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DOCUMENT

GMES Space Component Data Access Portfolio: Datasets supplied up to May 2011

Prepared by	**GSCDA Operations team**
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APPROVAL

Title GMES Space Component Data Access Portfolio	
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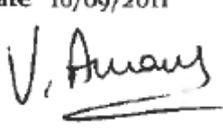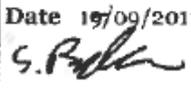
CHANGE LOG

Reason for change	Issue	Revision	Date
New datasets, grant extension, GSPs requests for improvements	1	1	09/03/2011
Update	1	1.1	08/04/2011
Update to include last received requirements	1	1.2	16/09/2011

CHANGE RECORD

Issue 1	Revision 1		
Reason for change	Date	Pages	Paragraph(s)
Improved description of the Web portal	09/03/2011	15	5.2
Description of product types and cloud coverage constraint	09/03/2011	20-21	5.4
Added rules for request of small updates to quota allocation	09/03/2011	21	5.6

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Description of extended user community	09/03/2011	23	6.1
Description of ordering forms	09/03/2011	24	6.3.1
Added section on quota management	09/03/2011	25	6.4
More detailed description of FTP access	09/03/2011	25-26	7
Added section on GCM specifics	09/03/2011	28-32	9
Added dataset definition template	09/03/2011	33-34	10.2
Datasets content: Extension of data offer until May 2011, Insertion of datasets for EMSA and Downstream Services	09/03/2011	35 onwards	10.4

Issue 1		Revision 1.1	
Reason for change	**Date**	**Pages**	**Paragraph(s)**
Update to e-GEOS characteristics	08/04/2011	29	9.2
Datasets content – update of allocated quotas where needed	08/04/2011	36-220	10.4

Issue 1		Revision 1.2	
Reason for change	**Date**	**Pages**	**Paragraph(s)**
Addition of DAP_MG2_37, DAP_MG2_38 and DAP_MG2b_49 plus updates to DAP_MG2_25 , DAP_MG2_04 and DAP_MG2b_28	16/09/2011	107, 120, 142, 143, 184, 205	10.4

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1   INTRODUCTION

Following ESA's Declaration on GMES Space Component Programme and EC's Communication to the Council and European Parliament on GMES, the European Space Agency is leading a federation of Earth observation missions named GMES Space Component which has the objective to ensure comprehensive and sustainable supply of data from space-based observations in response to the GMES service needs. The GMES Space Component will provide harmonised access to data from different sources, ensuring seamless access to different EO data coming from multiple missions including ESA, National and other third party missions.

The European Commission has identified a set of three *Fast-track* GMES core services (i.e. Land, Marine and Emergency) and two additional pilot services (Security and Atmospheric) for early operational implementation in 2008, funded under the FP7 programme. In 2009 and 2010, the first series of Downstream Services were selected and new users, as EMSA, EEA and National and Public Institutions were declared eligible to access EO data via the GSCDA system. All will evolve towards an operational scenario that will support Europe's goal in achieving sustainable development and global governance of the environment.

As part of the GMES Space Component, the Earth Observation Data Access Portfolio, hereafter indicated in the document as the DAP, describes the European coordinated approach for supplying Earth Observation data to the GMES service providers.

Figure 1: Data Access Portfolio

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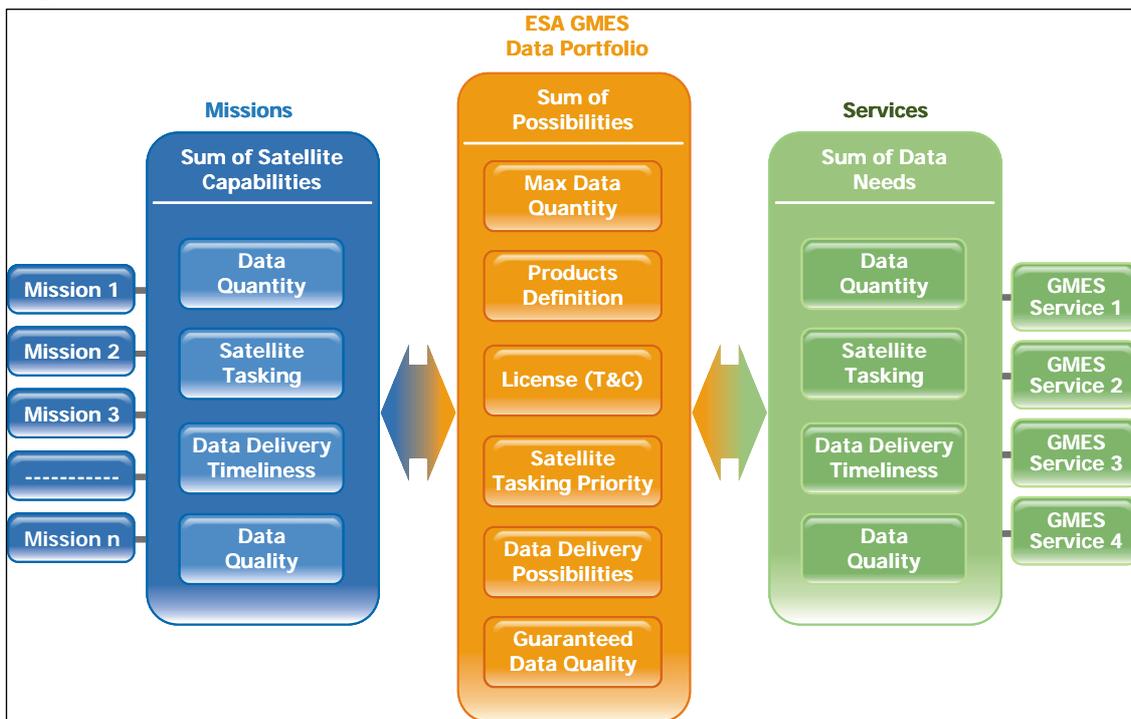
2   SCOPE

This document is a revision of the DAP v1.1.1.1 issued in April 2011 and documents the Data Access Portfolio for the period 2008 till May 2011, that is the datasets that have been defined and from which data has been made available to the GMES Services in response to their requirements documented in the DAP/R v1.3. It is based on agreements with the various GMES Contributing Missions (GCMs), revised as needed, to take into account new and updated requirements. The main updates concern the addition of new datasets to satisfy the latest requirements from the GSPs. It is important to underline that the data offer is tailored taking into account the missions' capabilities, technical and budgetary constraints and priorities set by, amongst others, the European Commission.

This document describes the datasets and the conditions (i.e. data licensing, ordering mechanisms, product types available, delivery timeliness, data access mechanisms) under which they are accessible under the assumption that the system implementation is completed. Work-around are implemented where needed in the meantime to ensure the best service possible to the end users.

The document is intended for all the GMES Services and entities eligible to access EO data via the GSCDA system.

3   DOCUMENTATION AND DISCLAIMER

3.1   REFERENCE DOCUMENTS

[RD - 1]   Restricted Invitation to Tender AO/2-1556/08/I-LG – GMES Space Component
[RD - 2]   ENTR-H3/PW-tb-D(2008) 6426 – Procedure for defining the eligible recipients to the GSC-DA Nr. 223001
[RD - 3]   Terms & Conditions for the Use of EO Data from the GSC-DA
[RD - 4]   GSC-DA System Operational Scenarios document [GMES-GSEG- EOPG-TN-08-0002; V1.5]
[RD - 5]   Top level ICD for GSPs [OSME-GSCDA-SEDA-IS-08-0017; V2.4]
[RD - 6]   DAP-R [GMES-PMAN-EOPG-RD-08-0002; V1.3]

3.2   ABBREVIATIONS

AOI   Area of Interest
ACP   Acquisition Coverage Plan
BRM   Background Regional Mission
CDS   Coordinated Data Access System
CDS-CI   CDS – Core Infrastructure
CDS-SCI   CDS – Services Coordinated Interface

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CET	Central European Time
CNES	Centre National d'Études Spatiales
Cum	Cumulative
DAM	Data Access Portfolio Management
DAP	Data Access Portfolio
DEM	Digital Elevation Model
DFAIT	Department of Foreign Affairs and International Trade (Canada)
DMC	Disaster Monitoring Constellation
DVD	Digital Versatile Disc
DWH	Data Warehouse
EEA	European Environment Agency
EC	European Commission
EO	Earth Observation
EOLI	Earthnet On-Line Interactive
EMSA	European Maritime Safety Agency
ERCS	Emergency Response Core Service
ESA	European Space Agency
EUSI	European Space Imaging
FP7	EC's Seventh Framework Programme
FTP	File Transfer Protocol
GAS	Global Atmospheric pilot Service
GCL	GMES Client
GCM	GMES Contributing Mission
GCME	GMES Contributing Mission Entity
GCP	Ground Control Point
Geoland-2	Land Monitoring Services
GEST	GMES Emergency Satellite Tasking
GMES	Global Monitoring for Environment and Security
GMOSAIC	GMES Pilot Service for Security
GSC	GMES Space Component
GSCDA	GMES Space Component Data Access
GSD	Ground Sample Distance
GSP	GMES Service Project
HR	High Resolution
HR1	High Resolution 1
HR2	High Resolution 2
IPR	Intellectual Property Rights
ITD	Infoterra
ITT	Invitation to Tender
JASON	Global Ocean Circulation Monitoring Satellite
JRC	Joint Research Centre
LLT	Long Lead Time tasking
LMCS	Land Monitoring Core Service
LR	Low Resolution
LUZ	Larger Urban Zones
KML	Keyhole Mark-up Language
KMZ	Keyhole Markup Language, Zipped
MACC	Monitoring Atmospheric Composition & Climate
MCS	Marine Core Service
MetOp	Meteorological Polar Orbiting Satellite

MLT	Medium Lead Time
MR	Medium Resolution
MSG	Meteosat Second Generation
MyOcean	Ocean Monitoring and Forecasting
N/A	Not Applicable
NASA	National Aeronautics and Space Administration
ND	Normal Delivery
NOAA	National Ocean and Atmospheric Administration
NRT	Near Real Time
OGDR	Operational Geophysical Data Record
OMI	Ozone Monitoring Instrument
Ortho	Orthorectified
Pan	Panchromatic
Pansharp	Pansharpened
Pol	Polarisation
PST	Pacific Standard Time
REDD	Reducing Emissions from Deforestation and forest Degradation
RMS	Root Mean Square
RSS	Really Simple Syndication
SAR	Synthetic Aperture Radar
SAFER	GMES Emergency Response Service
SEC	Security Pilot Service
SHP	Shape file
SLT	Short Lead Time
SPDM	Service Projects and Datasets Management
SPDRF	Service Project Data Request Form
SPERF	Service Project Emergency Request Form
SRTM	Shuttle Radar Topography Mission
SST	Sea Surface Temperature
UTC	Universal Time Coordinated
VHR	Very High Resolution
VHR1	Very High Resolution 1
VHR2	Very High Resolution 2
VITO	Vision on Technology
WGS84	World Geodetic System 1984

3.3 DISCLAIMER

The current document (DAP Issue 1.1.2) contains all datasets to be made available via the GMES Space Component from GMES Contributing Missions until the end of May 2011 (delivery up to 15th July 2011) and implemented under the GSC-DA Grant No.223001. As a baseline, requirements for datasets required beyond this time will be considered in the Data Warehouse (DWH) Implementation and documented in future DAP versions.

Data access will, as feasible, respect the parameters and conditions as specified in the DAP, but depends on the status of implementation of the respective dataset, GCM-interfaces and Coordinated Data Access System (CDS), technical feasibility and operations-team capacity. The Agency is not in any way liable for any damage being the result of data not being accessible or not respecting DAP specifications.

In case of GMES Contributing Mission failure or temporary unavailability, ESA will provide backup solutions or temporary replacements as soon as possible.
Up-to-date information and operational Mission news is available from http://gmesdata.esa.int

This DAP (Issue 1.1.2) describes the datasets as agreed with GMES Contributing Missions at the time of issuing the document. Minor quota revisions and status of all datasets is kept up-to-date on a monthly basis on the GSCDA Web portal.

The datasets described for all optical missions represent indicative values as contracted within the specific datasets, with an assumed target cloud level. Due to weather conditions these may result in products/datasets delivered with higher cloud levels. ESA will in such cases seek to compensate with back-up GMES Contributing Missions.

Quota expressed per dataset means by default products with the standard size of the GMES Contributing Missions. Exceptions are clearly marked.

Please note that GSPs claims on product quality are expected to reach the CDS-SCI within 2 weeks following data reception. Claims received after this timeframe will not be taken into account.

3.4   DOCUMENT OVERVIEW

The present document is divided into the following sections:

Section 1: *Introduction*, describing the purpose of the document and providing the necessary background information for the reader.

Section 2: Scope, defining the content of the document.

Section 3: Documentation and Disclaimer, describing the list of both Applicable & Reference documentation and the list of acronyms used within the document. The disclaimer gives information about the validity of the document.

Section 4: DAP evolution, presenting the process in place to generate and update the DAP.

Section 5: Data Access Overview, describing the GSCDA system and information on the datasets implementation and content.

Section 6: How to access GSCDA Services, presenting the conditions and process to become a GSCDA user and how to request data.

Section 7: How to access the GMES data, presenting the two methods in which data area made available.

Section 8: How to get help, presenting the interfaces of the GMES Services and where to obtain information.

Section 9: Lists GCMEs ordering characteristics and specifics, for GMES Services awareness

Section 10: EO datasets for GMES Services, presents the detailed content of each Dataset.

4 DAP EVOLUTION

The EO-DAP (called DAP in the document) evolves in time, e.g., in response to new or updated GMES Services requirements or because new GMES Contributing Missions become available. The EO-DAP evolution process is applicable to the generation of the EO-DAP main versions. This process is managed by the DAM (DAP Management function) and involves experts from inside and outside ESA. The process will be executed normally at defined intervals for new versions of the DAP. The EO-DAP elaboration process is made of three main steps:
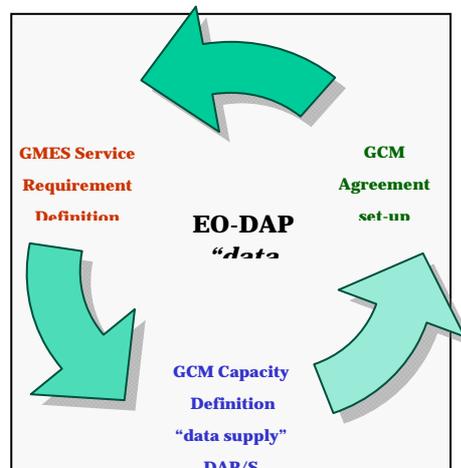
Figure 2: DAP elaboration process

1. <u>GMES Services Requirements Definition:</u> it identifies the EO data and performance requirement and establishes the "data demand" from GMES Services to the GMES Space Component. The output of this step is the EO-DAP Requirement Document (DAP/R) under the GSC-DA Grant or the Data Warehouse Requirements Document in the Delegation Agreement phase.

2. <u>GMES Contributing Missions (GCM) Capacity Definition</u>: it establishes the EO missions capabilities, namely the potential "data supply", based on a cost and mission capacity analyses. The output of this step is the EO-DAP Dataset Specifications (EO-DAP/S and EO-DAP/G) as requested from GMES Contributing Missions.

3. <u>GCM Agreement set-up and DAP generation</u>. It establishes the "data offer" towards the eligible GMES Services, namely what the GMES Services can access during the applicable period of the EO-DAP version. It is the result of a trade-off analysis performed between the GMES Services requirements, the mission capabilities and the available funding, with several rounds of negotiations performed with the relevant stakeholders. The outputs of this step are contractual agreements with the GMES Contribution Missions and the EO-DAP document release, applicable for the next qualified period.

Amongst others, the data offer may be updated as a result of the following changes:
1. New GMES Services or accepted new EO data requirements from existing GMES Services (new requirements have to be submitted by the GSP Coordinator)

2. New GMES Contributing Missions or modified Mission composition group
3. New data products from existing GMES Contributing Missions
4. New ways of making data accessible through new operations in space and ground segment.

For smaller changes to the data offer, the relevant GSP will be notified of the change that will also be published in the GSCDA Web Portal. Examples are:

- new eligible services such as EMSA, European and national Public Institutions for access to certain datasets
- shift of quota between datasets
- outages of missions

The DAP version 1.1.2 is the last planned main revision of the DAP before the issue of DAP version 2.0 that will document the data offer made available under the Data Warehouse Implementation.

5   DATA ACCESS OVERVIEW

5.1   GMES SPACE COMPONENT DATA ACCESS SYSTEM

The GMES Space Component Data Access System (GSCDA) pre-operational infrastructure is being put in place by ESA in order to cover data provision for GMES Services for the period before the GMES Sentinels are launched. However, it is designed to ensure the successive operational phase beyond 2012.

The GSCDA infrastructure relies on the ground segments of various GMES Contributing Missions (GCMs) plus a set of coordinating functions in charge of ensuring internal coordination and control guaranteeing the GSP with a harmonized access to GSC data. The GSCDA is made of different components; the high level decomposition is depicted in the figure below.
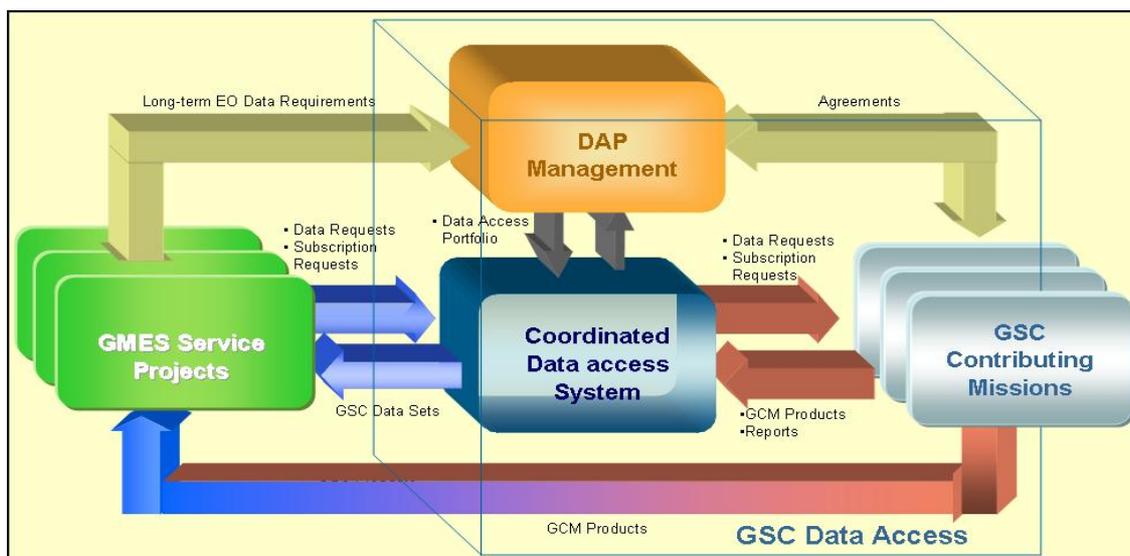
Figure 3. GSCDA high level decomposition

The main two elements are:

- **The *DAP Management function* (DAM)** that is in charge of capturing and managing the EO data requirements from the GMES Services, in charge of procuring the necessary data and services through contracts with the selected GCMs and supporting the daily operations of the CDS through the Account Managers. The DAM manages the DAP baseline (i.e. this document) and is in charge of issuing the GSCDA Terms & Conditions that regulate the handling and distribution of GSCDA data.

- **The *Coordinated Data access System* (CDS)** is the centre of the operational system. It is in charge of coordinating the overall data flows between the GCMs and the GMES Services, through the implementation of predefined datasets and the processing of asynchronous data requests based on mission capacity analysis and on the established agreements. The CDS ensures a harmonized user interface for the GMES Services. It also supports the production and dissemination of multi-mission collections, and ensures a dedicated storage for GSC long-term data preservation. Finally, it monitors the operations for ensuring that the expected system performances are met.

The GMES Services interface the DAM, via the Account Managers, for all matters related to new or deviating requirements and with the CDS-SCI for all matters related to operational access to data.

5.2 WEB PORTAL

The GSCDA web portal (http://gmesdata.esa.int) is a public portal and the focal point for the GMES Services where to find information about data availability and accessibility. In particular, one finds on the menu bars:

- **Information about the GCMEs**

  Browsing the information of the GMES Contributing Missions can be done by selecting the image of the mission of interest from the main page, or by selecting the GCM organisation name via the side navigation panel on the right-hand side of the page or from the moving satellite icons. Users are directed to the GCM specific web site.

- **About GSC Data Access**

  A summary of the data access implementation is provided, as well as information regarding the registration process and the way to order the data.

- **Information about how to access GSCDA data**

  The "How to Access" tab on the navigation panel describes the ways in which GSCDA data are disseminated to the user; these include online via terrestrial network as well as DVD and Hard Disk media delivery options.
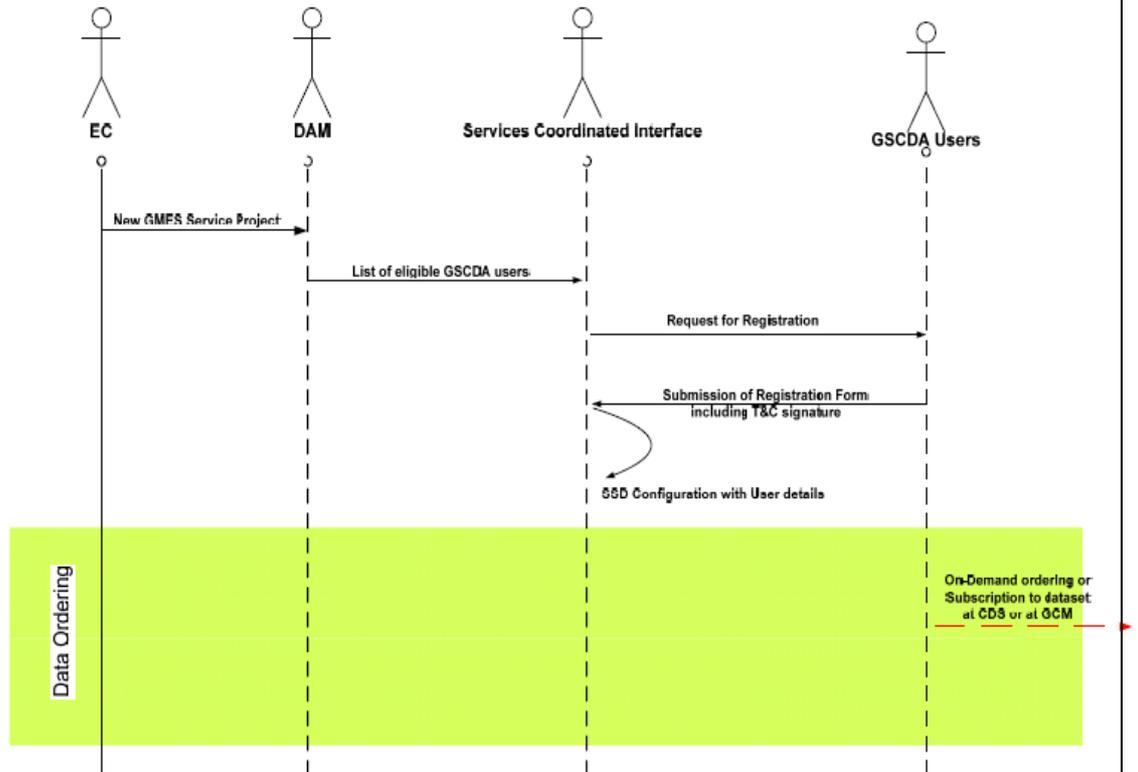
Figure 4: Snapshot on how to order/access data available on the GSCDA web portal

Detailed instructions on how to use the data access links available within each dataset description page are available within the "how to access" section.

▪ **Browse Data**

This section is dedicated to the browsing of the datasets based on one or several parameters including GMES Service, Mission Group, Mission, Instrument and Dataset ID; the same functionality is available directly from the home page.

From this menu, one can access each dataset detailed description, and the documentation related to the dataset (about contributing missions/ instruments, product formats, and the GMES Service owner of the dataset). Minor changes to the DAP will be reflected here until a new version of the document is issued. The implemented data access is described in the "full description" page, under "current status". Links to access the data are available under the picture for systematic data flows directly from the GCMs (systematic NRT data deliveries for example); instructions on how to use these links are available under "How to access data" above.
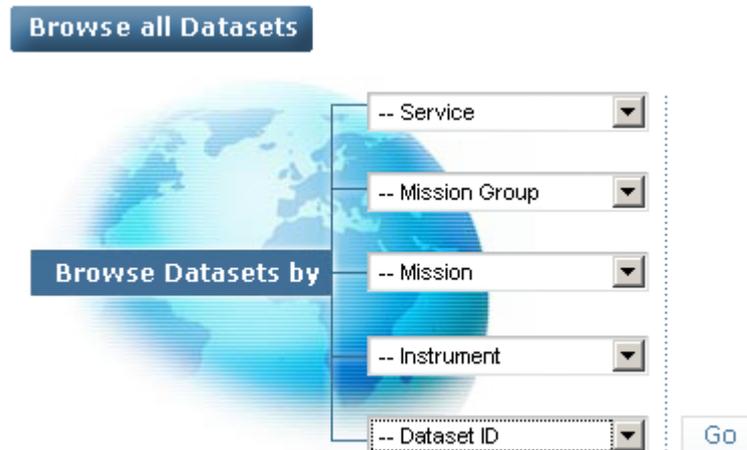
Figure 5: Interface for datasets browsing on GSCDA web portal

- **Data Access Portfolio**

  The applicable version of the [Data Access Portfolio](#) can be downloaded from this page.

- **Derby Software Tool**

  The data browser can be downloaded and used by GMES Services to explore the EO products from the GMES Contributing Missions.

- **News**

  From the home page or from this section, the operational and project related news are available. They include information about GCMs and GSCDA infrastructure. GMES Services should refer to the news when a systematic data flow is interrupted as GCMs downtimes would be herein reported.

  RSS feeds allow users to automatically receive updates.

- **Terms and Conditions and Frequently Asked Questions**

  The applicable version of the Terms and Conditions is available from this section. However, this is not the document that shall be signed by new users as a dedicated version, including the Company name, needs to be generated at GMES Service registration and will be provided to the user by the Services Coordinated Interface.

  A list of Frequently Asked Questions is also available to help answer common queries.

- **Links to GMES Service Projects web sites**

  Links to the websites of the respective GMES Services can be followed by clicking on "More>>" under each of the project descriptions.

- **Mission Groups 1-5 and Sentinels information**

  The concept of the Mission Groups and individual information on each, including details of sensor modes, imaging resolution, purpose and objectives is described under the "GSC Mission Groups" tab; where an overview or a specific mission can be selected, including information about the future Sentinels.

- **GSCDA data provision status**

The status of all datasets defined in the DAP is updated on a monthly basis and can be viewed in different files depending on the originator of the requirement. The following statuses are defined, at sub-dataset (i.e. mission) level:

- Potential: Defined but implementation did not start yet
- Implemented: some data is available within the sub-dataset
- Under Implementation: order has been submitted to the GCM but no data is available yet
- Closed: all expected data have been delivered

The single documents reporting datasets status per GSP include information about data delivered, quota use and expected delivery schedules when applicable.

DAP_MG1_16: Volcanoes Europe/RoW   HR/VHR SAR

Mission	Instrument mode	Resolution	Initial Quota	Remaining quota	Product type	New /Archive	Timeliness
Radarsat	SAR/Fine single pol	9 m	12	9	NTC	New	Rush, NRT
Radarsat	SAR/Fine single pol	9 m	12	11	NTC	New	Rush , ND
TerraSAR-X	TSX-SAR/HS Spotlight single/dual pol	1,2,4 m	12	5	NTC	New	Rush, NRT
TerraSAR-X	TSX-SAR/HS Spotlight single/dual pol	1,2,4 m	12	12	NTC	New	NT, ND

Dataset Status: on-going

Additional Information:

> Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCMEs

Status on 15th December 2010: number of delivered scenes

Mission/Instrument Mode	# of products	Archive/New
TSX-SAR /Spotlight	7	Archive
Radarsat RUSH/NRT	3	New
Radarsat LP, NRT	1	New

Figure 6: Example of dataset status uploaded on GSCDA web portal

5.3   SATELLITE TASKING, DATA PROCESSING AND DELIVERY

The DAP considers the following modes of satellite tasking:

▪ **_Background Regional Mission_**: GCMs attempt to cover with new acquisitions areas of potential interest defined by GMES users, ensuring speculative archive filling. These data are not processed systematically but only when requested within another Dataset, and involving retrieval of data from the archive. The possibility to provide inputs for a BRM planning is restricted to the Emergency and Security Services.

- **_Predefined_**: when satellite acquisitions are programmed well in advance by the Mission owner with known revisit frequency and coverage. Predefined are typical from missions with regular acquisitions that fulfil EO data requirements for services that provide regular products to user communities: Marine and Atmospheric services are two examples. Predefined planning is often associated to systematic processing and delivery of the corresponding EO products. However, it also contributes to the building of a reference archive that may be used by all GMES Services, for example for emergency rapid mapping.

- **_On-demand:_** when satellite acquisitions are programmed by the mission owner based on received orders; depending on the lead time foreseen for each dataset, the contributing mission will implement:

  o _Emergency tasking:_ only for emergency requests; goal is to provide an acquisition within 24 hours from request acknowledgement.

  o _Rush tasking:_ for crisis monitoring and event driven requests, satellite acquisitions is attempted within 2 days.

  o _Crisis monitoring:_ also in the frame of emergency activations, this scenario foresees repetitive acquisitions at a predefined frequency that usually follow the initial emergency tasking and start not before 24 hours after the crisis event.

  o _Normal tasking:_ for non-rush new acquisitions request, planning can be scheduled within a few days to a few months. Three classes of normal tasking lead time are defined that will be used in the dataset definition tables:

    - Long lead time (LLT) when tasking is scheduled 2 months in advance

    - Medium lead time (MLT) when tasking is scheduled between 2 months and 2 weeks in advance

    - Short lead time (SLT) when tasking is scheduled between 2 weeks and 2 days in advance. This is restricted to exceptional cases.

Category of satellite tasking allowed for each mission within a dataset is indicated in the "timeliness" column in the datasets description section.

Similar rules apply for data processing and delivery by the Contributing Missions. Depending on the dissemination timeliness requirement, and on their feasibility, datasets may be made available to users with different delays. In this version, the DAP foresees for new acquisitions:

- _Near Real Time (5 min, 15 min, 30 min, 1hour):_ when products are made available as soon as possible with a target time of less than three hours from sensing. This category is available in the frame of emergency activations and is associated to _emergency and rush_ tasking requests.
- _Near Real Time 3 hours (NRT3h):_ when products are made available in a systematic way, as soon as possible and with a target time of three hours from sensing, typically for meteorological products. This category is generally associated to _Predefined_ tasking requests.

- *Fast24h, Fast48h* when products are made available with target time of 24 hours or 48, respectively. This category may also include data systematically consolidated with definitive auxiliary data or requiring post-processing (orthorectification for example). It also applies to the crisis-monitoring scenario.
- *Normal (ND)*: products are made available a few days after sensing (between 2 and 7 days).
- *Cumulative (Cum)*: typically fulfilling land requirements, products are made available at coverage completion over extended areas or in batches at regular interval.

For archived data, the following delivery times are possible:
- *Rush3h*: data are made available within 1.5-3h hours from request. This category is available only in the frame of emergency activations.
- *Arch24h, Arch48h*: when archived products are made available with target time of 24 hours or 48, respectively.
- *Arch Normal:* data are made available within 7 days from data request.

Data access is defined on a dataset level in the "delivery mechanism" field provided within the dataset description in section 10. There are three possibilities:
- *FTP@GCM:* dissemination on-line, directly by the GCM, when there is a stringent timeliness requirement associated to the data request (e.g. sea-ice monitoring and emergency activations).
- *FTP@CDS:* dissemination on-line from CDS-CI in all other cases and in particular for coverage deliveries associated to a cumulative delivery process.
- *Media:* in rare occasions, when delivery of large volumes of data is foreseen at once.

More information on data access is available in section 7.

Acquisition strategy and dissemination mechanism are characteristics of the Operational Scenarios implemented by the GSCDA. The latter are described in [RD - 4].

5.4 DATA REQUIREMENTS

5.4.1 Processing options

The type of product offered for each mission within a dataset is identified in the "Product" column of the datasets description in section 10. It is based on the list of products generated by the GMES Contributing Missions. Specificities at GCME level are specified in section 9. The following options are used:
- for radar datasets
  - not ortho (i.e. all product types offered by a GCM, excluding orthorectification)
  - ortho (i.e. orthorectified)
- for optical datasets
  - not ortho or ortho
  - pansharpened
  - bundle

o 4 or 5 bands and product size (Rapideye)
o stereo
- for systematic MR and LR missions
o Processing level: L0, L1, etc or specific mission product type

5.4.2 Cloud coverage

Based on the requirements of the GMES Services, wherever feasible, the following criteria are applied:
▪ Cloud5   Cloud coverage <= 5%
▪ Cloud10   Cloud coverage <= 10%
▪ Cloud20   Cloud coverage <= 20%

5.5 DATASETS AND PRODUCT QUALITY

The quality of a Dataset depends primarily on the quality and characteristics of the delivered products; this remains a responsibility of the GCM who is in charge of implementing the product quality control assessment routines and required calibration and validation activities. GSCDA is however in charge of ensuring traceability of the quality information for all delivered GCMs data products. The CDS monitors and assesses the overall datasets quality control (e.g. in terms of completeness) and monitors that the GCMs reported products quality does not degrade below the agreed performances (e.g. in case of instrument degradation).

The GSCDA evaluates the quality of the overall datasets on the basis of the quality reports received from the GCMs datasets. Available information about quality of products is traced in products' metadata and it is reported in quality reports. In case of problems with the product quality the GSPs shall contact the CDS Services Coordinated Interface (CDS-SCI) within 2 weeks following data reception. If the anomaly is confirmed, the product will be considered rejected and will be replaced.

5.6 DATASETS AND QUOTA ALLOCATION

The DAP considers the following two types of datasets:

▪ Predefined: that satisfies requests well known in advance. Requests may be for single or multiple coverages. The GSCDA system translates these requirements into appropriate requests for acquisitions and dispatches them to the various contributing missions identified in the datasets description tables (section 10). Predefined datasets are typically originating from the Land and Marine Core Services.

▪ On-demand: when requirements are not fully known in advance and will be communicated shortly before the real need. On-demand datasets are typically related to emergency and security services which require fresh data over critical areas data for the generation of new maps. But on-demand data refers also to datasets which have not been well defined in the

current baseline (e.g. areas of interest, time window of interest), although some information has been given (e.g. definition of a need, type of resolution). To a lesser extent, some of the on-demand datasets may be used to account for newly arising requirements or to support newly arising opportunities to validate services. These datasets can be activated according to the predefined lead times.

It is expected that the volume of on-demand datasets does not exceed 30% of the total DAP data volume, because the generation and procurement of on-demand dataset has the highest impact on the ground segment operations in terms of cost and workload.

For each on-demand dataset, a quota of products is assigned per Contributing Mission during the DAP definition process, as a result of a trade-off between Service requirements (volumes, priorities), GCMs offer and available funds. Based on those 3 factors and through a formal feedback loop with GSPs and the European Commission, the final quota per dataset and GCM is assigned. This quota is documented in the DAP, and it describes not only data volumes (i.e. number of products), but also other features such as timeliness, processing levels etc.

In case a GMES Service requires an update to the assigned quota once the DAP has been issued, the following rules apply:

1. The GMES Service representative (technical contact point) shall contact the Account Manager (see section 8) to define and justify the new requirement.
2. The Account Manager will analyse the request and, in case of major deviation, request the GCMs Contract Manager, if feasible, to negotiate with the GCM a shift of quota between datasets (in agreement with the GMES Service) or if possible, an extension of the original agreement.
3. In case of a small deviation to an existing dataset or quota exhaustion, the GMES Service technical contact point shall send the order to the CDS-SCI that will cater for the authorisation of the deviation from the Account Manager. These cases are normally covered by a so-called RESERVE installed with each Contributing Mission, to account for unforeseen or changed requirements. This RESERVE allocation is usually small and subject to approval by the DAM.
4. The changes become more difficult to implement towards the end of a phase, i.e quota are to be considered close to unalterable for the remaining months of data provision under the GSCDA Grant.

In case such alterations/deviations from DAP datasets occur, they will not be immediately reflected in a new DAP version, but followed by the respective Account Manager and documented on the GSCDA Web portal. Only major deviations will result in a DAP revision.

6 HOW TO ACCESS GSCDA SERVICES

6.1 GSCDA USER COMMUNITY

The list of GMES Services eligible for accessing data via the GSCDA is identified by the European Commission (EC) according to the GMES eligibility criteria [RD - 2]; they are today:

- the FP7-funded pre-operational GMES Fast Track Service Projects
    - **GEOLAND-2** for the Land Monitoring Core Service (LMCS)
    - **MYOCEAN** for the Marine Core Service (MCS)
    - **SAFER** for the Emergency Response Core Service (ERCS)

- the two Pilot Service Projects
    - **GMOSAIC** for the Security Pilot Service (SEC)
    - **MACC** for the Global Atmospheric Pilot Service (GAS)

The above GMES Services are entitled to access any data made available to any other user, except those delivered within GMOSAIC restraint datasets (DAP_MG1_20, DAP_MG2b_16) and some GMOSAIC emergency activations.

- The Urban Atlas Project, represented by SIRS (access to DAP_MG2b_01 only)

- European and National Public Institutions, entitled to get access only to the IMAGE2009 dataset (DAP_MG2-3_01) for non-commercial use

- EMSA (European Maritime Safety Agency), in particular for the purpose of CleanSeaNET, having dedicated datasets. For these datasets, no detailed quota but a fixed budget has been allocated per GCM. Depending on the cost of the delivered data, the number of available products may therefore vary.

- The EC-FP7 Space calls 2 and 3 Downstream Services. Data access privileges for these new GMES Services have been negotiated with the GCMs according to requirements and within the available budget.

6.2 REGISTRATION AND SIGNATURE OF TERMS AND CONDITIONS

Before any access to data other than ESA GCME can be granted, GMES Services are required to register with the GSCDA Services Coordinated Interface (CDS-SCI). Registration allows identification of the person/company who has access to the GSCDA data and services and includes signature of a License (Terms and Conditions) for the use of GSCDA data.

The Coordinator of each GSP (i.e. consortium) is responsible for the provision and the maintenance of the list of its members and a point of contact for each company or institution. Any change shall be notified to the DAP Management via the Account Manager.

Once the list of members is consolidated, the CDS-SCI will initiate the registration process and request from each user the following information:

- coordinates, including full mail address
- e-mail address
- company/institution
- telephone number

The same information above (as a single entry) is to be provided by companies (e.g. European or National Public Institutions) directly to the SCI for access to GSCDA data and services.

GSCDA EO products are protected by GSCDA licensing. Users are requested to handle them according to the Terms & Conditions -[RD - 3] agreed with the GCMs and with the GMES Service Projects.[1] The last version of the document can be found on the GSCDA Web portal (http://gmesdata.esa.int); it includes the constraints from each GCM regarding access to their data. Users are however requested to sign the relevant version including their Consortium that is provided by the CDS-SCI.

License signature shall be performed by the legal representative of each company/ institution unless the Coordinator is given the mandate to sign on behalf of the whole consortium. In this case, (s)he is legally responsible for the use of the data within the whole team.

Upon registration, once the interface is available, the user will receive a personal account to be used for:

- Logging in at the GSCDA portal (http://gmesdata.esa.int) and accessing available GSCDA information relevant to his own GMES Service
- Accessing Help Desk functionalities

The list of GSP members is provided to the GCMs for their own records.

6.3 HOW TO REQUEST DATA

6.3.1 Order submission

While the predefined datasets are implemented proactively by the CDS-SCI and access is automatically provided to the originator of the requirement, the on-demand datasets are only activated based on user requests (orders) for new or archived received at CDS-SCI, with pre-defined lead times (i.e. requests cannot be processed before a given time interval) and data access is automatically provided to the originator of the order.

The following order forms shall be used to order data:

- the SPDRF, Service Project Data Request Form for nominal – non emergency- datasets. These orders are handled by the CDS-SCI team.

- the SPERF, Service Project Emergency Request Form, for emergency activations.

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[1] EUMETSAT supplied products require the signature of an additional Terms and Conditions document with EUMETSAT

Only authorised users (SAFER, GMOSAIC and EMSA) are entitled to submit emergency requests for rush delivery of new or archived data covering a disaster area, including one-off or repetitive (crisis monitoring) rush satellite tasking, processing and NRT dissemination. Emergency requests are managed through dedicated procedures executed by the GMES Emergency Satellite Tasking (GEST) team.

Ordering interface will be available in SPDM (Service Projects and Dataset Management) tool once CDS V2 is transferred to operations. Orders can be sent via e-mail in the meantime.

6.3.2 Subscription request

Once EO data are available within a dataset, depending on the eligibility criteria described in section 6.1 above, other Service Projects having signed the License may be eligible to access the same data. Available data are advertised on the GSCDA Web Portal (http://gmesdata.esa.int/). The mechanism to access existing data is to subscribe to the dataset; the request is processed by the CDS-SCI and dispatched to the relevant GCMs.

Requests for subscription shall be submitted by a designated GSP Technical Contact Point to the CDS-SCI team, via e-mail until CDS V2 implementation, using the SPDM tool from then on.

6.4 QUOTA MANAGEMENT

For all on-demand datasets, the CDS-SCI monitors the usage of allocated quota based on the GCMs deliveries. Starting with CDS V2, the quota monitoring tool will also handle presumed usage of quotas, performing an estimation of quota consumption at the time of issuing the order to the GCM.
Orders that exceed the allocated quota are rejected by the CDS-SCI and shall be submitted to the Account Manager for feasibility analysis.

7 HOW TO ACCESS THE GMES DATA

The sections below describe the access points and data access mechanism defined within the Coordinated Data Segment (CDS) for all data delivered from GCMs contracted by ESA.
Exceptions are METOP, MSG and NOAA data that shall be requested directly from Eumetsat, OMI via NASA and JASON from CNES. Links to these two data providers are available at http://gmesdata.esa.int.

7.1 ONLINE – FTP AT GCM OR AT CDS

A large majority of the EO data products procured from the GCMs are available on-line. This data is disseminated to the GSPs:
- directly by the GCMs (FTP@GCM), when stringent time delivery requirement applies (e.g. rapid mapping or sea ice monitoring purposes)

The FTP access can be initiated
- from the GSCDA web Portal (http://gmesdata.esa.int) using the links available within the dataset full description page for all systematic access at GCM (for example, see ice monitoring datasets and systematic global missions datasets).

- via the CDS Coordinated Infrastructure (FTP@CDS) for non-NRT deliveries or when cumulative datasets are built by the CDS as the result of the contribution from several EO missions (e.g. carpet mapping of Europe).

The applicable delivery mechanism is reported for each dataset in section 10. Delivery mechanism as a function of operational scenario is defined in [RD - 4]. In all cases, data pick-up (FTP pull) is expected from the GSPs.

Duplicated delivery (FTP@GCM and FTP@CDS) is only available for data delivered within emergency datasets; in this case, a specific repository called Emergency Basket is generated and dedicated fixed accounts (both at GCM and CDS) are provided to the authorised users.

Access details are predefined in both cases, i.e. GCM or CDS server and user accounts are known to the GSPs, except in rare occasions when GCME cannot implement a single delivery access point (for example ESA emergency deliveries). Data access accounts are GSP and GCM specific and are provided by the CDS-SCI to the technical contact points at ordering start-up.

Data products are organized in a directory structure following the dataset/sub-dataset definition. More information on format and organization is available in [RD - 5].

7.2 GMES CLIENT (GCL)

The tool allows browsing the same EO products stored in the CDS Core Infrastructure (available via FTP@CDS) provided they have been circulated with the appropriate reports (or reprocessed by the CDS) and catalogued. The data are organized by dataset and by mission. Selected products can be downloaded provided the GMES user is authorised to access the dataset (either as the originator of the requirement or via subscription).

User account is Company specific and is provided on-request by the CDS-SCI.

More information is available in [RD - 5] and in the GCL user manual downloadable at http://earth.esa.int/EOLi/EOLi.html.

7.3 MEDIA DELIVERY

In exceptional cases when large volumes of data need to be delivered at once, data distribution on DVDs or a Hard Disk may be requested to the CDS-SCI.

8 HOW TO GET HELP

8.1 SERVICES COORDINATED INTERFACE

The CDS-SCI is the contact point for the GMES Services for any issue or enquiry related to data access and data use. The CDS-SCI can be reached at gmesdata@eo.esa.int during working days:
- Monday to Thursday from 8:30 to 17:15 (CET)

- Friday from 8:30 to 16:00 (CET)

The CDS-SCI can also be reached by:
- phone: +44 1252 362136
- fax: +44 1252 375016

The CDS-SCI gives support to the GSPs users, providing the following Help and Order Desk functionalities:
- handling of enquiries, complaints and requests for investigations on products and services
- orders handling
- notification of data availability
- coordination of web advertisement

ESA through the CDS-SCI is the only contact point towards GCMs for any matters regarding GSCDA operations, including orders, rejections, feedback, questions etc. GSPs should address any issues to the CDS-SCI, who manages the dispatching of relevant information to GCMs and provides feedback to GSPs.
GSPs are free to contact GCMs directly. In such cases ESA considers any agreement on data orders, acquisition requests or delivery and eventual resulting commitments and payment requests to be the sole responsibility of the GSP entity concerned, and outside the scope of GSCDA. It will thus not be taken into account under ESA's responsibility nor will it be financially covered under GSCDA.

8.2 ACCOUNT MANAGER

The Account Managers are part of the DAM function and participate to the whole process, from the GMES Services requirements consolidation to the implementation of the data offer.

They are the dedicated interface to the GSP (instead of the CDS-SCI) for:
- Regular review of the suitability of the defined and generated DAP Datasets, e.g. clarification of requirements and analysis of alternatives.
- Approval of the deviations from the DAP, after analysis of impact and identification of technical/financial solution.
- Authorisation of data ordering in case of quota exhaustion.
- Collection of Customer feedback and suggestions for improvement. This activity is organized twice a year with each Service Project, via a questionnaire addressed prior to a progress meeting in which the service is reviewed.
- Escalation of issues.

9   MISSION ORDERING CHARACTERISCTICS AND SPECIFICS

This section outlines general and specific GCME characteristics, specifics and constraints in the context of requesting on-demand orders.

- **GCMEs service hours**: The following table shows the GCME's Customer Service working hours and the emergency service coverage.

GCME	Customer Service hours		Emergency support
	Days	**Time**	
DMC	Monday to	08:00-16:30	08:00-16:30/5 days

	Friday		
e-GEOS	Monday to Friday	09:00-18:00	24h/7days since 01/11/2010
ESA	Monday to Friday	8:30-17:00	6:30-18:30/7days
EUROMAP	Monday to Friday	09:00-17:30	08:00-16:30/5 days
EUSI	Monday to Friday	08:00-17:00	08:00-18:00/5 days
IMAGESAT	Sunday to Thursday	Apr– Sep: 04:00-17:00 UTC Oct -Mar: 05:00-18:00 UTC	Apr - Sep: 04:00-17:00 UTC/5 days Oct –Mar: 05:00-18:00 UTC/5 days
INFOTERRA	Monday to Friday	05:30-18:00	24h/7 since 15/02/2011
MDA	Monday to Friday	08:00-04:30 PST	24h/7days
RAPIDEYE	Monday to Friday	08:00-16:00	8:00-20:00/7days
SPOT IMAGE	Monday to Friday	08:00-18:00	24h/7 days started on 01/04/2011 for SPOT satellites only
VITO	Monday to Friday	09:00-16:00	N/A

Table 1: GCMEs service hours (local times unless specified)

- ▪ **Specification of Area of Interest (AOI) and provision of shape files:**

AOIs are specified within DAP orders by the provision of shape files. Depending on the GCM, the Shape files have to be provided in different format (e.g. KML or KMZ) or projection type (e.g. in SHP):

- • EUSI: ESRI shapefile projected as geographic/WGS84
- • Infoterra: shapefile projected as geographic/WGS84, .kml file
- • MDA: SHP file (Lat/Long, WGS84, one polygon per file), KML file, or ACP file (as per MyOcean requests)
- • E-Geos: SHP file and KML file

- ▪ **Quality Accuracy aspects:**

Accuracy aspects of geo orthorectified products vary by GCMEs (e.g. number of Ground Control Point (GCP) used).

In the following sections, GCME characteristics are listed, i.e. when relevant, specificities about ordering aspects are outlined.

9.1 DMC

- ▪ The Disaster Monitoring Constellation (DMC) is capable of multispectral imaging of any part of the world every day. The constellation consists of satellites of the first and second generation. While the first generation produces imagery with 32m spatial resolution, the second generation offers products with a spatial resolution of 22m. Thus datasets resulting

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from the DMC constellation (including Deimos-1 being part of the second generation) such as DAP_MG2_25 can hold various resolution products.
- Orthorectified product is generated using manually collected GCPs from Landsat ETM+ data and SRTM DEM V3* data
- An acquisition can be scheduled latest at 3pm to be acquired the next day

9.2 E-GEOS

The following ordering and delivery-constraints are to be noted:
- VHR1 (GeoEye-1, Ikonos, Quickbird, WorldView-1, WorldView-2) or VHR2 (GeoEye-1, Ikonos, Quickbird, WorldView-2) will be chosen by the GCME in order to best fit the order
- Delivery within 3 hours is proposed for new optical acquisitions only if AOI is within the e-GEOS imaging territory
- Delivery of archived data may take up to 6 hours if the data are archived in the United States
- Within optical emergency activations,
    o the GEST operator may order a Worldview 1 or 2 acquisition within a time window but cannot specify a single shot
    o Single shot must be ordered one day in advance for GeoEye-1, Ikonos and Quickbird, and before 9:00am (CET)
- Within radar emergency activations (COSMO-SkyMed),
    o Orders have to be confirmed before 4:30 PM (UTC) for an acquisition in the next 24 hours collection window (which is starting every morning at 6:21 UTC)
    o A minimum 24-hr acquisition window needs to be specified (single shot orders are highly discouraged, it is recommended instead to take advantage of the redundancy of the 4-satellites constellation)
    o The AOI shall be limited to:
        ▪ Spotlight acquisition mode: maximum 2 Km radius
        ▪ StripMap HIMAGE acquisition mode: maximum 10 Km radius or 20x20 Km
        ▪ StripMap PING PONG acquisition mode: max 7 Km radius or 15x15 Km
        ▪ ScanSAR WIDE acquisition mode: max 40x40 Km
        ▪ ScanSAR HUGE acquisition mode: max 80x80 Km

- The minimum size of an AOI for any order in general is 100km2 for monoscopic orders, with the exception of the L1A product order size for Worldview 1/2 and Quickbird where the AOI minimum size is 272 km2
- The minimum order size for stereo products is 100 km2
- Delivered product sizes may exceed 5GB
- Optical Limitations:
    o List of denied users and countries with embargo
    o GeoEye-1: Images must be resampled to max 50cm/2m GSD
    o Imaging over Israel shall be subsampled to 2m GSD
    o Quickbird-2: Images shall be resampled to max 60cm/2.4m GSD
    o WorldView-1/-2: Images shall be resampled to max 50cm/2m GSD

9.3 ESA

ESA as a GMES Contributing Mission is offering data from its own missions ERS, ENVISAT and GOCE but also from the Third Party Missions Landsat, MODIS, SeaWifs, ALOS, PROBA and GOSAT. No ordering specificity is reported for ESA missions.

9.4   EUROMAP

Euromap has direct access to the fleet of Indian Remote Sensing Satellites. The standard products range from 2.5 m black & white in flight stereo, over 2.5 m and 5 m colour, to 23 m and 60 m multispectral data sets. Euromap provides data primarily within the Neustrelitz station cone covering Europe and Northern Africa.

Quality issues:

- IRS-1C/1D LISS-III SWIR band suffers from high number of failed detector elements

- IRS-1D LISS-III GREEN band is no longer available since May 27th 2003.

9.5   EUSI

- European Space Imaging (EUSI) only supplies IKONOS archived data acquired before January 2009 acquired over its own ground station
- Since Q4/2010, it also offers WorldView data within emergency activations; however, the WorldView mission has not been included in the EUSI interfaces to CDS development and therefore the products cannot be catalogued in the CDS-CI.

9.6   IMAGESAT

- Within emergency activations, ftp@GCM delivery is limited to SAFER (V1 interfaces development limitation)
- Within emergency activations, programming orders received by 05:00 UTC will result in an acquisition between 24 to 48 hours later depending on the location of the AOI

9.7   INFOTERRA

For the duration of the tandem flight between TerraSar-X and Tandem-X, each satellite dedicates 50% of its capacity for the Tandem-mission to create the Digital Elevation Model. The remaining satellite capacity is planned by the Mission Planning system, without user choice for one or the other physical satellite. Products however are identical.

- In order to download the products from Infoterra ftp server (emergency scenario), users need to use one specific software, ASPERA or a specific version of FileZilla (Version 2.2.32) with specific firewall settings

- EO data orders are checked against the requirements of the German Data Security Law; in case of restrictions, a delay in data delivery or restriction of data access may apply, in particular when:
    1. Area of Interest is located in the "Black list" and Geo-Resolution is less than or equal to 2.5m.
    2. Requestor is not in "Recipient's Positive list" and Geo-Resolution is less or equal to 1.2m or phase information

- SSC processing requires the use of the science orbit; this results in a delivery time of 5 – 7 day

9.8 MDA

- Radarsat-1 mission has not been included in the MDA to CDS interfaces development and therefore the R-1 delivered data are not catalogued at CDS-CI

- Access to Radarsat data is subject to Canadian Department of Foreign Affairs (DFAIT) security check and generation of a Customer Access Profile defining the constraints (geographical area, minimum delay in data delivery) related to data access for each organisation

9.9 RAPIDEYE

- Delivery of archive data will exceed 3 hours if data is more than 6 months old
- Two planning sessions are performed daily, at 5 UTC and 15 UTC
- SRTM DEMs used and GCPs from Landsat Geocover mosaic or better source; each tile produced independently from the others in the same image take
- Tasking unit is a tile, however image take is minimum 120*77 km (i.e. 15 tiles)
- RapidEye L3 products (Orthorectified) are composed of 25x25 km tiles with overlap
- From February 2011 onward, products will present black pixels in areas outside the requested AOI.

9.10 SPOT IMAGE

- Spot Image does not supply all 38 European National member States projections. In cases where national projections are not available in the orthorectification systems of Spot Image, UTM/WGS84 is used as default.
- The Spot satellite series offers a different set of services than the Formosat-2 and Kompsat-2 satellites (e.g. GEST performance).
- Within emergency activations, the principle of 3 attempts is applied; when the first valid (acceptable with respect to clouds) acquisition is confirmed, processing is performed and tasking stops. In case all 3 acquisitions are cloudy, a single rush tasking is charged. This allows reducing the reprogramming delay in case of cloudy acquisitions
- Coverages are delivered within two weeks after closure of the acquisition window (1 month for northern countries)

9.11 VITO

The GCM contributes with systematic delivery of VGT data within predefined datasets; no ordering is performed towards VITO.

10 EO DATASETS FOR GMES SERVICES

10.1 THE GMES SPACE BORNE CAPACITY

GMES Services Projects will access Earth Observation data acquired from a number of several different missions and instruments, made available from several satellites and ground segment operators, distributors, receiving stations, processing centres. A number of National, ESA, European, EUMETSAT and commercial missions, currently in action or being developed, have shown interest in the GMES programme although they have been, with the exception of ESA Sentinels, built to satisfy their respective operators and user priorities.

Among the major expectations regarding GMES is the continuity of operational applications relying on multi-source observations. In order to guarantee the sustainability and efficiency in data offering, the potential GMES Contributing missions, have been classified into five groups. The grouping is meant to indicate similarity and continuation in the data supply chain. These are:

- **Mission Group #1:** High & Very High resolution SAR imaging missions with different radar bands for all whether, day/night and interferometry applications

- **Mission Group #2:** High Resolution multi-spectral imaging missions

- **Mission Group #2b:** Very High Resolution multi-spectral imaging missions

- **Mission Group #3:** Medium-resolution land & ocean monitoring missions (i.e. wide-swath ocean colour and surface temperature sensors, altimeters)

- **Mission Group #4:** Geostationary atmospheric missions

- **Mission Group #5:** Low Earth Orbit atmospheric missions

The resolution classes are defined as follows:
- VHR1   Very High Resolution 1 where: resolution < =1m
- VHR2   Very High Resolution 2 where: 1m < resolution < =4m
- HR1   High Resolution 1 where: 4m <resolution<=10m
- HR2   High Resolution 1 where: 10m <resolution<=30m
- MRMedium Resolution where: 30m <resolution<=300m
- LR   Low Resolution where: resolution >=300m

There is no one-to-one relation between a specific mission group and one GSP. In principle, any single GSP may access to data from different mission groups based on their needs. Preferences of GSP towards certain missions may be considered within the technical and financial constraints. However, it is expected that GSPs be able to ingest data coming from different sensors of the same group regardless of the mission provider.

The different EO national, commercial or international missions, which contribute to the data provision to GMES services through this first version of the DAP, are listed in Table 2 (* supplied by CNES; ** supplied by Eumetsat)

Mission Group #1	Mission Group #2	Mission Group #2b	Mission Group #3	Mission Group #4/5
TerraSAR-X	Spot4, 5	Spot-5	Spot4/5 VGT	Parasol*
COSMO-SkyMed	DMC-UK1 (and Beijing-1, Nigeriasat, Alsat)	Kompsat-2	TopEx/Jason series*/**	Meteosat**
Radarsat	DMC-UK2	Formosat-2	MetOp**	MSG**
ENVISAT	DEIMOS-1	EROS-A/-B	ENVISAT	MetOp**
ERS	RapidEye constellation	IRS-P5 /Cartosat	ERS	ENVISAT
ALOS/PALSAR	IRS-P6/Resourcesat	Ikonos	MODIS	ERS
	Landsat	GeoEye-1	NOAA	
	Proba	Quickbird	SeaWifs	Scisat
	ALOS/AVNIR-2	Worldview-1/-2		GOSAT
		ALOS/PRISM		

Table 2: GMES Contributing Missions during DAP V1.0

For this DAP, the selection of the GCM for the different datasets is the result on an ESA ITT issued in 2008 and completed with the follow up negotiation. In section 10.3 each dataset definition includes the GCMs which contribute to it.

10.2 *DATASET DEFINITION TEMPLATE*

(A) General parameters of the dataset
Identifier of the dataset: Dataset ID [DAP_MGx_xx]
Title of the dataset
Originator: GSP that submitted the requirement

Dataset Description:	Brief description of the scope of the dataset
Ordering mechanism:	3 options: - **N/A** (not applicable) – BRM case - **N/A (Predefined)**: for predefined datasets; no order can be placed by GSP - **On demand**: for on-demand datasets; the form to be used to submit the order is specified
Area of interest:	High-level description of the relevant AOI(s) (a detailed AOI specification is provided if available in the annex of this document)
Temporal extent	Time window of dataset validity (dataset opened for ordering); not applicable to

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of dataset:	data access via subscription
Acq. window/ Mapping frequency:	Applicable acquisition window(s) and requested repetition frequency, if known
Delivery schedule:	Two options: - cumulative, at coverage completion or by batches for predefined datasets - on a product basis for on demand datasets
Delivery mechanism:	Indicates how the products are delivered to the Originator: - FTP@CDS: data available at the Core Infrastructure (CDS-CI); - FTP@GCM: data available at the GCM (FTP pull by user) - FTP@CDS (Emergency basket- dedicated access point at CDS-CI) - Media
Additional information:	This field specifies any constraint or requirement from both the GCM and the GSP

(B) List of available EO products

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Satellite	Sensor	Programming alternatives	Resolution (in meters) achieved by instrument/ programming mode	Available Quota[2]	Processing options, product types, restriction, if any	Expected tasking and delivery timeliness	Availability of new or archived product	Indication of projection when applicable
				New quota allocated within approved deviations[3]				

10.3   DATASETS VALIDITY

The field "temporal extent of dataset" in the dataset definition template defines the time window when new orders may be submitted by the GMES Service for the on-demand datasets or when the SCI may place data requests to a GCM for predefined datasets.

Datasets closure will happen:
- when all acquisition windows are closed and no more activity will happen under the dataset
- when quota has been exhausted and no additional data are needed under the dataset
- when the defined coverage is achieved

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[2] The quota can be expressed in number of products or square kilometres. It is the sum of the original data offer plus, when applicable, the new allocation granted to cover the data requirements up to May 2011.

[3] A gray row indicates a "deviation". A deviation concerns a fundamental change in terms of satellite mission or sensor mode/resolution i.e. a change that requires, apart from a new budget analysis also a feasibility study (different footprints /area covered).

- when deadlines for ordering are set by the DAM due to specific constraints

Regarding the on-demand datasets closed in January, February or March 2011, it is to be noted that Rapideye quota is still available for ordering under the Grant. GMES Users requiring access to Rapideye data, for any application within the service shall contact the Account Manager to arrange data ordering.

On the other hand, where the data were not needed anymore, the corresponding quota has been released, resulting in a lower allocated quota or even in some cases in the cancellation of the offer (quota=0); however, the datasets are still present in the document as a trace of the original offer.

10.4 DATASETS CONTENT

Using the template described above, this section presents each dataset available to the GMES eligible users until end of May 2011 at the latest.

Dataset Description: Mapping for city planning at local scale 2010

Ordering mechanism: N/A (predefined)

Area of interest: Madrid, Lisbon, Luxembourg, Bratislava, Bari, Thessaloniki and Seville

Temporal extent of dataset: 2009/2010

Acq window/Mapping frequency: 3 coverages in 1 year

Delivery schedule: Cumulative at LUZ coverage completion

Delivery mechanism: FTP@CDS

Additional information: COSMO-SkyMed: 15m RMS geolocation accuracy; use of SRTM DEM

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ALOS	PALSAR	Fine single, dual, quad pol	7, 14, 24	N/A	Not ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS
COSMO-SkyMed	SAR2000	Stripmap Himage (VV-VH pol.)	3	3 coverages	Ortho	LLT, ND	N	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description: 3 European transects with 2 SAR coverages during vegetation season in reference year 2009 and 2010

Ordering mechanism: N/A (predefined)

Area of interest: Transects: Dresden-Prague-Linz; Munich-Innsbruck-Verona; Thessaloniki-Sofia-Craiova

Temporal extent of dataset: 2010

Acq window/Mapping frequency: 2 coverage during vegetation season

Delivery schedule: Cumulative at Transect coverage completion

Delivery mechanism: FTP@CDS

Additional information: COSMO-SkyMed: 15m RMS geolocation accuracy; use of SRTM DEM

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ALOS	PALSAR	Fine single, dual, quad pol	7, 14, 24	N/A	Not ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS
COSMO-SkyMed	SAR2000	ScanSAR Wide Region	30	2 coverages	Ortho	LLT, ND	N	WGS84 UTM

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Agence spatiale européenne

DAP_MG1_03 : Emergency Background reference mapping in HR SAR

Dataset Description: Predefined planning implemented at GCME for raw data availability in the archive. Ordering of the archived data is then performed in the framework of other datasets

Ordering mechanism: N/A

Area of interest: As required by SAFER

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: Defined by GSP but implemented on best effort basis by GCME

Delivery schedule: N/A

Delivery mechanism: N/A

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Image single or Alternate pol	30	N/A	N/A	LLT	N	N/A
ERS	SAR	Image single pol	30	N/A	N/A	LLT	N	N/A
ALOS	PALSAR	Fine single, dual, quad pol	7, 14, 24	N/A	N/A	LLT	N	N/A

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Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RADARSAT	SAR	Fine, Wide, Standard, Multi-look	9, 25, 28	N/A	N/A	LLT	N	N/A
TERRASAR-X	TSX-SAR	Stripmap, ScanSAR	3, 6, 18	N/A	N/A	LLT	N	N/A
COSMO-SkyMed	SAR2000	ScanSAR	15, 30	N/A	N/A	LLT	N	N/A

European Space Agency
Agence spatiale européenne

DAP_MG1_04 : Emergency Background reference mapping in VHR SAR

Dataset Description: Predefined planning implemented at GCME for raw data availability in the archive. Ordering of the archived data is then performed in the framework of other datasets

Ordering mechanism: N/A

Area of interest: As required by SAFER

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: Defined by GSP but implemented on best effort basis by GCME

Delivery schedule: N/A

Delivery mechanism: N/A

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RADARSAT	SAR	Ultra-Fine	3	N/A	N/A	LLT	N	N/A
TERRASAR-X	TSX-SAR	Spotlight, Stripmap	1, 2, 3, 4	N/A	N/A	LLT	N	N/A
COSMO-SkyMed	SAR2000	Spotlight, Himage	1, 3	N/A	N/A	LLT	N	N/A

European Space Agency
Agence spatiale européenne

DAP_MG1_05 : Emergency Background reference mapping in MR/LR SAR

Dataset Description: Predefined planning implemented at GCME for raw data availability in the archive. Ordering of the archived data is then performed in the framework of other datasets

Ordering mechanism: N/A

Area of interest: As required by SAFER

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: Defined by GSP but implemented on best effort basis by GCME

Delivery schedule: N/A

Delivery mechanism: N/A

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Wide Swath, single pol.	150	N/A	N/A	LLT	N	N/A
RADARSAT	SAR	ScanSar Wide	100	N/A	N/A	LLT	N	N/A
ALOS	PALSAR	ScanSar	100	N/A	N/A	LLT	N	N/A
COSMO-SkyMed	SAR2000	HugeRegion	100	N/A	N/A	LLT	N	N/A

European Space Agency
Agence spatiale européenne

DAP_MG1_06 : Emergency Rapid mapping in VHR SAR & cross-cutting issues

Dataset Description: Rush satellite tasking or rush retrieval from the archive upon emergency activation by SAFER

Ordering mechanism: On-demand: SPERF to be sent to GEST Operator

Area of interest: Global with emphasis on Europe and Mediterranean Basin

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: Upon event occurrence

Delivery schedule: See [RD - 4] but subject to GCMEs constraints

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket)

Additional information: Basic products are the baseline except for TSX products disseminated as EEC by default

Mission	Instrument	Acquisition options	Resolution (m)	Quota[4]	Product	Timeliness	New/ Archive	Projection
RADARSAT	SAR	Ultra Fine Single pol	3	30	Not Ortho	Emergency, NRT	N	WGS84 UTM
TERRASAR-X	TSX-SAR	HS Spotlight or Spotlight single/dual pol	1, 2 or 4	35	Not Ortho	Emergency, NRT	N	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	HS Spotlight or Spotlight single/dual pol	1, 2 or 4	20	Not Ortho	RUSH3h	A	WGS84 UTM or UPS

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[4] Quota allocation for emergency datasets is indicative; data requests exceeding the allocated quota are satisfied as much as possible with reserved budget

European Space Agency
Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota[4]	Product	Timeliness	New/ Archive	Projection
RADARSAT	SAR	Ultra Fine Single pol	3	15	Not Ortho	RUSH3h	A	WGS84 UTM
COSMO-SkyMed	SAR2000	Spotlight-2 (VV or HH pol)	1	20	Not Ortho	Emergency, NRT	N	WGS84 UTM
COSMO-SkyMed	SAR2000	Spotlight-2 (VV or HH pol)	1	10	Not Ortho	RUSH3h	A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG1_07 : Emergency Rapid/Online mapping in HR SAR & cross-cutting issues

Dataset Description: Rush satellite tasking or rush retrieval from the archive upon emergency activation by SAFER

Ordering mechanism: On-demand: SPERF to be sent to GEST Operator

Area of interest: Global with emphasis on Europe and Mediterranean Basin

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: Upon event occurrence

Delivery schedule: See [RD - 4] but subject to GCMEs constraints

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket)

Additional information: Basic products are the baseline except for TSX products disseminated as EEC by default

Mission	Instrument	Acquisition options	Resolution (m)	Quota[5]	Product	Timeliness	New/ Archive	Projection
ERS	SAR	Image single pol	30	>30/a	Not Ortho	Emergency, NRT	N	WGS84 UTM or UPS
ENVISAT	ASAR	Image single pol	30	>60/a	Not Ortho	Emergency, NRT	N	WGS84 UTM or UPS
RADARSAT	SAR	Fine or Wide or Standard or Extended High single pol	9,28,28,28	10	Not Ortho	Emergency, NRT	N	WGS84 UTM

[5] Quota allocation for emergency datasets is indicative; data requests exceeding the allocated quota are satisfied as much as possible with reserved budget

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Mission	Instrument	Acquisition options	Resolution (m)	Quota[5]	Product	Timeliness	New/ Archive	Projection
RADARSAT	SAR	Fine or Wide or Standard or Extended High single pol	9,28,28,28	20	Not Ortho	RUSH3h	A	WGS84 UTM
RADARSAT	SAR	Fine or Wide or Standard dual pol	9,28,28	15	Not Ortho	Emergency, NRT	N	WGS84 UTM
TERRASAR-X	TSX-SAR	Stripmap single or dual pol	3, 6	30	EEC	Emergency, NRT	N	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	Stripmap single or dual pol	3, 6	15	EEC	RUSH3h	A	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	ScanSar single pol	18	10	EEC	Emergency, NRT	N	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	ScanSar single pol	18	10	EEC	RUSH3h	A	WGS84 UTM or UPS
RADARSAT	SAR	Fine, Wide, Standard dual pol	9,28,28	5	Not Ortho	RUSH3h	A	WGS84 UTM
RADARSAT	SAR	Fine Quad pol or Standard quad pol	25, 28	5	Not Ortho	Emergency, NRT	N	WGS84 UTM
RADARSAT	SAR	Fine Quad pol or Standard quad pol	25, 28	5	Not Ortho	RUSH3h	A	WGS84 UTM

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Mission	Instrument	Acquisition options	Resolution (m)	Quota[5]	Product	Timeliness	New/ Archive	Projection
RADARSAT	SAR	Multi-Look Fine single pol	9	5	Not Ortho	Emergency, NRT	N	WGS84 UTM
RADARSAT	SAR	Multi-Look Fine single pol	9	5	Not Ortho	RUSH3h	A	WGS84 UTM
ERS	SAR	Image single pol	30	N/A	Not Ortho	RUSH3h	A	WGS84 UTM or UPS
ENVISAT	ASAR	Image single pol	30	N/A	Not Ortho	RUSH3h	A	WGS84 UTM or UPS
COSMO-SkyMed	SAR2000	ScanSar WideRegion (HH or VV or cross-pol), single look	30	35	Not Ortho	Emergency, NRT	N	WGS84 UTM
COSMO-SkyMed	SAR2000	ScanSar WideRegion (HH or VV or cross-pol), single look	30	15	Not Ortho	RUSH3h	A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description: Regional Sea Ice monitoring in Baltic Sea, to provide seasonal regional monitoring and forecasting service including input to ocean/sea ice models in the Baltic.

Ordering mechanism: On demand, on a monthly basis (minimum 2 weeks notice)

Area of interest: Baltic Sea – see Annex

Temporal extent of dataset: December 2008 to May 2011

Acq window/Mapping frequency: Daily from December to May

Delivery schedule: On a product basis

Delivery mechanism: FTP@GCM

Additional information: Radarsat-2 double polarisation instead of single polarisation was agreed from March 2011 onwards

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ALOS	PALSAR	ScanSar single pol	100	N/A	L1.5	MLT, NRT3h	N	WGS84 UTM or UPS
ENVISAT	ASAR	Wide Swath single pol	150	N/A but expected 1900	L1	MLT, NRT3h	N	WGS84 UTM or UPS
RADARSAT	SAR	ScanSar Wide single pol	100	736	L1B standard georeferenced	MLT, NRT3h	N	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description: High frequency imaging of Greenland Waters, to provide all-year regional monitoring and forecasting services including input to ocean/sea ice models using satellite earth observation data.

Ordering mechanism: On demand, on a monthly basis (minimum 2 weeks notice)

Area of interest: SW corner: 59ºN 57ºW: NW corner: 84ºN 93ºW; NE corner: 80ºN, 15ºE; SE corner: 58ºN 27ºW

Temporal extent of dataset: December 2008 to May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: On a product basis

Delivery mechanism: FTP@GCM

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Wide swath single pol	150	N/A but expected 8000/a	L1	MLT, NRT3h	N	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

Dataset Description: High frequency imaging of southern Greenland Waters, to provide all-year regional monitoring and forecasting services
including input to ocean/sea ice models using satellite earth observation data.

Ordering mechanism: On demand, on a monthly basis (minimum 2 weeks notice)

Area of interest: SW corner: 58ºN 52ºW - NE corner: 65ºN, 38ºW

Temporal extent of dataset: December 2008 to May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: On a product basis

Delivery mechanism: FTP@GCM

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Wide swath single pol	150	N/A but expected 8000/a	L1	MLT, NRT3h	N	WGS84 UTM or UPS
ALOS	PALSAR	ScanSAR mode single pol	100	N/A	L1.5	MLT, NRT3h	N	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_11 : Regional Sea Ice Monitoring in Davis Strait and Labrador Sea

Dataset Description: High frequency imaging to provide all-year regional monitoring and forecasting services in the polar regions and Davis Strait and Labrador Sea.

Ordering mechanism: On demand, on a monthly basis (minimum 2 weeks notice)

Area of interest: SW corner: 61ºN 60ºW - NE corner: 70ºN, 50ºW

Temporal extent of dataset: December 2008 to May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: On a product basis

Delivery mechanism: FTP@GCM

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Wide swath single pol	150	N/A but expected 8000/a	L1	MLT, NRT3h	N	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

Dataset Description: High frequency imaging of Eurarctic Area of interest, to provide all-year long regional monitoring and forecasting services including input to ocean/sea ice models in the European Arctic using satellite Earth observation data.

Ordering mechanism: On demand, on a monthly basis (minimum 2 weeks notice)

Area of interest: (lat,long): +82.00,+10.00 +74.00,+10.00 +74.00,+35.00 +82.00,+35.00

Temporal extent of dataset: December 2008 to May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: On a product basis

Delivery mechanism: FTP@GCM

Additional information: Radarsat-2 double polarisation instead of single polarisation was agreed from November 2009 onwards

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ALOS	PALSAR	ScanSAR single pol	100	N/A	L1.5	MLT, NRT3h	N	WGS84 UTM or UPS
RADARSAT	SAR	ScanSar Wide double pol	100	960	L1B standard georeferenced	MLT, NRT3h	N	WGS84 UTM
ENVISAT	ASAR	Wide swath single pol	150	N/A but expected 2300	L1	MLT, NRT3h	N	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

Dataset Description: High frequency imaging of Eurarctic Area of interest, to provide all-year long regional monitoring and forecasting services including input to ocean/sea ice models in the European Arctic using satellite Earth observation data.

Ordering mechanism: On demand, on a monthly basis (minimum 2 weeks notice)

Area of interest: SW corner: 70° N 30°W; NW corner: 87° N 30°W; NE corner: 87° N 110° E; SE corner: 70° N 110 °E

Temporal extent of dataset: December 2008 to May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: On a product basis

Delivery mechanism: FTP@GCM

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Wide swath single pol/ Alternate pol	150, 30	7000 , 50	L1	MLT, NRT3h	N	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

Dataset Description: High frequency imaging of Eurarctic Area of interest, to provide all-year long regional monitoring and forecasting services including input to ocean/sea ice models in the European Arctic using satellite Earth observation data.

Ordering mechanism: On demand, on a monthly basis (minimum 2 weeks notice)

Area of interest: 80-87N; 80W-150E

Temporal extent of dataset: December 2008 to May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: On a product basis

Delivery mechanism: FTP@GCM

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Wide swath single pol	150	N/A but expected 7000	L1	MLT, NRT3h	N	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_15 : Sea Ice Monitoring in Antarctica

Dataset Description: High frequency imaging of Antarctica, in order to provide all-year monitoring and forecasting services in the Antarctic waters using satellite earth observation data.

Ordering mechanism: On demand, on a monthly basis (minimum 2 weeks notice)

Area of interest: 60-80S, 0W-200W, 60-70S, 0E-160E

Temporal extent of dataset: December 2008 to May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: On a product basis

Delivery mechanism: FTP@GCM

Additional information: Radarsat-2 data provision in order to cover Envisat outage (22/10/2010 – 02/11/2010)

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Wide swath single pol Image mode Global Monitoring mode	150 28 950	N/A but expected 30000	L1	MLT, NRT3h	N	WGS84 UTM or UPS
RADARSAT	SAR	ScanSar Wide single pol	100	73	L1B standard georeferenced	MLT, NRT3h	N	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG1_16 : Volcanoes Europe/RoW VHR & HR SAR

Dataset Description: On-demand mapping of Volcanoes in Europe and in the Rest of the World with very high and high resolution SAR data

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Europe: Etna, Piton de la Fournaise, Rest of the world: South America-South Pacific area

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RADARSAT	SAR	Fine single pol	9	7	Not Ortho	RUSH, NRT3h Arch24h	N or A	WGS84 UTM
TERRASAR-X	TSX-SAR	HS Spotlight or Spotlight single/dual pol	1, 2, 4	12	Not Ortho	MLT, ND Arch24h	N or A	WGS84 UTM or UPS

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
TERRASAR-X	TSX-SAR	TSX-SAR/HS Spotlight or Spotlight single/dual pol	1, 2, 4	12	Not Ortho	RUSH, NRT3h Arch24h	N or A	WGS84 UTM or UPS
RADARSAT	SAR	Fine single pol	9	2	Not Ortho	SLT, NRT3h Arch24h	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG1_17 : Earthquakes Europe/RoW VHR & HR SAR

Dataset Description: On-demand mapping of earthquake prone areas in Europe and in the Rest of the World with very high and high resolution SAR data

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Outside Europe: Southern Mediterranean countries; Europe: South Italy, Romania (Vrancea active seismic zone)

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RADARSAT	SAR	Fine (not multi-look) single pol	9	60	Not Ortho	RUSH, NRT3h Arch24h	N or A	WGS84 UTM
ERS	SAR	Image single pol	30	N/A	Not Ortho	RUSH, NRT3h Arch24h	N or A	WGS84 UTM or UPS
ENVISAT	ASAR	Image single pol	30	N/A	Not Ortho	RUSH, NRT3h Arch24h	N or A	WGS84 UTM or UPS

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TERRASAR-X	TSX-SAR	Spotlight or HS Spotlight single/dual pol	1, 2, 4	5	Not Ortho	RUSH, NRT3h Arch24h	N or A	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	Spotlight or HS Spotlight single/dual pol	1, 2, 4	4	Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	ScanSar single pol	18	0	Not Ortho	RUSH, NRT3h Arch24h	N or A	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	ScanSar single pol	18	0	Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	Stripmap single pol	3, 6	22	Not ortho	MLT, ND	N	WGS84 UTM or UPS
COSMO-SkyMed	SAR2000	Spotlight-2_(VV,VH pol)	1	6	Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM
COSMO-SkyMed	SAR2000	Spotlight-2_(VV,VH pol)	1	12	Not Ortho	RUSH, NRT3h Arch24h	N or A	WGS84 UTM
COSMO-SkyMed	SAR2000	Wide Region	30	6	Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM
COSMO-SkyMed	SAR2000	Wide Region	30	12	Not Ortho	RUSH, NRT3h Arch24h	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG1_18 : Landslide monitoring & Inventory Mapping & Service Evolution InSAR

SAFER

(Mediterranean, Alpine, Eastern Europe, outside Europe)

Dataset Description: Landslide monitoring, Inventory Mapping and InSAR Services

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: For mapping: 1) Italy, Calabria Region 2) Austria Lower Austria 3) Italy/Austria, South Tirol
For monitoring: 1) Slovakia 2) Italy
For service evolution: 1) Italy, Molise/Puglia Region 2) Slovakia, Spies castle 3) Outside Europe hotspots

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RADARSAT	SAR	Fine single pol	9	400	Not Ortho	Arch Normal	A	WGS84 UTM
RADARSAT	SAR	Fine single pol	9	60	Not Ortho	LLT, ND	N	WGS84 UTM
ERS	SAR	Image single pol	30	N/A	Not Ortho	Arch Normal	A	WGS84 UTM or UPS

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Image single pol	30	N/A	Not Ortho	Arch Normal	A	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	Spotlight or HS Spotlight single/dual pol	1, 2, 4	33	Not Ortho	MLT, ND	N	WGS84 UTM or UPS

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DAP_MG1_19 : Rapid Landslide mapping InSAR (Europe)

Dataset Description: Rapid Landslide mapping following emergencies induced by landslides

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Europe

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Image single pol	30	N/A	Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM or UPS
ERS	SAR	Image single pol	30	N/A	Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_20 : Nuclear sites/facilities monitoring VHR SAR

Dataset Description: Monitoring of nuclear sites/facilities with VHR SAR.
Restraint dataset

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Nuclear test site P.R. of North Korea: Yongbyon.

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
COSMO-SkyMed	Sar2000	Spotlight-2	1	27	Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM
COSMO-SkyMed	Sar2000	Stripmap Himage	3	5	Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
TERRASAR-X	TSX-SAR	Spotlight single/dual pol or Stripmap single pol	2, 3	14	Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_21 : Crisis indicators (Africa) HR SAR

Dataset Description: Monitoring and analysis of crisis indicators services

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: North and South Kivu province in DRC (approx 300 x 500 Km2)

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RADARSAT	SAR	Fine, Dual Pol	9	0	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM
RADARSAT	SAR	Fine, Single Pol	9	0	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM
ENVISAT	ASAR	Image single pol	30	N/A	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_22 : Critical assets monitoring & assessment VHR/HR SAR

Dataset Description: Monitoring and assessment of critical assets services

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Africa: DR Congo –Kinshasa region-, Great Lakes Area, Somalia, Chad-Sudan, Angola, Nigeria (Niger delta), Algeria, Tanzania-Congo-Burundi borders; Asia: Iraq, Kuwait. Black sea –Odessa port-.Ukraine, Georgia, Baku-Tbilisi-Ceyhan pipeline; Eastern Europe: Bulgaria- Sofia region-South America: Colombia, (Lower Magdalena River)

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RADARSAT	SAR	Ultra Fine, Single pol	3	16	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM
RADARSAT	SAR	Fine, Single pol	9	25	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RADARSAT	SAR	ScanSAR Narrow, Wide, Single pol	28, 100	10	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM
COSMO-SkyMed	SAR2000	Spotlight-2	1	10	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG1_23 : Illegal mining/timber logging (Congo) VHR/HR SAR

GMOSAIC

Dataset Description: Monitoring of illegal mining and timber logging activities

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Africa (North and South Kivu provinces in Congo); Congo (Bandundu, Equateur provinces, Orientale province)

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ALOS	PALSAR	Fine single/dual pol	10	N/A	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS
RADARSAT	SAR	Fine single pol	9	10	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM
TERRASAR-X	TSX-SAR	Stripmap single/dual pol	3, 6	20	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Image, Alternate pol	30	N/A	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_24 : Monitoring of (military) activities and border crossings (Africa, Eastern EC border, Indonesia) HR/VHR SAR

GMOSAIC

Dataset Description: Monitoring services of (military) activities and border crossings

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Priorities: 1: Eastern EC border (2 hot spots); 2: Chad (Border to Nigeria AND Border to Sudan); 3: Eastern Congo border; 4: Border between Liberia and Sierra Leone

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
TERRASAR-X	TSX-SAR	ScanSar single pol	18	50	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	Spotlight HS or Spotlight single/dual pol.	1, 2, 4	36	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_25 : Long range migration routes and temporary settlements VHR SAR

Dataset Description: Monitoring services along long range migration routes and temporary settlements

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Priorities: 1: Chad (Border to Nigeria and Border to Sudan); 2: Eastern Congo border; 3: Border between Liberia and Sierra Leone; 4: Eastern EC border; 5: Libyan maritime border

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
TERRASAR-X	TSX-SAR	Spotlight single/dual pol.	1, 2, 4	8	Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	Stripmap single/dual pol	3, 6	40	Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_26 : Contingency plan preparation VHR SAR

Dataset Description: Monitoring of on site activities in support to contingency plan preparation

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Africa: DCR, Great Lakes Area, Somalia, Chad-Sudan, Angola. Asia: Iran, Iraq, Kuwait, Pakistan-Afghanistan. Eastern Europe: Caucasus, Ukraine, Moldavia

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
TERRASAR-X	TSX-SAR	Stripmap single/dual pol	3, 6	13	Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	Stripmap single/dual pol	3, 6	4	Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM or UPS
COSMO-SkyMed	SAR2000	Stripmap Himage/single / dual pol	3	6	Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG1_27 : Terrain analysis and mobility assessment VHR SAR GMOSAIC

Dataset Description: Emergency terrain analysis and mobility assessment

Ordering mechanism: On-demand: SPERF to be sent to GEST Operator

Area of interest: Outside EU. High probability on Africa

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: Upon event occurrence

Delivery schedule: See [RD - 4] but subject to GCMEs constraints

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket)

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and both GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota[6]	Product	Timeliness	New/ Archive	Projection
COSMO-SkyMed	SAR2000	Spotlight-2	1	10	Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM

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[6] Quota allocation for emergency datasets is indicative; data requests exceeding the allocated quota are satisfied as much as possible with reserved budget

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Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota[6]	Product	Timeliness	New/ Archive	Projection
TERRASAR-X	TSX-SAR	Spotlight single /dual pol or Stripmap single pol	2,3,4	0	Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_28 : Logistic and deployment operations VHR SAR GMOSAIC

Dataset Description: Emergency monitoring of logistic and deployment operations

Ordering mechanism: On-demand: SPERF to be sent to GEST Operator

Area of interest: Outside EU. High probability on Africa

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: Upon event occurrence

Delivery schedule: See [RD - 4] but subject to GCMEs constraints

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket)

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and both GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota[7]	Product	Timeliness	New/ Archive	Projection
TERRASAR-X	TSX-SAR	Spotlight single /dual pol or Stripmap single pol	2, 3, 4	0	Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM or UPS

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[7] Quota allocation for emergency datasets is indicative; data requests exceeding the allocated quota are satisfied as much as possible with reserved budget

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Mission	Instrument	Acquisition options	Resolution (m)	Quota[7]	Product	Timeliness	New/ Archive	Projection
COSMO-SkyMed	SAR2000	Spotlight-2	1	8	Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG1_29 : Damage assessment for post conflict situation (Global) VHR SAR GMOSAIC

Dataset Description: Assessment service of damage status after conflicts

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Global

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: N/A

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
COSMO-SkyMed	SAR2000	Spotlight-2	1	1	Not Ortho	LLT, ND	N	WGS84 UTM
COSMO-SkyMed	SAR2000	Spotlight-2	1	1	Not Ortho	Arch Normal	A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG1_30 : Support reconstruction missions after conflicts (Global) VHR SAR GMOSAIC

Dataset Description: Survey service in support to reconstruction missions after conflicts

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Global

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and both GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
COSMO-SkyMed	SAR2000	Spotlight-2	1	1	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM
TERRASAR-X	TSX-SAR	Spotlight single /dual pol or Stripmap single pol	2, 3, 4	2	Not Ortho	LLT, ND	N	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

Dataset Description: Risk Management services of plain floods events

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: West-Romania, West-Central Bulgaria, North-Central Bulgaria

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and both GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
TERRASAR-X	TSX-SAR	Stripmap single/dual pol	3, 6	12	Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM or UPS
ERS	SAR	Image single pol	30	51	Not Ortho	Arch Normal	A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_33 : Risk Assessment Service (RoW) SAR

Dataset Description:	Development of improved tools for humanitarian crisis mapping outside of Europe
Ordering mechanism:	On demand: SPDRF form to be sent to SCI Operator
Area of interest:	a) Africa including Sub-Saharan, Central, Equatorial and East Africa and Madagascar; b) Latin America including Ecuador, Bolivia and Central America such as Nicaragua and Honduras; c) South East and Central Asia including Indonesia
Temporal extent of dataset:	2009-May 2011
Acq window/Mapping frequency:	AS per GSP request
Delivery schedule:	On a product basis
Delivery mechanism:	FTP@CDS
Additional information:	Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RADARSAT	SAR	Fine single pol	9	4	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM
TERRASAR-X	TSX-SAR	Stripmap single or dual pol	3, 6	11	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
TERRASAR-X	TSX-SAR	Spotlight single or dual pol	1, 2, 4	4	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS
COSMO-SkyMed	SAR2000	Spotlight-2	1	6	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM
COSMO-SkyMed	SAR2000	Stripmap Himage	3	4	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description: Service validation in support of SAFER service outputs on a sample basis

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Same areas for which SAFER service outputs are generated

Temporal extent of dataset: 2009-15 Feb 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
COSMO-SkyMed	SAR2000	Spotlight-2	1	2	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description: Emergency Rapid mapping in VHR SAR for maritime applications (oil spill monitoring and polluter identification)

Ordering mechanism: On-demand: SPERF to be sent to GEST Operator

Area of interest: All European Seas (Atlantic, Baltic, Black, Mediterranean and North Seas). Areas outside EU waters may be addressed in case of EC and EU Member States interest

Temporal extent of dataset: 2010-May 2011

Acq window/Mapping frequency: Upon event occurrence

Delivery schedule: See [RD - 4] but subject to GCMEs constraints

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket)

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and both GCMEs.

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
COSMO-SkyMed	SAR2000	Spotlight-2 (VV,VH pol)	1	N/A	Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM
COSMO-SkyMed	SAR2000	Stripmap Himage	3	N/A	Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
TERRASAR-X	TSX-SAR	/HS Spotlight or Spotlight single/dual pol	1, 2 or 4	N/A	Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	Stripmap single or dual pol	3 or 6	N/A	Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM or UPS
RADARSAT	SAR	Ultra Fine Single pol	3	N/A	Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG1_36 : Emergency Rapid mapping in HR SAR for maritime safety applications

Dataset Description: Emergency Rapid mapping in HR SAR for maritime applications (oil spill monitoring and polluter identification)

Ordering mechanism: On-demand: SPERF to be sent to GEST Operator

Area of interest: All European Seas (Atlantic, Baltic, Black, Mediterranean and North Seas). Areas outside EU waters may be addressed in case of EC and EU Member States interest

Temporal extent of dataset: 2010-May 2011

Acq window/Mapping frequency: Upon event occurrence

Delivery schedule: See [RD - 4] but subject to GCMEs constraints

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket)

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and both GCMEs.

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
COSMO-SkyMed	SAR2000	SAR2000/ ScanSar WideRegion (HH or VV or cross- pol), single look	30	N/A	Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Image single or Alternate pol	30	N/A	Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	TSX-SAR/ScanSar single pol	18	N/A	Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	TSX-SAR/Stripmap single or dual pol	3 or 6	N/A	Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM or UPS
RADARSAT	SAR	Fine, Wide, Standard, dual or quad pol, Multi-Look Fine single pol	9,25, 28	N/A	Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG1_37 : Emergency Rapid mapping in MR SAR for maritime safety applications

Dataset Description: Emergency Rapid mapping in MR SAR for maritime applications (oil spill monitoring and polluter identification)

Ordering mechanism: On-demand: SPERF to be sent to GEST Operator

Area of interest: All European Seas (Atlantic, Baltic, Black, Mediterranean and North Seas). Areas outside EU waters may be addressed in case of EC and EU Member States interest

Temporal extent of dataset: 2010-May 2011

Acq window/Mapping frequency: Upon event occurrence

Delivery schedule: See [RD - 4] but subject to GCMEs constraints

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket)

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and both GCMEs.

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
COSMO-SkyMed	SAR2000	ScanSar Huge Region (HH or VV or cross-pol), single look	100	N/A	Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM
ENVISAT	ASAR	Wide Swath single pol	150	N/A	Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RADARSAT	SAR	ScanSar Wide single pol	100	N/A	Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG1_38 : CleanSeaNet and EMSA maritime surveillance services - VHR SAR

Dataset Description: Surveillance services for oil spill monitoring and polluter identification

Ordering mechanism: On-demand: SPERF or SPDRF to be sent to GEST/SCI Operator

Area of interest: All European Seas (Atlantic, Baltic, Black, Mediterranean and North Seas). Areas outside EU waters may be addressed in case of EC and EU Member States interest

Temporal extent of dataset: 2010-May 2011

Acq window/Mapping frequency: Upon event occurrence

Delivery schedule: As per applicable scenario

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket) if emergency, FTP@CDS if normal tasking

Additional information: EMSA/ESA agreement

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
COSMO-SkyMed	SAR2000	Spotlight-2 (VV,VH pol)	1	N/A	Not Ortho	Emergency or SLT, NRT RUSH3h	N or A	WGS84 UTM
COSMO-SkyMed	SAR2000	Stripmap Himage	3	N/A	Not Ortho	Emergency or SLT, NRT RUSH3h	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
TERRASAR-X	TSX-SAR	HS Spotlight or Spotlight single/dual pol	1, 2 or 4	N/A	Not Ortho	Emergency or SLT, NRT RUSH3h	N or A	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	Stripmap single or dual pol	3 or 6	N/A	Not Ortho	Emergency or SLT, NRT RUSH3h	N or A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_39 : CleanSeaNet and EMSA maritime surveillance services - HR SAR

Dataset Description: Surveillance services for oil spill monitoring and polluter identification

Ordering mechanism: On-demand: SPERF or SPDRF to be sent to GEST/SCI Operator

Area of interest: All European Seas (Atlantic, Baltic, Black, Mediterranean and North Seas). Areas outside EU waters may be addressed in case of EC and EU Member States interest

Temporal extent of dataset: 2010-May 2011

Acq window/Mapping frequency: Upon event occurrence

Delivery schedule: As per applicable scenario

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket) if emergency, FTP@CDS if normal tasking

Additional information: EMSA/ESA agreement

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
COSMO-SkyMed	SAR2000	ScanSar WideRegion (HH or VV or cross- pol), single look	30	N/A	Not Ortho	Emergency or SLT, NRT Rush3h	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

ENVISAT	ASAR	Image single or Alternating pol	30	N/A	Not Ortho	Emergency or SLT, NRT Rush3h	N or A	N/A
TERRASAR-X	TSX-SAR	ScanSar single pol	18	N/A	Not Ortho	Emergency or SLT, NRT Rush3h	N or A	N/A
TERRASAR-X	TSX-SAR	Stripmap single or dual pol	3 or 6	N/A	Not Ortho	Emergency or SLT, NRT Rush3h	N or A	N/A

European Space Agency
Agence spatiale européenne

Dataset Description: Surveillance services for oil spill monitoring and polluter identification

Ordering mechanism: On-demand: SPERF or SPDRF to be sent to GEST/SCI Operator

Area of interest: All European Seas (Atlantic, Baltic, Black, Mediterranean and North Seas). Areas outside EU waters may be addressed in case of EC and EU Member States interest

Temporal extent of dataset: 2010-May 2011

Acq window/Mapping frequency: Upon event occurrence

Delivery schedule: As per applicable scenario

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket) if emergency, FTP@CDS if normal tasking

Additional information: EMSA/ESA agreement

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
COSMO-SkyMed	SAR2000	ScanSar Huge Region (HH or VV or cross-pol), single look	100	N/A	Not Ortho	Emergencyor SLT, NRT RUSH3h	N or A	WGS84 UTM
ENVISAT	ASAR	Wide Swath single pol	150	N/A	Not Ortho	Emergency or SLT, NRT RUSH3h	N or A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_41 : Geological Risks and Ground Deformation services SAR

Dataset Description: Monitoring and mapping of landslides and subsidence detailed information on shape and activity of alpine slope instability - Forecasting of ground deformations, at different temporal and spatial scales, and in various physiographic and environmental settings, PSI analysis

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Hungarian lowland, Hungary ; Landslide site in Palma de Mallorca, Spain; Zermatt, Switzerland St. Moritz, Switzerland; Dolomiti, Italy ; Silesian Coal Basin, Poland; Central Umbria, Italy

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RADARSAT	SAR	Fine single pol	9	36	Not Ortho	Arch Normal	A	WGS84 UTM
COSMO-SkyMed	SAR2000	Stripmap Himage	3	13	Not Ortho	Arch Normal	A	WGS84 UTM
COSMO-SkyMed	SAR2000	Stripmap Himage	3	45	Not Ortho	LLT, ND	N	WGS84 UTM
ALOS	PALSAR	Fine single/dual pol	10	95	Not Ortho	Arch Normal	A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ALOS	PALSAR	Fine single/dual pol	10	50	Not Ortho	LLT, ND	N	WGS84 UTM or UPS
ENVISAT	ASAR	Image, Alternate Pol, Wide Swath single pol	30, 150	N/A	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS
ERS	SAR	Image single pol	30	N/A	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	Stripmap single	3, 6	44	Not Ortho	LLT, ND	N	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_42 : Vulcano Monitoring (global) SAR

Dataset Description: Monitoring of volcanic activity and relevant hazard at global scale

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: 1) Piton de la Fournaise (La Reunion)
2) Stromboli (Italy)
3) Soufrière Hills (Montserrat)
4) Karthala (Comores)

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Interferometry applications: acquisitions should be done with the smallest possible interval

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
COSMO-SkyMed	SAR2000	Stripmap HIMAGE single pol	3,6	80	Not ortho	LLT, ND	N	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG1_43 : Natural Disasters SAR

Dataset Description: Natural disasters, emergencies and security related applications

Ordering mechanism: On-demand: SPDRF to be sent to SCI Operator

Area of interest: As per GSP request

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: Upon event occurrence

Delivery schedule: On a product basis

Delivery mechanism: FTP@GCM

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
TERRASAR-X	TSX-SAR	HS Spotlight or Spotlight single pol	1, 2 or 4	5	Not Ortho	SLT, NRT	N	WGS84 UTM or UPS
TERRASAR-X	TSX-SAR	Stripmap single pol	3, 6	1	Not Ortho	SLT, NRT	N	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_44 : Water Quality Monitoring HR SAR

Aquamar

Dataset Description: Water Quality Information services for water framework directive reporting, bathing water monitoring, aquaculture monitoring, large scale marine infrastructure and algal bloom warning

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: EEA 32: Baltic Sea, North Sea, North-East Atlantic, Mediterranean Sea, Black Sea

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Wave mode Single Pol	100	N/A	Not Ortho	Arch Normal	A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_45: Science based remote sensing services to support REDD and sustainable forest management in tropical region SAR

Dataset Description: Development of service capabilities to support fighting deforestation and forest degradation in the tropical region

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Tropical Region

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Image, Alternate Pol, Wide Swath single pol	30, 150	N/A	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS
ERS	SAR	Image single pol	30	N/A	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_46: Regional Systematic Ocean colour

Dataset Description: Colour and temperature images from the coastal sea. Winds, waves, sea-levels and currents from radar images

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest:
Catalan Coast
Venice Gulf
Liverpool Bay
German Bight

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Wide Swath	150	N/A	Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG1_52 : PSI Coastal Areas SAR

Dataset Description: PSI analysis for Water Defence Structure, coastal areas, subsidence monitoring and PSInSAR surface deformation service

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Noord-Beveland, Zeeland, Netherlands; Harlingen, Netherlands; Nijmegen, Netherlands Coastal area, Netherlands; Italy, Emilia Romagna Southern Coast (Rimini Area); Baltic coastal region (3 sites)

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RADARSAT	SAR	Standard, single pol	28	24	Not Ortho	Arch Normal	A	WGS84 UTM
RADARSAT	SAR	Standard, single pol	28	12	Not Ortho	LLT, ND	N	WGS84 UTM
TERRASAR-X	TSX-SAR	Stripmap single pol	3, 6	44	Not Ortho	LLT, ND	N	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Image, Alternate Pol, Wide Swath single pol	30, 150	N/A	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS
ERS	SAR	Image single pol	30	N/A	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_53: Miscellanea applications

Dataset Description: Generic dataset for Envisat and ERS SAR data in support to requests from ALL GSPs requiring additional ESA SAR data

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest:

Global

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Image, Alternate Pol, Wide Swath single pol	30, 150	N/A	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS
ERS	SAR	Image single pol	30	N/A	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG1_54: Enabling access to geological information in support of GMES

Dataset Description: The objective of PanGeo is to enable free and open access to geo-hazard information in support of GMES.

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest:

52 among the Urban Atlas LUZ

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	ASAR	Image, Alternate Pol, Wide Swath single pol	30, 150	N/A	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS
ERS	SAR	Image single pol	30	N/A	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG2-3_01: European wall-to-wall coverage 2009

Dataset Description: Land-cover mapping at European scale for implementation, review and monitoring of EU policies (e.g. water framework directive, biodiversity strategy, common agricultural, regional policies) and also for reporting obligations under international treaties (e.g. the Kyoto Protocol), in line with national land-cover / land use inventories in the Member States.

Ordering mechanism: N/A (predefined)

Area of interest: 38 European states (EEA-38) – see Annex

Temporal extent of dataset: January 2009 to May 2011

Acq window/Mapping frequency: Two coverages during vegetation season in 2009 +/- 1 year

Delivery schedule: Cumulative, at country coverage completion

Delivery mechanism: FTP@CDS

Additional information: Acquisition windows – see Annex
- 1st coverage: narrow/extended acq. windows
- 2nd coverage: 6 weeks apart from narrow/extended acq. windows (reduced to 4 to improve coverage)

- Sun elevation angle > 23° (shadows)
- Incidence/Pointing angle < 30° (distortions)
- Cloud coverage < 5% per country; no haze
- Snow coverage (for northern countries) < 10 % [only with glaciers and perennial snow]

European Space Agency
Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
IRS-P6	LISS III	VNIR + SWIR	20, 25	2 European Coverages without Iceland, Atlantic Islands and DOMs	Ortho	Cum	N or A	1) National 2) European (LAEA)
SPOT-4, SPOT-5	HRVIR,HRG	VNIR + SWIR	20, 25	1-2 coverages Iceland + islands outside Europe and DOMs	Ortho	Cum	N or A	1) National 2) European (LAEA)
ALOS	AVNIR-2	VNIR	10	Any suitable data available to fill gaps	Not Ortho	Cum	N or A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

Dataset Description: Selected sites for the validation of biophysical parameters

Ordering mechanism: N/A (predefined)

Area of interest: Region of +/-15 km around the following European sites: Estonia [58,30° N and 27,26° E], Poland [52,1° N and 16,7° E], Romania [44,41° N and 26,58° E] and France [43,53° N and 4,66° E] in 2009; over Poland (crops) [52,03°N and 16,83°E], Finland (needle leaf forest)[61,85°N and 24,3166°E], France (Deciduous forest) [47.821105° N and 7.455386° E] and France (crops) [43,53°N and 4.66° E] in 2010

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: Monthly (one image per month) in 2009 (from March to December), in 2010 (from March to December) and in 2011 (from March to May)

Delivery schedule: Cumulative, at coverage completion (monthly)

Delivery mechanism: FTP@CDS

Additional information: Cloud10 is standard

Estonia and Romania sites removed starting in March 2010, replaced by sites in Finland and France

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
SPOT4, SPOT5	HRVIR HRG	VNIR+SWIR, VNIR+SWIR	20, 10	N/A	Ortho	LLT, Cum	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description: Coverage of Europes main forest areas

Ordering mechanism: N/A (predefined)

Area of interest (template): European transect Munich-Verona (Forest sub-site: 22,750 km²), European transect Dresden-Prague-Linz (Forest sub-site: 19,279 km²), European transect Thessalonica-Sophia-Romanian border (Forest sub-site: 11,598 km²), Moselle-Sarre River Basin (Forest sub-site: 15,000 km²), Motala River Basin (15,481km²), Northern Boreal Forest in Finland (47.923 km²); Mediterranean Forest in Spain (15.321 km²); Atlantic Forest in South France (11.312 km²); Western European Forest in UK (7.915 km²)

Temporal extent of dataset: 2009-May 2011

Acq window/ Mapping frequency: Three coverages, in 2005, 2009 and 2010

Early July- mid August preferred, alternatively mid June to mid August, not later than mid September

Delivery schedule: Cumulative at coverage completion

Delivery mechanism: FTP@CDS

Additional information: Additional AWIFS quota agreed in Spring 2010, for 166,000 km2 over 9 forest sites

Mission	Instrument	Acquisition mode	Quota	Resolution	Product	Timeliness	New/ Archive	Projection
IRS-P6	AWiFS	VNIR + SWIR	3 coverages	56	Ortho	Cum	N or A	UTM WGS84
IRS-P6	AWiFS	VNIR + SWIR	166,000 km2	56	Ortho	Cum	A	UTM WGS84

Mission	Instrument	Acquisition mode	Quota	Resolution	Product	Timeliness	New/ Archive	Projection
RapidEyeA-E	REIS	VNIR	5 or 6.5	88	5 bands 75*50km Ortho	Arch Normal	A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description: Predefined planning implemented at GCME for raw data availability in the archive. Ordering of the archived data is then performed in the framework of other datasets

Ordering mechanism: N/A

Area of interest: As required by SAFER

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: Defined by GSP but implemented on best effort basis by GCMEs

Delivery schedule: N/A

Delivery mechanism: N/A

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ALOS	PRISM	Pan	2.5	N/A	N/A	LLT	N	N/A
ALOS	AVNIR-2	VNIR	10	N/A	N/A	LLT	N	N/A
RapidEyeA-E	REIS	VNIR	6.5	N/A	N/A	LLT	N	N/A
DMC_UKDMC -2 or DEIMOS-1	SLIM6 or SLIM6 Plus	VNIR	32, 22	N/A	N/A	LLT	N	N/A

European Space Agency
Agence spatiale européenne

Dataset Description: Rapid mapping in response to meteorological, geophysical risks and complex humanitarian crisis

Ordering mechanism: On-demand: SPERF to be sent to GEST Operator

Area of interest: Europe and Mediterranean basin Outside Europe/Rest of World (RoW)

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: Upon event occurrence

Delivery schedule: See [RD - 4] but subject to GCMEs constraints

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket)

Additional information: Within the DMC constellation the second generation 22m data have priority over the first generation 32m.

Mission	Instrument	Acquisition options	Resolution (m)	Quota[8]	Product	Timeliness	New/ Archive	Projection
SPOT-5	HRG	Pan,VNIR, SWIR	5 or 10	40	Pansharp Not Ortho	RUSH3h	A	WGS84 UTM
SPOT-4	HRVIR	VNIR_SWIR	20	20	Not Ortho	RUSH3h	A	WGS84 UTM
SPOT-4	HRVIR	VNIR_SWIR	20	20	Not Ortho	Emergency, NRT	N	WGS84 UTM
SPOT-5	HRG	Pan,VNIR, SWIR	5 or 10	34	Pansharp Not Ortho	Emergency, NRT	N	WGS84 UTM

[8] Quota allocation for emergency datasets is indicative; data requests exceeding the allocated quota are satisfied as much as possible with reserved budget

European Space Agency
Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota[8]	Product	Timeliness	New/ Archive	Projection
RapidEyeA-E	REIS	VNIR	6.5	60	Not Ortho	Emergency, NRT	N	WGS84 UTM
RapidEyeA-E	REIS	VNIR	6.5	60	Not Ortho	RUSH3h	A	WGS84 UTM
DMC_UKDMC-2 or DEIMOS-1	SLIM6PLUS	VNIR	32, 22 (prio)	35	Not Ortho	Emergency, NRT	N	WGS84 UTM
DMC_UKDMC-2 or DEIMOS-1	SLIM6PLUS	VNIR	32, 22 (prio)	15	Not Ortho	RUSH3h	A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description: Land cover & change monitoring (EUROLAND & SATChMo & BioPar) EU High Risks Areas.

Ordering mechanism: N/A (predefined)

Area of interest: EEA-38: Selected Areas – 4 European catchments in 2009 and 5 in 2010/2011 – see Annex

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: 3 data takes during vegetation season in 2009 (March-June-September), 4 in 2010 (March-June-September-December) and 1 in 2011 (March)

Delivery schedule: Cumulative at coverage completion.

Delivery mechanism: FTP@CDS

Additional information: One additional site in 2010

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
SPOT-4, SPOT-5	HRVIR, HRG	VNIR, SWIR	10, 20	8 coverages	Ortho, Pansharp	Cum	N or A	UTM WSG84 except NTF_Lambert II_etendu for Seine-Normandie in 2010
Rapideye	REIS	VNIR	6.5	Gap filling	Ortho	Cum	A	UTM WSG84

European Space Agency
Agence spatiale européenne

DAP_MG2_10 : Overview Reference maps SAFER

Dataset Description: Provision of overview reference maps in support to on demand SAFER user requests

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Africa – including Sub-Saharan, Central and Equatorial Africa, East Africa and Madagascar Latin America – including Ecuador, Bolivia, and Central America such as Nicaragua and Honduras South-East and Central Asia – including Indonesia

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RapidEyeA-E	REIS	VNIR	5 or 6.5	1200	Cloud 10; 5 bands 75*50km Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2_11 : Historical assets maps medium (Europe)

Dataset Description: Provision of speculative historical assets maps in support to on demand SAFER user requests

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Europe – major risk basins Central Europe

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
DMC_UKDMC -2 or DEIMOS-1	SLIM6PLUS	VNIR	22 (prio), 32	0	Cloud 10; Not Ortho	LLT, ND	N	WGS84 UTM
DMC_UKDMC -2 or DEIMOS-1	SLIM6PLUS	VNIR	22 (prio), 32	0	Not Ortho	Arch Normal	A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2_12 : Situation maps HR Optical (Europe & outside Europe)

Dataset Description:	Provision of speculative situation maps in support to on demand SAFER user requests
Ordering mechanism:	On demand: SPDRF form to be sent to SCI Operator
Area of interest:	Africa 7300 km2 (55 maps) - Latin America 1300 km2 (10 maps) - Asia 1300 km2 (10 maps) - Europe
Temporal extent of dataset:	2009- Jan 2011
Acq window/Mapping frequency:	As per GSP request
Delivery schedule:	On a product basis
Delivery mechanism:	FTP@CDS
Additional information:	

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RapidEyeA-E	REIS	VNIR	5 or 6.5	56	Cloud 10; 5 bands 75*50km Ortho	SLT, Fast48h	N	WGS84 UTM
RapidEyeA-E	REIS	VNIR	5 or 6.5	6	5 bands 75*50km Ortho)	Arch48h	A	WGS84 UTM
DMC_UKDMC -2 or DEIMOS- 1	SLIM6PLUS	VNIR	22 (prio), 32	1	Cloud 10; Not Ortho	SLT, Fast48h	N	WGS84 UTM

European Space Agency
Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
SPOT-5	HRG	Pan,VNIR, SWIR	5 or 10	7	Pansharp Not Ortho	Arch Normal	A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description: Fire Monitoring and Burn Scar Mapping Services

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Portugal , Spain , Greece, Italy.

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: Summer periods during/after event occurrence

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: DMC constellation products for this dataset are of 180 x 180 km in size.

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
SPOT-4	HRVIR	VNIR,SWIR	20	44	Cloud 10; Not Ortho	LLT, ND	N	WGS84 UTM
ALOS	AVNIR-2	VNIR	10	N/A	Not Ortho	Arch Normal	A	WGS84 UTM or UPS
LANDSAT-5	TM	VNIR,SWIR	30	N/A	Not Ortho	Arch Normal	A	WGS84 UTM
DMC_UKDMC -2 or DEIMOS- 1	SLIM6PLUS	VNIR	22 (prio), 32	5	Cloud 10; Not Ortho	LLT, ND	N	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description: On-demand mapping of volcanoes in Europe and rest of the world with very high and high resolution Optical data

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: ETNA- Italy , Piton de la Fournaise- France , South America-South Pacific area

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset as per agreement between GSP, ESA and GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RapidEyeA-E	REIS	VNIR	5 or 6.5	60	Cloud 5; 5 bands 75*50km Ortho	RUSH, ND (51) MLT, ND (9) Arch Normal	N or A	WGS84 UTM
DMC_UKDMC -2 or DEIMOS-1	SLIM6PLUS	VNIR	22	0	Cloud 10; l Not Ortho	RUSH, NRT3h Arch24h	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description: On-demand mapping of earthquake prone areas in Europe and in the Rest of the World with very high and high resolution Optical data

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: South Italy, Romania (Vrancea) Mediterranean countries

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset as per agreement between GSP, ESA and GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
DMC_UKDMC -2 or DEIMOS- 1	SLIM6PLUS	VNIR	22 (prio), 32	0	Cloud 10; Not Ortho	RUSH, NRT3h Arch24h	N or A	WGS84 UTM
DMC_UKDMC -2 or DEIMOS- 1	SLIM6PLUS	VNIR	22 (prio), 32	0	Cloud 10; Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2_16 : Crisis indicators (Africa) HR optical

Dataset Description: Monitoring and analysis of crisis indicators services

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: North and South Kivu province in Dem. Rep. of Congo, for three hotspots

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: DMC constellation products for this dataset are of 160 x 160 km size.

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RapidEyeA-E	REIS	VNIR	5	7	Cloud 10; 5 bands 75*50km Ortho	LLT, ND	N	WGS84 UTM
RapidEyeA-E	REIS	VNIR	5	2	5 bands 75*50km Ortho	Arch Normal	A	WGS84 UTM
DMC_UKDMC-2 or DEIMOS-1	SLIM6PLUS	VNIR	22 (prio), 32	36	Cloud 10; Ortho	LLT, ND	N	WGS84 UTM

European Space Agency
Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
DMC_UKDMC -2 or DEIMOS- 1	SLIM6PLUS	VNIR	22 (prio), 32	0	Ortho	Arch Normal	A	WGS84 UTM
SPOT-5	HRG	Pan,VNIR	5	2	Pansharp	Arch Normal	A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2_17 : Critical assets monitoring & assessment HR optical

Dataset Description: Critical assets monitoring & assessment services for humanitarian camps

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Africa: DR Congo –Kinshasa region-, Great Lakes Area, Somalia, Chad-Sudan, Angola, Nigeria (Niger delta), Algeria, Tanzania-Congo-Burundi borders Asia: Iraq, Kuwait. Black sea –Odessa port. Ukraine, Georgia, Baku-Tbilisi-Ceyhan pipeline Eastern Europe: Bulgaria- Sofia region South America: Colombia, (Lower Magdalena River in areas of Barranca Bermeja, Cartagena de Indias)

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset as per agreement between GSP, ESA and GCMEs
During the period Dec 2009 – Feb 2010, the Spot-4 platform was unavailable therefore some SPOT-5 data were distributed in replacement

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
SPOT-4	HRVIR	VNIR,SWIR	10, 20	16	Cloud 10; Pansharp Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
DMC_UKDMC-2 or DEIMOS-1	SLIM6PLUS	VNIR	22 (prio), 32	21	Cloud 10; Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM
DMC_UKDMC-2 or DEIMOS-1	SLIM6PLUS	VNIR	22 (prio), 32	2	Cloud 10; Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM
SPOT-4	HRVIR	VNIR,SWIR	10, 20	2	Cloud 10; Pansharp Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description: Monitoring of illegal mining and timber logging activities

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Africa: North and South Kivu provinces in Congo

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset as per agreement between GSP, ESA and GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RapidEyeA-E	REIS	VNIR	5 or 6.5	17	Cloud 10; 5 bands 75*50km Ortho	LLT , ND Arch Normal	N or A	WGS84 UTM
DMC_UKDMC -2 or DEIMOS-1	SLIM6PLUS	VNIR	22 (prio), 32	13	Cloud 10; Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2_19 : Illicit crops (North Africa and/or Columbia) HR optical

Dataset Description: Identification and monitoring of illicit crop sites with HR optical data with mapping frequency of 6 months

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Columbia and/or Peru

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset as per agreement between GSP, ESA and GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
FORMOSAT-2	RSI	VNIR	8	5	Cloud 10; Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM
Proba	CHRIS	VNIR	18 or 36	as required (range of 3-4 new acquisitions per year)	L1A	LLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description: Regular monitoring of migration routes and temporary settlements using optical data (every 3 months) and SAR data (weekly per test site in March, June, September and December per year)

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Priorities: 1: Chad (Border to Nigeria AND Border to Sudan) 2: Eastern Congo border 3: Border between Liberia and Sierra Leone 4: Eastern EC border 5: Libyan maritime border

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset as per agreement between GSP, ESA and GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
SPOT-5	HRG	Pan,VNIR, SWIR	5	26	Cloud 10; Pansharp Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM
SPOT-5	HRG	Pan,VNIR, SWIR	2.5	3	Cloud 10; Pansharp Not ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2_23 : Terrain analysis and mobility assessment HR optical

Dataset Description: Emergency terrain analysis and mobility assessment

Ordering mechanism: On-demand: SPERF to be sent to GEST Operator

Area of interest: Outside EU. High probability on Africa

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: Two to three activations per year

Delivery schedule: On a product basis

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket)

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and both GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RapidEyeA-E	REIS	VNIR	6.5	4	Cloud 10; 5 bands 75*50km Not Ortho	Emergency, NRT Arch24h	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2_24 : Logistic and deployment operations HR optical

Dataset Description: Emergency monitoring of logistic and deployment operations

Ordering mechanism: On-demand: SPERF to be sent to GEST Operator

Area of interest: Outside EU. High probability on Africa (capital of unstable countries or other area of interest)

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: Two to three activations per year

Delivery schedule: On a product basis

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket)

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and both GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RapidEyeA-E	REIS	VNIR	6.5	5	Cloud 10; 5 bands 75*50km Not Ortho	Emergency, NRT Arch24h	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2_25 : Seasonal/annual Land Change(LC) monitoring Africa selected areas (HR)

Dataset Description: Seasonal/annual land change monitoring: Africa selected areas (HR) (2009-2010)

Ordering mechanism: N/A (predefined)

Area of interest: Sub-Saharan countries (24.3 Mio km2) + related 1 degree confluence points (2046-2500) at 20 x 20 km IGAD in 2009, tropical Africa in 2009/2010, all other countries in 2010 – see Annex

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: One coverage per country and confluence point

Delivery schedule: Cumulative at country coverage completion and by batches for confluence points.

Delivery mechanism: FTP@CDS or media

Additional information: Acquired as full country coverages, expected at least 80% cloud-free per country. Confluence points expected at cloud-free0, clouds permitting. Ortho base: SRTM & Landsat 2000. New Ref version may be used from time of supply by GSP +2 months.

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
DMC_UKDMC -2 or DEIMOS-1	EISI or SLIM6 PLUS	VNIR	22 (prio), 32	48 countries = 24.3 Mkm2 + 2046(-2500) sites at 20*20km	Ortho	LLT, Cum	N or A	WGS84 UTM
ALOS	AVNIR-2	VNIR	10	N/A	Not Ortho	Cum	A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RapidEyeA-E	REIS	VNIR	5 or 6.5	80	5 bands 75*50km Ortho	Arch Normal	A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2_26 : Refugee camps worldwide HR optical

Dataset Description: Monitoring service of refugee camps worldwide

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Africa: Congo, Somalia, Kenya, Sudan, Chad, Tanzania, Cameroon, Algeria, Latin America: Argentina, Ecuador, Brazil, Peru Other: where refugee camp population is greater than 30,000 e.g. Afghanistan, Azerbaijan

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
DMC_UKDMC-2 or DEIMOS-1	SLIM6PLUS	VNIR	22 (prio), 32	0	Cloud 10; Not Ortho	LLT, ND	N	WGS84 UTM
DMC_UKDMC-2 or DEIMOS-1	SLIM6PLUS	VNIR	22 (prio), 32	0	Not Ortho	Arch Normal	A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2_27 : Service Validation HR optical

SAFER

Dataset Description: Service validation in support of SAFER service outputs on a sample basis

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Same areas for which SAFER service outputs are generated

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset as per agreement between GSP, ESA and GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RapidEyeA-E	REIS	VNIR	6.5	15	Cloud 10; 5bands75*50km Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM
SPOT-5	HRG	Pan,VNIR	5, 10	2	Bundle	Arch Normal	A	WGS84 UTM

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European Space Agency
Agence spatiale européenne

DAP_MG2_28 : Damage assessment for post conflict situation (Global) HR optical

Dataset Description: Assessment service of damage status after conflicts

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Global

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RapidEyeA-E	REIS	VNIR	6.5	1	Cloud 10; 5 bands 75*50km Ortho	MLT, ND	N	WGS84 UTM
RapidEyeA-E	REIS	VNIR	6.5	1	5 bands 75*50km Ortho	Arch Normal	A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description:	Risk Assessment Services
Ordering mechanism:	On demand: SPDRF form to be sent to SCI Operator
Area of interest:	Global
Temporal extent of dataset:	2009-Jan 2011
Acq window/Mapping frequency:	As per GSP request
Delivery schedule:	On a product basis
Delivery mechanism:	FTP@CDS
Additional information:	Both archived and new data can be requested within this dataset as per agreement between GSP, ESA and GCME

Mission	**Instrument**	**Acquisition options**	**Resolution (m)**	**Quota**	**Product**	**Timeliness**	**New/ Archive**	**Projection**
SPOT-5	HRG	Pan,VNIR, SWIR	5, 10,20	6	Cloud 10; Pansharp Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency

Agence spatiale européenne

DAP_MG2_30 : Emergency Rapid mapping in HR Optical for maritime safety applications

Dataset Description: Emergency Rapid mapping in HR Optical for maritime applications (oil spill monitoring and polluter identification)

Ordering mechanism: On-demand: SPERF to be sent to GEST Operator

Area of interest: All European Seas (Atlantic, Baltic, Black, Mediterranean and North Seas). Areas outside EU waters may be addressed in case of EC and EU Member States interest

Temporal extent of dataset: 2010-May 2011

Acq window/Mapping frequency: Upon event occurrence

Delivery schedule: See [RD - 4] but subject to GCMEs constraints

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket)

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
SPOT-4	HRVIR	VNIR_SWIR	20	N/A	Cloud 10; Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM
SPOT-5	HRG	Pan,VNIR, SWIR	5 or 10	N/A	Cloud 10; Pansharp ,Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
DMC_UKDMC -2 or DEIMOS-1	SLIM6PLUS	VNIR	32, 22	N/A	Cloud 10; Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM
RapidEyeA-E	REIS	VNIR	6.5	N/A	Cloud 5; 5bands75*50k m Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2_31 : Water Quality Monitoring HR Optical

Dataset Description: Water Quality Information services for water framework directive reporting, bathing water monitoring, aquaculture monitoring, large scale marine infrastructure and algal bloom warning

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: EEA 32: Baltic Sea, North Sea, North-East Atlantic, Mediterranean Sea, Black Sea

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Spot-5 Spot-4	HRG HRVIR	VNIR, SWIR	10	5	Cloud 10; Pansharp Not Ortho	LLT, ND	N	WGS84 UTM
Proba	CHRIS	VNIR	18 or 36	as required	L1A	LLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2_32 : Soil moisture for Water Defence Structure Monitoring HR Optical

Dataset Description: Monitoring of soil moisture

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest:

Noord-Beveland, Zeeland, Netherlands
Harlingen, Netherlands
Nijmegen, Netherlands

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Proba	CHRIS	VNIR	18 or 36	as required (range of 6-8 products)	L1A	LLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description:

Detection, mapping, monitoring and forecasting of ground deformations, at different temporal and spatial scales, and in various physiographic and environmental settings

Ordering mechanism:

On demand: SPDRF form to be sent to SCI Operator

Area of interest:

Central Umbria (Italy); Dolomiti (Italy); Hungarian lowland (Hungary)
Silesian Coal Basin (Poland); Palma de Mallorca (Spain); Zermatt (Switzerland); St. Moritz (Switzerland)

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
LANDSAT-5	TM	VNIR,SWIR	30	N/A	Not Ortho	Arch Normal	A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2_35 : Science based remote sensing services to support REDD and sustainable forest management in tropical region – HR Optical

Dataset Description: Development of service capabilities to support fighting deforestation and forest degradation in the tropical region

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Tropical Region

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ALOS	AVNIR-2	VNIR	10	N/A	Not Ortho	Arch Normal	A	WGS84 UTM or UPS

European Space Agency
Agence spatiale européenne

DAP_MG2_36 : CleanSeaNet and EMSA maritime surveillance services - HR optical

Dataset Description: Surveillance services for oil spill monitoring and polluter identification

Ordering mechanism: On demand: SPERF or SPDRF form to be sent to GEST/SCI Operator

Area of interest: All European Seas (Atlantic, Baltic, Black, Mediterranean and North Seas). Areas outside EU waters may be addressed in case of EC and EU Member States interest

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: As per application scenario

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket) in case of emergency, FTP@CDS if normal tasking

Additional information: EMSA/ESA agreement

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
SPOT-4	HRVIR	VNIR, SWIR	20	N/A	NTC	Emergency or SLT, NRT RUSH3h	N or A	WGS84 UTM
SPOT-5	HRG	Pan, VNIR, SWIR	5 or 10	N/A	NTC	Emergency or SLT, NRT RUSH3h	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description: Development of a pilot system for geo-information maps of wetlands sites of the Mediterranean Sea from Morocco to Turkey

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Mediterranean wetlands sites

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RapidEyeA-E	REIS	VNIR	5 or 6.5	300	5 bands 75*50km Ortho	Arch Normal	A	WGS84 UTM

European Space Agency

Agence spatiale européenne

DAP_MG2_38 : Miscellaneous Rapideye contribution - HR optical

Dataset Description: Rapideye contribution to several Projects having expressed interest

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Global

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: List of eligible projects : FRESHMON, HLANDATA , AQUAMAR, MARCOAST, MS-MONINA, ESA GSE FM-REDD, REDDAF, EUFODOS

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RapidEyeA-E	REIS	VNIR	5 or 6.5	200	5 bands 75*50km Ortho	Arch Normal	A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2b_01 : European Urban Atlas 2009

Dataset Description:	Mapping for city planning at local scale
Ordering mechanism:	N/A (predefined)
Area of interest:	318 European cities – see Annex
Temporal extent of dataset:	2009-May 2011
Acq window/Mapping frequency:	One coverage
Delivery schedule:	Cumulative upon LUZ coverage completion
Delivery mechanism:	FTP@CDS
Additional information:	Delivery schedule order to be agreed with GSP. Each LUZ covered at least 95% (cloudfree). LUZ covered either single sensor or multi-sensors (number in quota indicates contribution). RMS ~ 10m on average (where accurate Reference data available).

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ALOS	PRISM	Pan	2.5	61(+) cities/LUZ	Ortho	Cum	A (2006-2009)	WGS84 UTM or UPS
SPOT5	HRG	Pan, VNIR+SWIR	2.5, 10	32 cities/LUZ	Ortho pansharp and/or bundle	Cum	N (2009)	WGS84 UTM
ALOS	AVNIR-2	VNIR	10	61(+) cities/LUZ	Ortho	Cum	A (2006-2009)	WGS84 UTM or UPS

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
SPOT-5	HRG	Pan, VNIR+SWIR	2.5, 10	239 European cities and Larger Urban Zones	Ortho, pansharp and/or bundle	Cum	A (2004-2008)	WGS84 UTM
Quickbird	BGIS2000	VNIR	2.5	7 cities/LUZ (London, Liverpool, Tours, Gozo, Funchal, Portsmouth, Lincoln)	Not Ortho	Cum	A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2b_02 : European Urban Atlas 2009 Optical

Dataset Description: Mapping for city planning at local scale

Ordering mechanism: N/A (predefined)

Area of interest: Wien, Liège, Sofia, Lefkosia, Praha, Erfurt, Kobenhagen, Tallinn, Seville, Turku, Bordeaux, Thessaloniki, Budapest, Dublin, Bari, Vilnius, Luxembourg, Riga, Valletta, Amsterdam, Gdansk, Lisbon, Bucuresti, Stockholm, Ljubljana, Bratislava, Edinburgh

Temporal extent of dataset: 2009/2010

Acq window/Mapping frequency: One coverage

Delivery schedule: Cumulative upon LUZ coverage completion

Delivery mechanism: FTP@CDS

Additional information: Each LUZ covered at least 95% (cloudfree). LUZ covered either single sensor or multi-sensors. RMS ~ 10m on average (where accurate Reference data available).

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
SPOT-5	HRG	Pan, VNIR+SWIR	2.5, 10	27 cities/LUZ	Ortho, pansharp and/or bundle	Cum	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description: Area Frame Sampling for validation and verification for Land Cover, yearly tracking (Forest).

Ordering mechanism: N/A (predefined)

Area of interest: 9 European regions with each 10 mini sites inside – see Annex

Temporal extent of dataset: December 2008 up to May 2011

Acq window/Mapping frequency: One coverage in 2006 +/- 2 years (i.e. 2004 – 2008)

Delivery schedule: At coverage completion

Delivery mechanism: FTP@CDS

Additional information: Ortho L3 can be provided at the required accuracy if GSP supplies DEM and GCP.
Without GCPs ~30m accuracy. 42 sites (each with cloud cover < 10%)
EROS A-B acquisition interrupted in November 2009; new IKONOS quota allocated to dataset

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
EROS A or EROS B (prio)	CCD or CCD/TDI	Pan	0.7 or 1.9	4500 km2	Ortho	MLT, Cum	N	WGS84 UTM
EROS A or EROS B (prio)	CCD or CCD/TDI	Pan	0.7 or 1.9	2250 km2	Ortho	Cum	A	WGS84 UTM
IKONOS	OSA	Pan, VNIR	4	2500 Km2	Geo Ortho Kit, Bundle	Cum	A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2b_04: Emergency Background reference mapping in VHR Optical

Dataset Description: Predefined planning implemented at GCME for raw data availability in the archive. Ordering of the archived data is then performed in the framework of other datasets

Ordering mechanism: N/A

Area of interest: As required by SAFER

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: Defined by GSP but implemented on best effort basis by GCME

Delivery schedule: N/A

Delivery mechanism: N/A

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ALOS	PRISM	Pan	2.5	N/A	N/A	LLT	N	N/A
EROS A or EROS B (prio)	CCD/CCD,TDI	Pan	0.7 or 1.9	N/A	N/A	LLT	N	N/A
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan VNIR	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	N/A	N/A	LLT	N	N/A

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
IRS-P5 Cartosat	PAN_A,PAN_F	Pan	1	N/A	N/A	LLT	N	N/A

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Dataset Description: Rapid mapping in response to meteorological, geophysical risks and complex humanitarian crisis

Ordering mechanism: On-demand: SPERF to be sent to GEST Operator

Area of interest: Europe and Mediterranean basin Outside Europe/Rest of World (RoW)

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: Upon event occurrence

Delivery schedule: See [RD - 4] but subject to GCMEs constraints

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket)

Additional information: *Emergency tasking from the Kompsat-2 and Formosat-2 satellites are proposed if possible and will be accounted under the Spot quota.

Additional 2 New products equivalent of 100 km2 were provided by EUSI

Mission	Instrument	Acquisition options	Resolution (m)	Quota[9]	Product	Timeliness	New/ Archive	Projection
EROS A or EROS B (prio)	CCD/ CCD,TDI	Pan	0.7 or 1.9	0 km2	Not Ortho	Emergency, NRT	N	WGS84 UTM
SPOT-5	HRG	VNIR, Pan	2.5	48	Pansharp, Not Ortho	Emergency, NRT	N	WGS84 UTM

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[9] Quota allocation for emergency datasets is indicative; data requests exceeding the allocated quota are satisfied as much as possible with reserved budget

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Mission	Instrument	Acquisition options	Resolution (m)	Quota[9]	Product	Timeliness	New/ Archive	Projection
KOMPSAT-2	MSC	Pan, VNIR	1, 4	see additional info	Not Ortho, No Bundle	Emergency, NRT or ND*	N	WGS84 UTM
FORMOSAT-2	RSI	Pan, VNIR	2, 8	see additional info	Not Ortho, No Bundle	Emergency, NRT or ND*	N	WGS84 UTM
SPOT-5	HRG	VNIR, Pan	2.5	42	Pansharp, Not Ortho	RUSH3h	A	WGS84 UTM
FORMOSAT-2	RSI	Pan, VNIR	2	see additional info	Not Ortho No Bundle	RUSH3h or Arch Normal*	A	WGS84 UTM
KOMPSAT-2	MSC	Pan, VNIR	1	see additional info	Not Ortho No Bundle	RUSH3h or Arch Normal*	A	WGS84 UTM
EROS A or EROS B (prio)	CCD/ CCD,TDI	Pan	0.7 or 1.9	0 km2	Not Ortho	RUSH3h	A	WGS84 UTM
DCM_Bejing-1 (prio) or TOPSAT-1	HRPAN/ RALCam	Pan, VNIR	4 or 2.8	0	Not Ortho	Emergency, NRT	N	WGS84 UTM
DCM_Bejing-1 (prio) or TOPSAT-1	HRPAN/ RALCam	Pan, VNIR	4 or 2.8	0	Not Ortho	RUSH3h	A	WGS84 UTM
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	6000 km2	Pansharp, Bundle, Not Ortho	Emergency, NRT3h	N	WGS84 UTM

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Mission	Instrument	Acquisition options	Resolution (m)	Quota[9]	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	3500 km2	Pansharp, Bundle, Not Ortho	RUSH3h	A	WGS84 UTM
ALOS	PRISM	Pan	2.5	N/A	Not Ortho	RUSH3h or Arch Normal	A	WGS84 UTM or UPS
WorldView-1/2	WV110	Pan,VNIR,	0.5, 1.8	2 **	Pansharp, Bundle, Not Ortho	Emergency, NRT	N	WGS84 UTM

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European Space Agency
Agence spatiale européenne

DAP_MG2b_08: Tactical Reference maps - large scale

SAFER

Dataset Description: Provision of speculative tactical reference maps in support to on demand SAFER user requests

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Africa – including Sub-Saharan, Central and Equatorial Africa, East Africa and Madagascar ; Latin America – including Ecuador, Bolivia; Central America such as Nicaragua and Honduras ; South-East and Central Asia – including Indonesia

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	811 km2	Cloud 20; Pansharp, Bundle, Not Ortho	LLT, ND	N	WGS84 UTM

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	5783 km2	Pansharp, Bundle, Not Ortho	Arch Normal	A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2b_09: Historical assets maps large (Europe)

Dataset Description: Provision of speculative historical assets maps in support to on demand SAFER user requests

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Europe

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	2480 km2	Cloud 20; Pansharp Bundle Not Ortho	LLT, ND	N	WGS84 UTM
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	2126 km2	Pansharp Bundle Not Ortho	Arch Normal	A	WGS84 UTM

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EROS A or EROS B (prio)	CCD/ CCD,TDI	Pan	0.7 or 1.9	4000 km2	Not Ortho	LLT, ND	N	WGS84 UTM
EROS A or EROS B (prio)	CCD/ CCD,TDI	Pan	0.7 or 1.9	1930 km2	Not Ortho	Arch Normal	A	WGS84 UTM
DCM_Bejing-1 (prio) or TOPSAT-1	HRPAN/ RALCam	Pan, VNIR	4 or 2.8	20	Not Ortho	LLT, ND	N	WGS84 UTM
DCM_Bejing-1 (prio) or TOPSAT-1	HRPAN/ RALCam	Pan, VNIR	4 or 2.8	5	Not Ortho	Arch Normal	A	WGS84 UTM

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DAP_MG2b_10: Situation maps VHR Optical (Europe & outside Europe)

Dataset Description: Provision of speculative situation maps in support to on demand SAFER user requests

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Africa, Latin America, Asia, Europe

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	1536 km2	Cloud 20; Pansharp Bundle Not Ortho	MLT, FAST48h	N	WGS84 UTM
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	600 km2	Pansharp Bundle Not Ortho	Arch Normal	A	WGS84 UTM

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Dataset Description: Monitoring service of refugee camps worldwide

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Africa:Congo, Somalia, Kenya, Sudan, Chad, Tanzania, Cameroon, Algeria

      Latin America: Argentina, Ecuador, Brazil, Peru

      Other: where refugee camp population is greater than 30,000 e.g. Afghanistan, Azerbaijan

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
KOMPSAT-2	MSC	Pan,VNIR	1	0	Cloud10; Not Ortho No Bundle	MLT, ND	N	WGS84 UTM
KOMPSAT-2	MSC	Pan,VNIR	1	0	Not Ortho No Bundle	Arch Normal	A	WGS84 UTM

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	4138 km2	Cloud 20; Pansharp Bundle Not Ortho	MLT, ND	N	WGS84 UTM
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	2500 km2	Pansharp Bundle Not Ortho	Arch Normal	A	WGS84 UTM

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Dataset Description: On-demand mapping of volcanoes in Europe with very high and high resolution Optical data

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Italy: ETNA, France: Piton de la Fournaise

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and both GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	1068 km2	Cloud 20; Pansharp Bundle Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	0 km2	Cloud 20; Pansharp Bundle Not Ortho	RUSH, NRT3h Arch24h	N or A	WGS84 UTM
EROS A or EROS B (prio)	CCD/CCD,TDI	Pan	0.7 or 1.9	239 km2	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM
EROS A or EROS B (prio)	CCD/CCD,TDI	Pan	0.7 or 1.9	0 km2	Not Ortho	RUSH, NRT3h Arch24h	N or A	WGS84 UTM

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DAP_MG2b_13: Earthquakes Europe/RoW VHR Optical

SAFER

Dataset Description: On-demand mapping of earthquake prone areas in Europe and in the Rest of the World with very high and high resolution Optical data

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: South Italy, Romania

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCMEs.

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	949 km2	Cloud 20; Pansharp Bundle Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	0 km2	Cloud 20; Pansharp Bundle Not Ortho	RUSH, NRT3h Arch24h	N or A	WGS84 UTM
EROS A or EROS B (prio)	CCD/CCD,TDI	Pan	0.7 or 1.9	0 km2	Not Ortho	RUSH, NRT3h Arch24h	N or A	WGS84 UTM

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DAP_MG2b_14: Landslide monitoring & Inventory Mapping VHR Optical (Mediterranean, Alpine, Eastern Europe)

SAFER

Dataset Description: Continuous landslide prone areas monitoring & inventory mapping

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: 1)Italy, Calabria Region (2009) 2)Austria, Lower Austria (2009): 3)Italy/Austria, South Tyrol (2010) 4)Slovakia, (2009): 5)Italy, Molise/Puglia Region (2010)

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	547 km2	Cloud 20; Pansharp Bundle Not Ortho	LLT, ND	N	WGS84 UTM

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	369 km2	Pansharp Bundle Not Ortho	Arch Normal	A	WGS84 UTM
EROS A or EROS B (prio)	CCD/CCD,TDI	Pan	0.7 or 1.9	464 km2	Not Ortho	Arch Normal	A	WGS84 UTM
SPOT5	HRG	Pan,VNIR	2.5	3	Cloud 10; Pansharp Not Ortho	Arch Normal	A	WGS84 UTM

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DAP_MG2b_15: Rapid Landslide mapping Optical (Europe)

Dataset Description: On demand rapid Landslide mapping service

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Europe

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	0 km2	Cloud 20; Pansharp Bundle Not Ortho	RUSH, NRT	N	WGS84 UTM
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	0 km2	Pansharp Bundle Not Ortho	RUSH3h	A	WGS84 UTM

DAP_MG2b_16: Nuclear sites/facilities monitoring VHR optical

Dataset Description: Monitoring of nuclear sites/facilities service with VHR Optical.
Restraint dataset

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Nuclear test site P.R. of North Korea: Yongbyon

Temporal extent of dataset: 2009- May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	1500 km2	Cloud 20; Pansharp Bundle Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR, Stereo	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	600 km2	Cloud 20; Pansharp Bundle Stereo Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

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DAP_MG2b_17: Crisis indicators (Africa) VHR optical

Dataset Description: Monitoring and analysis of crisis indicators services

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: North and South Kivu province in DRC

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
EROS A or EROS B (prio)	CCD/CCD,TDI	Pan	0.7 or 1.9	200 km2	Not Ortho	Arch Normal	A	WGS84 UTM
EROS A or EROS B (prio)	CCD/CCD,TDI	Pan	0.7 or 1.9	200 km2	Not Ortho	LLT , ND	N	WGS84 UTM
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR	0.5,0.6,0.8,1.6, 1.8,2.5,3.3 m	200 km2	Pansharp Bundle Not Ortho	Arch Normal	A	WGS84 UTM

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DAP_MG2b_18: Critical assets monitoring & assessment VHR optical

Dataset Description: Monitoring and assessment of critical assets services

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Africa: DR Congo Kinshasa region, Great Lakes Area, Somalia, Chad Sudan, Angola, Nigeria (Niger delta), Algeria, Tanzania Congo Burundi borders; Asia: Iraq, Kuwait. Black sea Odessa port .Ukrania, Georgia, Baku Tbilisi Ceyhan pipeline; Eastern Europe: Bulgaria Sofia region South America: Colombia, (Lower Magdalena River in areas of Barranca Bermeja, Cartagena de Indias)

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: The data offer was changed from Imagesat to e-GEOS in order to include Multispectral + Panchromatic data as agreed by ESA

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
EROS A or EROS B (prio)	CCD/CCD,TDI	Pan	0.7 or 1.9	0 km2	Not Ortho	LLT , ND	N	WGS84 UTM
EROS A or EROS B (prio)	CCD/CCD,TDI	Pan	0.7 or 1.9	0 km2	Not Ortho	LLT , ND	N	WGS84 UTM

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR	0.5,0.6,0.8,1.6, 1.8,2.5,3.3 m	4000 km2	Cloud 20; Pansharp Bundle Not Ortho	LLT, ND	N	WGS84 UTM

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DAP_MG2b_19: Illegal mining/timber logging (Congo) VHR optical

Dataset Description: Monitoring of illegal mining and timber logging activities

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Africa: North and South Kivu provinces in Congo

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	3600 km2	Cloud 20; Pansharp Bundle Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

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DAP_MG2b_20: Illicit crops (North Africa and/or Columbia) VHR optical

Dataset Description: Identification and monitoring of illicit crop sites with HR and VHR optical data with mapping frequency of 6 months

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Columbia AND/OR Peru

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
KOMPSAT-2	MSC	Pan, VNIR	1, 4	18	Cloud 10; Pansharp Not Ortho No Bundle	LLT, ND Arch Normal	N or A	WGS84 UTM

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DAP_MG2b_21: Monitoring of (military) activities and border crossings (Africa, Eastern EC border, indonesia) VHR optical

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Dataset Description: Monitoring services of (military) activities and border crossings

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Priorities: 1: Eastern EC border (2 hot spots) 2: Chad (Border to Nigeria AND Border to Sudan) 3: Eastern Congo border 4: Border between Liberia and Sierra Leone

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset as per agreement between GSP, ESA and GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
EROS A or EROS B (prio)	CCD/CCD,TDI	Pan	0.7 or 1.9	2157 km2	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

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DAP_MG2b_22: Long range migration routes and temporary settlements VHR optical

Dataset Description: Monitoring services along long range migration routes and temporary settlements

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Priorities: 1: Chad (Border to Nigeria AND Border to Sudan) 2: Eastern Congo border 3: Border between Liberia and Sierra Leone 4: Eastern EC border 5: Libyan maritime border

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset as per agreement between GSP, ESA and GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
EROS A or EROS B (prio)	CCD/CCD,TDI	Pan	0.7 or 1.9	205 km2	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

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DAP_MG2b_23: Contingency plan preparation VHR optical

Dataset Description: Basic layers and change detection analysis on critical infrastructures affecting emergency plans

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Africa: DCR, Great Lakes Area, Somalia, Chad-Sudan, Angola. Asia: Iran, Iraq, Kuwait, Pakistan-Afghanistan. Eastern Europe: Caucasus, Ukraine, Moldavia

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
KOMPSAT-2	MSC	Pan, VNIR	1, 4	4	Cloud 10; Pansharp Not Ortho No Bundle	ND Arch Normal	N or A	WGS84 UTM
EROS A or EROS B (prio)	CCD/CCD,TDI	Pan	0.7 or 1.9	1000 km2	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR, ,Stereo	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	1000 km2	Cloud 20; Pansharp Bundle Stereo Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

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DAP_MG2b_24: Terrain analysis and mobility assessment VHR optical

Dataset Description: Emergency terrain analysis and mobility assessment

Ordering mechanism: On-demand: SPERF to be sent to GEST Operator

Area of interest: Outside EU. High probability on Africa

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: Two to three activations per year

Delivery schedule: See [RD - 4] but subject to GCMEs constraints

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket)

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota[10]	Product	Timeliness	New/ Archive	Projection
SPOT5	HRG	Pan,VNIR	2.5	4	Cloud 10; Pansharp Not Ortho	Emergency, NRT Arch24h	N or A	WGS84 UTM
EROS A or EROS B (prio)	CCD/CCD,TDI	Pan	0.7 or 1.9	0 km2	Ortho	Emergency, NRT	N or A	WGS84 UTM

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[10] Quota allocation for emergency datasets is indicative; data requests exceeding the allocated quota are satisfied as much as possible with reserved budget

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DAP_MG2b_25: Logistic and deployment operations VHR optical

Dataset Description:	Emergency monitoring of logistic and deployment operations
Ordering mechanism:	On-demand: SPERF to be sent to GEST Operator
Area of interest:	Outside EU. High probability on Africa
Temporal extent of dataset:	2009-May 2011
Acq window/Mapping frequency:	Two to three activations per year
Delivery schedule:	See [RD - 4] but subject to GCMEs constraints
Delivery mechanism:	FTP@GCM and FTP@CDS (emergency basket)
Additional information:	Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCMEs Additional 30 WV-2 products provided by EUSI

Mission	**Instrument**	**Acquisition options**	**Resolution (m)**	**Quota[11]**	**Product**	**Timeliness**	**New/ Archive**	**Projection**
SPOT5	HRG	Pan,VNIR	2.5	5	Cloud 10; Pansharp Not Ortho	Emergency, NRT	N	WGS84 UTM

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[11] Quota allocation for emergency datasets is indicative; data requests exceeding the allocated quota are satisfied as much as possible with reserved budget

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Mission	Instrument	Acquisition options	Resolution (m)	Quota[11]	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	5000 km2	Cloud 20; Pansharp Bundle Not Ortho	Emergency, NRT	N	WGS84 UTM
Worldview-1/2	WV110	Pan,VNIR	0.8, 1.6	30	Cloud 20; Pansharp Bundle Not Ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM

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DAP_MG2b_26: Damage assessment for post conflict situation (Global) VHR optical

Dataset Description: Assessment service of damage status after conflicts

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Global

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	0 km2	Cloud 20; Pansharp Bundle Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR, Stereo	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	100 km2	Cloud 20; Pansharp Bundle Stereo Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

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DAP_MG2b_27: Support reconstruction missions after conflicts (Global) VHR optical

Dataset Description: Survey service in support to reconstruction missions after conflicts

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Global

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	400 km2	Cloud 20; Pansharp Bundle Not Ortho	LLT, ND	N	WGS84 UTM
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	300 km2	Pansharp Bundle Not Ortho	Arch Normal	A	WGS84 UTM

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR, Stereo	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	200 km2	Cloud 20; Pansharp Bundle Stereo Not Ortho	LLT, ND	N	WGS84 UTM
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	100 km2	Pansharp Bundle Stereo Not Ortho	Arch Normal	A	WGS84 UTM

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DAP_MG2b_28 : AFS for validation and verification for Land Cover (yearly)

Dataset Description: Monitoring of seasonal and annual change at European scale to produce high resolution land cover maps describing bio-geophysical information.

Ordering mechanism: N/A (predefined)

Area of interest: EU-27 selected areas. Demonstration sites for AFS covering 5-10% of LUCAS stratified samples – see Annex

Temporal extent of dataset: December 2008 to May 2011

Acq window/Mapping frequency: Two coverages, according to the following acquisition windows in 2009, 2010 and 2011:
1st period: March, April, May
2nd period: June, July, August

Delivery schedule: Cumulative, by batches

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
KOMPSAT-2, FORMOSAT-2	MSC, RSI	Pan, VNIR	1, 4 2,8	360	Bundle, Ortho	LLT, ND	N	UTM/WGS84
SPOT-5	HRG	VNIR+SWIR	2.5	7	Pansharp, Ortho	Arch Normal	A	UTM/WGS84
RapidEyeA-E	REIS	VNIR	5 or 6.5	4	5 bands 75*50km Ortho	Arch Normal	A	WGS84 UTM

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Dataset Description: Validation and verification for Land Cover (VHR, 2009, 2010)

Ordering mechanism: N/A (predefined)

Area of interest: Europe (EU-05, EU-06, EU-07)

Temporal extent of dataset: 2009-May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: Cumulative at coverage completion

Delivery mechanism: FTP@CDS

Additional information: Cloud20% max cloud level guaranteed. For Ortho products GCPs/DEM required

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan, Ms	0.5, 0.6, 0.8, 1.6, 1.8	5200 km2	Pansharp or Bundle, Ortho	LLT, ND	N	WGS84 UTM
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan, MS	0.5, 0.6, 0.8, 1.6, 1.8	3473 km2	Pansharp or Bundle, Ortho	Arch Normal	A	WGS84 UTM

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DAP_MG2b_30: Plain Flood Risk Management VHR Optical

Dataset Description:	Risk Management services of plain floods events
Ordering mechanism:	On demand: SPDRF form to be sent to SCI Operator
Area of interest:	W-Romania, West-Central Bulgaria, North-Central Bulgaria
Temporal extent of dataset:	2009-Jan 2011
Acq window/Mapping frequency:	As per GSP request
Delivery schedule:	On a product basis
Delivery mechanism:	FTP@CDS
Additional information:	Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	0 km2	Pansharp Bundle Not Ortho	MLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2b_31: Real time shallow landslide forecasting VHR optical

Dataset Description: Real time monitoring over possible target areas for shallow landslides

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Italy

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	100 km2	Cloud 20; Pansharp Bundle Not Ortho	RUSH, NRT3h	N	WGS84 UTM
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	100 km2	Pansharp Bundle Not Ortho	Rush3h	A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2b_32: Service Validation VHR optical

Dataset Description: Service validation in support of SAFER service outputs on a sample basis

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Same areas for which SAFER service outputs are generated

Temporal extent of dataset: 2009-15 Feb 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
EROS A or EROS B (prio)	CCD/CCD,TDI	Pan	0.7 or 1.9	300 km2	Not ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2b_33: Support reconstruction missions after conflicts (Global) HR optical

Dataset Description: Survey service in support to reconstruction missions after conflicts

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Global

Temporal extent of dataset: 2009- Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
RapidEyeA-E	REIS	VNIR	5 or 6.5	2	Cloud 10; 5Band 75*50 km Ortho	LLT, ND	N	WGS84 UTM
RapidEyeA-E	REIS	VNIR	5 or 6.5	1	5Band 75*50 km Ortho	Arch Normal	A	WGS84 UTM
SPOT-5	HRG	Pan,VNIR	5, 10	1	Pansharp	Arch Normal	A	WGS84 UTM

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DAP_MG2b_34: Risk Assessment Service (RoW) VHR optical

Dataset Description: Development of improved tools for humanitarian crisis mapping outside of Europe

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Africa – including Sub-Saharan, Central and Equatorial Africa, East Africa and Madagascar Latin America – including Ecuador, Bolivia and Central America such as Nicaragua and Honduras South East and Central Asia – including Indonesia

Temporal extent of dataset: 2009-March 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCME

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Kompsat-2	MSC	Pan, VNIR	1, 4	10	Cloud 10, Pansharp, Bundle Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM
WorldView-2	WV110	Pan,VNIR, ,Stereo	0.8, 1.6	1	Bundle, Stereo	Arch Normal	A	WGS84 UTM

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Dataset Description: The objective of this task is the consolidation ,validation and initial provision of assets maps for European civil protection users

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: W-Romania (area and hotspots), West-Central Bulgaria (area and hotspots), North-Central Bulgaria (area and hotspots), Tarragona (Spain), South-East France (hotspots)

Temporal extent of dataset: 2009-Jan 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
SPOT-5	HRG	Pan,VNIR	2.5	3	Cloud 10, Pansharp Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM
EROS A or EROS B (prio)	CCD/CCD,TDI	Pan	0.7 or 1.9	1574 km2	Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	4734 km2	Cloud 20; Pansharp Bundle Not Ortho	LLT, ND Arch Normal	N or A	WGS84 UTM

European Space Agency
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Dataset Description: Emergency Rapid mapping in VHR Optical for maritime applications (oil spill monitoring and polluter identification)

Ordering mechanism: On-demand: SPERF to be sent to GEST Operator

Area of interest: All European Seas (Atlantic, Baltic, Black, Mediterranean and North Seas). Areas outside EU waters may be addressed in case of EC and EU Member States interest

Temporal extent of dataset: 2010 - May 2011

Acq window/Mapping frequency: Upon event occurrence

Delivery schedule: See [RD - 4] but subject to GCMEs constraints

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket)

Additional information: Both archived and new data can be requested within this dataset, as per agreement between GSP, ESA and GCMEs

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, World view-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	N/A	Not ortho	Emergency, NRT RUSH3h	N or A	WGS84 UTM

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Kompsat-2	MSC	Pan, VNIR	1, 4	N/A	Cloud 10; Pansharp Not Ortho No Bundle	Emergency, NRT RUSH3h	N or A	WGS84 UTM
Formosat-2	RSI	Pan, VNIR	2, 8	N/A	Cloud 10; Not Ortho No Bundle	Emergency, NRT RUSH3h	N or A	WGS84 UTM

European Space Agency
Agence spatiale européenne

Dataset Description: Detection, mapping, monitoring and forecasting of ground deformations, at different temporal and spatial scales, and in various physiographic and environmental settings

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Central Umbria (Italy) ; Dolomiti (Italy) ; Hungarian lowland (Hungary) ; Silesian Coal Basin (Poland) Palma de Mallorca (Spain) ; Zermatt (Switzerland), ; St. Moritz (Switzerland)

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	800 km2	Pansharp, Bundle, Not Ortho	Arch Normal	A	WGS84 UTM

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	100 km2	Pansharp, Bundle, Not Ortho	LLT, ND	N	WGS84 UTM
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	100 km2	Pansharp, Bundle, Stereo Not Ortho	LLT, ND	N	WGS84 UTM
EROS A or EROS B (prio)	CCD/CCD,TDI	Pan	0.7 or 1.9	80 km2	Not Ortho	Arch Normal	A	WGS84 UTM
EROS A or EROS B (prio)	CCD/CCD,TDI	Pan	0.7 or 1.9	200 km2	Not Ortho	LLT, ND	N	WGS84 UTM

Data Access Portfolio

Date 08 April 2011 - Issue 1 Rev 1.1

European Space Agency
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Dataset Description: Monitoring of volcanic activity and relevant hazard at global scale

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Piton de la Fournaise (La Reunion), Monte Etna (Italy), Soufrière Hills (Montserrat Island), Stromboli (Italy), Karthala (Comores), Nyamuragira (Congo), Nyriagongo (Congo), Jebel-al-Tair (Yemen). Doinyo Lengai (Tanzania), Manda Hararo (Ethiopia), Erta'Ale (Ethiopia), Dabbahu (Ethiopia), Dalaffilla (Ethiopia), Kilauea (Hawaii), Batu Tara (Lesser Sunda Islands ,Indonesia), Kliuchevskoi (Kamchatka Peninsula,Russia)

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	5038 km2	Cloud 20; Pansharp, Bundle, Not Ortho	LLT, ND	N	WGS84 UTM

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DAP_MG2b_40 : Land coverage and coastal subsidence VHR Optical

Dataset Description: Land coverage, coastline detection and coastal subsidence monitoring

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Italy, Emilia-Romagna coast (Adriatic Sea)

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	1734 km2	Cloud 20; Pansharp, Bundle, Not Ortho	LLT, ND	N	WGS84 UTM
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	1734 km2	Pansharp, Bundle, Not Ortho	Arch Normal	A	WGS84 UTM

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DAP_MG2b_41 : Natural Disasters VHR Optical

Dataset Description: Natural disasters, emergencies and security related applications

Ordering mechanism: On-demand: SPDRF to be sent to SCI Operator

Area of interest: As per GSP request

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: Upon event occurrence

Delivery schedule: On a product basis

Delivery mechanism: FTP@GCM

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
SPOT5	HRG	Pan,VNIR	2.5	1	Pansharp Not ortho	RUSH3h	A	WGS84 UTM
SPOT5	HRG	Pan,VNIR	2.5	11	Cloud 10; pansharp Not ortho	SLT, NRT	N	WGS84 UTM

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	100 km2	Pansharp, Bundle, Not Ortho	RUSH3h	A	WGS84 UTM
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR,	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	600 km2	Cloud 20; Pansharp, Bundle, Not Ortho	SLT, NRT	N	WGS84 UTM

European Space Agency
Agence spatiale européenne

DAP_MG2b_43 : Water Quality Monitoring VHR Optical

Dataset Description: Water Quality Information services for water framework directive reporting, bathing water monitoring, aquaculture monitoring, large scale marine infrastructure and algal bloom warning

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: EEA 32: Baltic Sea, North Sea, North-East Atlantic, Mediterranean Sea, Black Sea

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	4272 km2	Cloud 20; Pansharp, Bundle, Not Ortho	LLT, ND	N	WGS84 UTM

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DAP_MG2b_48: CleanSeaNet and EMSA maritime surveillance services - VHR optical EMSA

Dataset Description: Surveillance service for oil spill monitoring and polluter identification

Ordering mechanism: On-demand: SPERF or SPDRF to be sent to GEST/SCI Operator

Area of interest: All European Seas (Atlantic, Baltic, Black, Mediterranean and North Seas). Areas outside EU waters may be addressed in case of EC and EU Member States interest

Temporal extent of dataset: 2010 - May 2011

Acq window/Mapping frequency: Upon event occurrence

Delivery schedule: As per applicable scenario

Delivery mechanism: FTP@GCM and FTP@CDS (emergency basket) in case of emergency, FTP@CDS if normal tasking

Additional information: EMSA-ESA agreement

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, World view-2, Ikonos, GeoEye-1	BGIS2000, WV60, WV110, OSA, GIS	Pan,VNIR	0.5, 0.6, 0.8, 1.6, 1.8, 2.5, 3.3	N/A	Not ortho	Emergency or SLT, NRT RUSH3h	N or A	WGS84 UTM
SPOT-5	HRG	Pan,VNIR	2.5	N/A	Not ortho	Emergency or SLT, NRT RUSH3h	N or A	WGS84 UTM

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DAP_MG2b_49: VHR optical data for ReCover

Dataset Description: Contribution of VHR optical data by EUSI

Ordering mechanism: On demand: SPDRF form to be sent to SCI Operator

Area of interest: Global

Temporal extent of dataset: Until May 2011

Acq window/Mapping frequency: As per GSP request

Delivery schedule: On a product basis

Delivery mechanism: FTP@CDS

Additional information:

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Quickbird, Worldview-1, Worldview-2,	BGIS2000, WV60, WV110,	Pan,VNIR,	0.5, 0.6	23	Pansharp Bundle Not Ortho	Arch Normal	A	WGS84 UTM

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DAP_MG3_01 : Systematic regional MR to LR Land Coverage (with imaging multi-spectral radiometers)

Dataset Description:	Europe, continuous wall-to-wall coverage (MR for monitoring of seasonal/annual agricultural land use state and changes) in years 2008-2010; Africa, continuous wall-to-wall MR and LR environmental seasonal/annual change monitoring in 2008-2010
Ordering mechanism:	N/A (predefined)
Area of interest:	Europe; Africa (two areas +/- 10 degree equator)
Temporal extent of dataset:	2008-May 2011
Acq window/Mapping frequency:	Daily + temporal composites (VGT)
Delivery schedule:	Systematic
Delivery mechanism:	FTP@GCM
Additional information:	The following products are available via Eumetsat: MSG/SEVIRI, NOAA/IASI and MetOp/AVHRR

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	MERIS	FR	300	N/A	L1	LLT, NRT3h Arch Normal	N or A	
EOS-AM	MODIS		1000	N/A	L1	Arch Normal	A	
MetOp	AVHRR		1100	N/A	L1	NRT1.5h	N	
NOAA	IASI		1000	N/A	L1	Arch Normal	A	
SPOT-4/-5	VGT1/2		1000	N/A	P, S1, S10	Arch Normal	A	

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
MSG	SEVIRI		3000	N/A	L1.5	NRT-5, -15, 30min Arch Normal	N or A	

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DAP_MG3_02 : Systematic Global LR Land Coverage (with Imaging multi-spectral radiometers/scatterometers)

GEOLAND-2

Dataset Description: Weather and climate variability: low resolution multi-model carbon accounting system accounting for weather and climate variability, coupled with EO data assimilation schemes, Crop Monitoring for global production forecast of main grains. Ref year 2008-2012

Ordering mechanism: Subscription

Area of interest: Global (Land)

Temporal extent of dataset: 2008-May 2011

Acq window/Mapping frequency: Daily + temporal composites

Delivery schedule: Systematic

Delivery mechanism: FTP@GCM

Additional information: The following products are available via Eumetsat: MSG/SEVIRI, NOAA/IASI and MetOp/AVHRR

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	AATSR		1000	N/A	L2	Arch Normal	A	
EOS-AM	MODIS		1000	N/A	L1	NRT3h ; 2-4 days consolidated	A	
SPOT-4/5	VGT1/2		1000	N/A	P, S1, S10	Cum (1998-1999)/ Cum (2002-2008)	A	

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
MetOp	AVHRR, ASCAT		1100, 25000	N/A	L1	NRT1.5h	N or A	
ERS	SCATT	Cells of 50km x 50km at 25km intervals		N/A	L1	NRT3h	N	
MSG	SEVIRI	1100		N/A	L1.5	NRT5, -15, 30min	N or A	
NOAA	AVHRR	1090		N/A	L1B	NRT1.5h	N or A	

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Dataset Description: Global and regional Ocean colour, continuous tracking over oceans + Reprocessing of archived data for climatic application, when improved algorithms or auxiliary data become available

Ordering mechanism: Subscription

Area of interest: World Ocean and European regional seas (Arctic, Baltic, Northeast Atlantic, Mediterranean and Black Seas). Europe is made of 7 regional seas: Arctic, Baltic, North West Shelves, South West Shelves, Mediterranean Sea, Black Sea The European Seas area is delimited in Lat from 27.5 N to 62 N and Lon from 15W to 43.5E

Temporal extent of dataset: 2008-May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: Systematic

Delivery mechanism: FTP@GCM

Additional information: The following products are available via Eumetsat: NOAA-MetOp/AVHRR

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
EOS-PM	MODIS		1000	N/A	L1	NRT3h	N	
ENVISAT	MERIS	RR	1000	N/A	L1B, L2	Arch Normal	A	
EOS-/PM	MODIS		1000	N/A	L0, L1A, L1B, L2	7days	A	
ENVISAT	MERIS	RR	1000	N/A	L1B, L2	NRT3h	N	
OrbView-2	SeaWiFS		1000	N/A	L0	NRT3h	N	

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
MetOp/NOAA	AVHRR		1090	N/A	L0 (regional), L1B (global)	NRT-30min	N	

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DAP_MG3_04 : Systematic Global and Regional sea surface temperature data

MyOcean

Dataset Description: Global and regional sea surface temperature, continuous tracking over oceans + Reprocessing of archived data for climatic application, when improved algorithms or auxiliary data become available

Ordering mechanism: Subscription

Area of interest: World Ocean and European regional seas. The regional seas cover: Arctic, Baltic, North-east Atlantic, and Mediterranean sea.

Temporal extent of dataset: 2008-May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: Systematic

Delivery mechanism: FTP@GCM

Additional information: The following products are available via Eumetsat: MSG/SEVIRI MetOp/AVHRR

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	AATSR		1000	N/A	L1B, L2	Arch Normal	A	
ERS	ATSR		1000	N/A	L1B, L2	Arch Normal	A	
ENVISAT	AATSR		1000	N/A	L1B, L2	NRT3h	N	

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
MSG	SEVIRI		1100	N/A	Atlantic MSG Sea Surface Temperature (ATLSST); North Atlantic and Regional Sea Surface Temperature (OSSTNAR); Atlantic Sea Surface Temperature at Low and Mid Latitudes - Multimission (OSSTLML); Atlantic Sea Surface Temperature, merged (MAP SST); Glob	NRT (EUMETCast): ATLSST - NRT 1hr; NAR - NRT 12hr; LMLSST - NRT 3hr; MAPSST - NRT 12hr; GLB-SST - NRT 12hr; SST-IODC - NRT 12hr	N	
MetOp	AVHRR		3000	N/A		EUMETSAT Archive (FTP)	A	

Data Access Portfolio
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DAP_MG3_05 : Systematic Global and Regional Altimeter/ Sea Level data

MyOcean

Dataset Description: Global and regional sea level, continuous tracking over oceans + Reprocessing of archived data for climatic application, when improved algorithms or auxiliary data become available.

Ordering mechanism: Subscription

Area of interest: World Ocean. The regional seas cover: Arctic, Baltic, North-east Atlantic, and Mediterranean sea.

Temporal extent of dataset: 2008-May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: Systematic

Delivery mechanism: FTP@GCM

Additional information: The following products are available: JASON via CNES and MetOp/AVHRR via Eumetsat

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
ENVISAT	RA2/MWR		16000-20000	N/A	L2	NRT3h,2-40 days Arch Normal	N or A	
JASON-2	POSEIDON-3		41600 at 18.7GHz, 36100km at 23.8GHz, 22900km at 34GHz	N/A	Operational Geophysical Data Record (OGDR)	NRT3h	N or A	

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
MetOp	GOME-2		0.2 to 0.4 nm	N/A		NRT3h (demo), Arch Normal	N or A	
GOCE	EGG		accelerometer measurements < 2.0 x 10-12 m s-2 Hz-1/2	N/A	L1, L2	NRT Arch Normal	N or A	

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DAP_MG4-5_03: Data for aerosol monitoring and forecasting

Dataset Description: Atmospheric composition analysis and forecast. Data to be used for assimilation of aerosol optical depth for near-real-time atmospheric composition analysis and forecast and for reanalyses.

Ordering mechanism: Subscription

Area of interest: Global

Temporal extent of dataset: 2008-May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: Systematic

Delivery mechanism: FTP@GCM

Additional information: The following product is available via Eumetsat: MetOp/GOME-2

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
MetOp	GOME-2		40 km x 40 km or 40 km x 5 km	N/A		NRT3h (demo), Arch Normal	N or A	
GOSAT	TANSO-CAI		500	N/A	L1B, L2	NRT3h Arch Normal	A	

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Envisat	MIPAS		Vertical: 3km, vertical scan range 5-150km, Horizontal: 3km x 30km	N/A	L1, L2	NRT3h Arch Normal	N or A	
Envisat	GOMOS			N/A	L1, L2	NRT3h Arch Normal	N or A	
Envisat	Sciamachy		Limb vertical 3 x 132km, Nadir horizontal 32 x 215km	N/A	L1,L2	NRT3h Arch Normal	N or A	

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DAP_MG4-5_04: Data for sulphur dioxide (SO2) atmospheric composition monitoring and forecasting MACC

Dataset Description: Atmospheric composition analysis and forecast. Data to be used for assimilation of sulphur dioxide in near-real-time atmospheric composition analysis and forecast and for reanalyses.

Ordering mechanism: Subscription

Area of interest: Global

Temporal extent of dataset: 2008-May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: Systematic

Delivery mechanism: FTP@GCM

Additional information: MetOp/GOME-2 products are available via Eumetsat;

Aura/OMI products are available via NASA

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
MetOp	GOME-2		40 km x 40 km (960 km swath and integration time of 0.1875 s) 40 km x 5 km (for polarisation monitoring)	N/A	SO2	NRT3h Arch Normal	N or A	
Envisat	Sciamachy		Limb vertical 3 x 132km, Nadir horizontal 32 x 215km	N/A	L1,L2	NRT3h Arch Normal	N or A	
Aura	OMI		spectral resolution of about 0.5 nm	N/A	L1	NRT3h	N or A	

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DAP_MG4-5_05: Data for formaldehyde (HCHO) atmospheric composition monitoring and forecasting

Dataset Description: Atmospheric composition analysis and forecast. Data to be used for assimilation of formaldehyde in near-real-time atmospheric composition analysis and forecast and for reanalyses

Ordering mechanism: Subscription

Area of interest: Global

Temporal extent of dataset: 2008-May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: Systematic

Delivery mechanism: FTP@GCM

Additional information: The following product is available via Eumetsat: MetOp/GOME-2

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
MetOp	GOME-2		40 km x 40 km (960 km swath and integration time of 0.1875 s) 40 km x 5 km (for polarisation monitoring)	N/A	HCHO (dev)	NRT3h	N	

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Envisat	Sciamachy		Limb vertical 3 x 132km, Nadir horizontal 32 x 215km	N/A	L1,L2	NRT3h Arch Normal	N or A	

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DAP_MG4-5_06: Data for Ozone (O3) atmospheric composition monitoring and forecasting   MACC

Dataset Description: Atmospheric composition analysis and forecast. Data to be used for assimilation of ozone in near-real-time atmospheric composition analysis and forecast

Ordering mechanism: Subscription

Area of interest: Global

Temporal extent of dataset: 2008-May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: Systematic

Delivery mechanism: FTP@GCM

Additional information: The following product is available via Eumetsat: MetOp/GOME-2

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
MetOp	GOME-2		80 x 40 Km (main channels) to 80 x 10 Km (PMD)	N/A	Total column, Ozone profiles (pre-ops)	NRT3h Arch Normal	N or A	
Envisat	Sciamachy		Limb vertical 3 x 132km, Nadir horizontal 32 x 215km	N/A	L1	NRT3h	N or A	

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Envisat	GOMOS		N/A	N/A	L1, L2	NRT3h Arch Normal	N or A	
Envisat	MIPAS		Vertical: 3km, vertical scan range 5-150km, Horizontal: 3km x 30km	N/A	L1, L2	NRT3h Arch Normal	N or A	
ERS	GOME		40 km x 40 km (960 km swath and integration time of 0.1875 s) 40 km x 5 km (for polarisation monitoring)	N/A	GOME. LVL13 GOME. LVL21	Arch Normal	N or A	
GOSAT	TANSO-FTS, TANSO-CAI		500	N/A	L1B, L2	NRT3h Arch Normal	N or A	

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DAP_MG4-5_07: Data for Carbon Monoxide (CO) atmospheric composition monitoring and forecasting

Dataset Description: Atmospheric composition analysis and forecast. Data to be used for assimilation of carbon monoxide for near-real-time atmospheric composition analysis and forecast and for reanalyses.

Ordering mechanism: Subscription

Area of interest: Global

Temporal extent of dataset: 2008-May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: Systematic

Delivery mechanism: FTP@GCM

Additional information: The following product is available via Eumetsat: MetOp/IASI

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
MetOp	IASI		25 Km (cloud free) or 100km for CO, CH4, N2O	N/A	CO (demo)	NRT3h Arch Normal	N or A	
Envisat	Sciamachy		Limb vertical 3 x 132km, Nadir horizontal 32 x 215km	N/A	L1,L2	NRT3h Arch Normal	N or A	

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Dataset Description: Atmospheric composition analysis and forecast. Data to be used for assimilation of carbon dioxide for near-real-time atmospheric composition analysis and for reanalyses.

Ordering mechanism: Subscription

Area of interest: Global

Temporal extent of dataset: 2008-May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: Systematic

Delivery mechanism: FTP@GCM

Additional information: The following product is available via Eumetsat: MetOp/IASI

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
MetOp	IASI		25 Km (cloud free) or 100km for CO, CH4, N2O	N/A	CO2(demo)	NRT3h Arch Normal	N or A	
Envisat	Sciamachy		Limb vertical 3 x 132km, Nadir horizontal 32 x 215km	N/A	L1,L2	NRT3h Arch Normal	N or A	

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
GOSAT	TANSO-FTS, TANSO-CAI		500	N/A	L1B, L2	NRT3h Arch Normal	N or A	

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DAP_MG4-5_09: Data for Methane (CH4) atmospheric composition monitoring and forecasting

Dataset Description: Atmospheric composition analysis and forecast. Data to be used for assimilation of methane in near-real-time atmospheric composition analysis and for reanalyses.

Ordering mechanism: Subscription

Area of interest: Global

Temporal extent of dataset: 2008-May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: Systematic

Delivery mechanism: FTP@GCM

Additional information: The following product is available via Eumetsat: MetOp/IASI

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
MetOp	IASI		25 Km (cloud free) or 100km for CO, CH_4, N_2O	N/A	CH4 (demo)	NRT3h	N or A	

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Envisat	MIPAS		3km, vertical scan range 5-150km, Horizontal: 3km x 30km, Spectral resolution: 0.035 lines/cm	N/A	L1, L2	NRT3h Arch Normal	N or A	
GOSAT	TANSO-FTS, TANSO-CAI		500	N/A	L1B, L2	NRT3h Arch Normal	N or A	

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Dataset Description: Atmospheric composition analysis and forecast. Data to be used for assimilation of nitrogen dioxide in near-real-time atmospheric composition analysis and forecast and for reanalyses.

Ordering mechanism: Subscription

Area of interest: Global

Temporal extent of dataset: up to May 2011

Acq window/Mapping frequency: Daily

Delivery schedule: Systematic

Delivery mechanism: FTP@GCM

Additional information: The following product MetOp/GOME-2 is available via Eumetsat

Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
MetOp	GOME-2		80 x 40 Km (main channels) to 80 x 10 Km (PMD)	N/A	Off-line Total Column - Operational; Near Real Time Total Column - Pre-operational; Off-line NO2 Photolysis Rate - in development	NRT3h Arch Normal	N or A	

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Mission	Instrument	Acquisition options	Resolution (m)	Quota	Product	Timeliness	New/ Archive	Projection
Envisat	Sciamachy		Limb vertical 3 x 132km, Nadir horizontal 32 x 215km	N/A	L1,L2	NRT3h Arch Normal	N or A	
ERS	GOME		Horizontal: 40 x 40 km to 40 x 320 km	N/A	GOME. LVL13 GOME. LVL21	ND Arch Normal	N or A	

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ANNEX A – DETAILED SPECIFICATION OF THE AREAS OF INTEREST (AOI) AND ACQUISITION TIME WINDOWS

DAP_MG1_08

Area A - the northernmost part of the Gulf of Bothnia. Area covers the Bay of Bothnia and Quark.
Area B - the Gulf of Finland, the Archipelago Sea and the Gulf of Riga.
Area C - the northern Baltic Sea with gulfs. Area covers all sea areas north of latitude 57°N.
Area D - the whole Baltic Sea with Kattegat and Skagerak
Area E - Russian lakes (Laatokka and Ääninen)
Area F - Swedish lakes (Vänern, Vättern and Mälaren)

DAP_MG2-3_01

EEA38: Albania, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Finland, France, Germany, Greece, Hungary,
Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Montenegro, Netherlands, Norway, Poland, Portugal, Republic of Macedonia, Romania, Serbia and Montenegro, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom [including all islands of those countries and the French Overseas Departments, e.g. Azores, Madeire, Canary, Guadeloupe, Martinique, French Guiana and Réunion]

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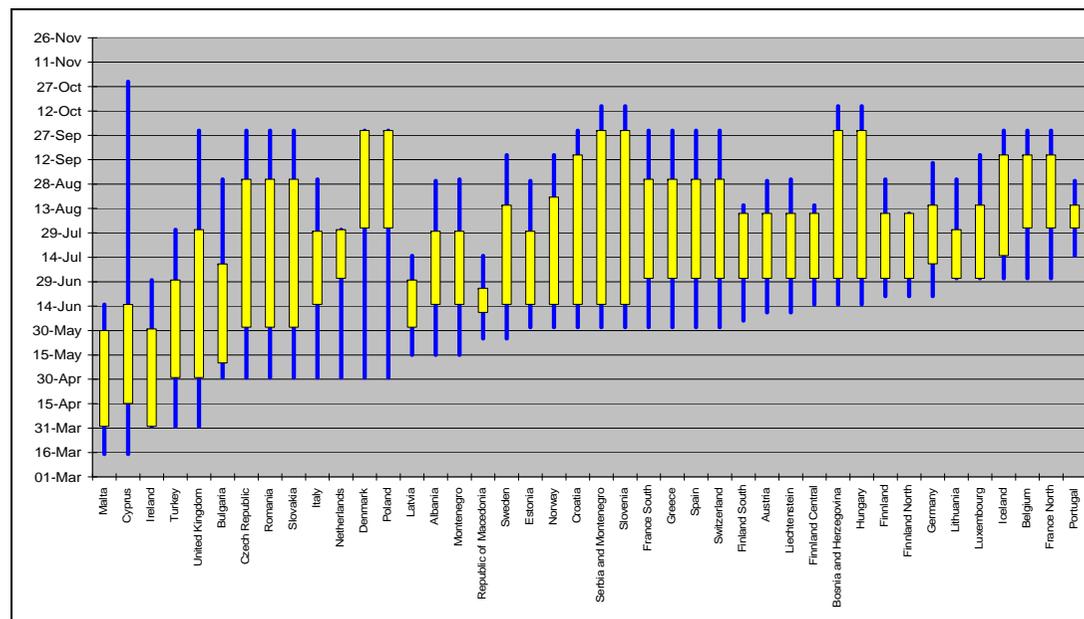
DAP_MG2_07

EU-08: Rhine catchment, set of high-risk sites covering 1.500 km2
EU-09: Seine-Normandy catchment, set of high-risk sites covering 3.000 km2
EU-10: Guadalquivir catchment, set of high risk sites covering 1.000 km2
EU-15: Strymonas / Struma catchment set of high risk sites covering 500 km2
 Additional in 2010: Bulgaria LUZ (273 Km2)

DAP_MG2_25

- East:
    Ellimi Triangle, Federal Democratic, Republic of Ethiopia, Republic of Djibouti, Republic of Kenya,
    Republic of Sudan, Republic of Uganda, Somali Republic, State of Eritrea;
- Islands:
    Ascension, Bassas da Índia, Democratic Republic of São Tomé and Príncipe, Ile Europa, Ile Tromelin, Iles
    Glorieuses, Juan de Nova, Mayotte, Republic of Cape Verde, Republic of Mauritius, Republic of Seychelles,
    Reunion, St Helena, Union of the Comoros;

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- North:
    Burkina Faso, Islamic Republic of Mauritania, Republic of Chad, Republic of Mali, Republic of Niger;
- South:
    Kingdom of Lesotho, Kingdom of Swaziland, Republic of Botswana, Republic of Burundi, Republic of Madagascar, Republic of Malawi, Republic of Mozambique, Republic of Namibia, Republic of Rwanda, Republic of South Africa,
    Republic of Zambia, Republic of Zimbabwe, United Republic of Tanzania;
- Tropical:
    Central African Republic, Democratic Republic of the Congo, Federal Republic of Nigeria, Gabonese Republic, Republic of Angola, Republic of Benin, Republic of Cameroon, Republic of Côte d'Ivoire, Republic of Equatorial Guinea, Republic of Ghana, Republic of Guinea, Republic of Guinea-Bissau, Republic of Liberia, Republic of Senegal,
    Republic of Sierra Leone, Republic of the Congo, Republic of The Gambia, Togolese Republic

DAP_MG2b_01

Brussels, Praha, Kladno, København, Berlin, Potsdam, Athina, Madrid, Tallinn, Paris, Dublin, Roma, Lefkosia, Riga, Vilnius, Luxembourg, Budapest, Valletta, Amsterdam, Almere, Wien, Warszawa, Lisboa, Ljubljana, Bratislava, Helsinki, Stockholm, London, Gravesham, Stevenage, Bucuresti, Sofia, Antwerpen, Liège, Gent, Brno, Ostrava, Plzen, Aarhus, Hamburg, München, Köln, Frankfurt am Main, Essen, Dortmund, Bochum, Mülheim a.d.Ruhr, Moers, Stuttgart, Leipzig, Dresden, Thessaloniki, Patra, Irakleio, Barcelona, L'Hospitalet de Llobregat, Valencia, Sevilla, Zaragoza, Tartu, Marseille, Lyon, Lille, Nice, Toulouse, Bordeaux, Cork, Milano , Napoli, Torino, Palermo, Genova, Firenze, Liepaja, Kaunas, Panevezys, Miskolc, Debrecen, Pécs, Rotterdam, Utrecht, s' Gravenhage, Eindhoven, Graz, Linz, Łódź, Kraków, Wrocław, Poznań, Oporto, Braga, Coimbra, Maribor, Kosice, Tampere, Göteborg, Malmö, Uppsala, Birmingham, Leeds, Bradford, Glasgow , Liverpool, Wirral,
Edinburgh , Cluj-Napoca, Timisoara, Craiova, Braila, Plovdiv, Charleroi, Brugge, Namur, Usti nad Labem, Olomouc, Liberec, Ceske Budejovice, Düsseldorf, Bremen, Hannover, Nürnberg, Wuppertal, Bielefeld, Bonn, Karlsruhe, Mönchengladbach, Larisa, Volos, Ioannina, Murcia, Las Palmas, Bilbao, Palma di Mallorca, Valladolid, Córdoba, Alicante/Alacant, Vigo, Gijón, Nantes, Strasbourg, Montpellier, Toulon, Rouen, Grenoble, Rennes, Aix-en-Provence, Saint-Etienne, Orléans, Clermont-Ferrand, Nancy, Tours, Le Havre, Limerick, Galway, Waterford, Bologna, Bari, Catania, Venezia, Verona, Trieste, Padova, Taranto, Brescia, Reggio di Calabria, Modena, Cagliari, Szeged, Gyõr, Gozo, Tilburg, Groningen, Nijmegen, Breda, Apeldoorn, Salzburg, Innsbruck, Gdańsk, Szczecin, Bydgoszcz, Lublin, Katowice, Żory, Białystok, Kielce, Toruń, Olsztyn, Częstochowa, Radom, Funchal, Setubal, Aveiro, Nitra, Prešov, Banska Bystrica, Turku, Oulu, Jönköping, Umeå, Linköping, Örebro, Manchester, Cardiff, Sheffield, Bristol, Belfast, Newcastle upon Tyne, Leicester, Aberdeen, Portsmouth, Coventry, Oradea, Bacau, Arad,

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Sibiu, Varna, Burgas, Odense, Aalborg, Hradec Kralove, Pardubice, Zlin, Karlovy Vary, Jihlava, Halle an der Saale, Magdeburg, Wiesbaden, Göttingen, Darmstadt, Trier, Freiburg im Breisgau, Regensburg, Frankfurt (Oder), Weimar, Schwerin, Erfurt, Augsburg, Mainz, Kiel, Saarbrücken, Koblenz, Kavala, Kalamata, Málaga, Santiago de Compostela, Vitoria/Gasteiz, Oviedo, Pamplona/Iruña, Santander, Toledo, Badajoz, Logroño, Santa Cruz de Tenerife, Amiens, Metz, Reims, Dijon, Poitiers, Caen, Limoges, Besançon, Ajaccio, Lens - Liévin, Foggia, Perugia, Salerno, Pescara, Sassari, Trento, Ancona, Catanzaro, Caserta, Cremona, Potenza, l'Aquila, Campobasso, Nyíregyháza, Kecskemét, Székesfehérvár, Enschede, Arnhem, Heerlen, Leeuwarden, Rzeszów, Opole, Gorzów Wielkopolski, Zielona Góra, Jelenia Góra, Nowy Sącz, Suwałki, Konin, Płock, Kalisz, Koszalin, Ponto Delgada, Faro, Zilina, Trnava, Trencin, Derry, Cambridge, Exeter, Lincoln, Wrexham, Worcester, Kingston-upon-Hull, Stoke-on-trent, Wolverhampton, Nottingham, Targu Mures, Piatra Neamt, Calarasi, Giurgiu, Alba Iulia, Pleven, Vidin, Ruse, Stara Zagora.

DAP_MG2b_03

Mini site area: 25 Km²
1. European transect Munich-Verona (Forest sub-site: 22,750 km²),
2. European transect Dresden-Prague-Linz (Forest sub-site: 19,279 km²),
3. European transect Thessalonica-Sophia-Romanian border (Forest sub-site: 11,598 km²),
4. Moselle-Sarre River Basin (Forest sub-site: 15,000 km²),
5. Motala River Basin (15,481km²),
6. Northern Boreal Forest in Finland (47.923 km²);
7. Mediterranean Forest in Spain (15.321 km²);
8. Atlantic Forest in South France (11.312 km²);
9. Western European Forest in UK (7.915 km²).

DAP_MG2b_28

EU-27 selected areas : Belgium , Bulgaria , Czech Republic , Denmark , Germany , Estonia , Ireland Greece , Spain , France , Italy , Cyprus , Latvia , Lithuania , Luxembourg , Hungary , Malta , Netherlands , Austria , Poland , Portugal , Romania , Slovenia , Slovakia , Finland, Sweden , United Kingdom.

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