

future GMES (image) data policy

- cf. the Joint Research Centre's (JRC) licensing scheme -

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preamble

- this presentation concerns satellite remote sensing data
- JRC uses such data in the performing its Public Tasks
 - *"the development, implementation and monitoring of policies and related activities as defined by the EC Treaty and subsequent European Union legislation"* e.g. within Agriculture, Security, Emergency, Marine Environment, Hydrology, Forestry etc.
- The Common Agricultural Policy (CAP) Controls can be used as an example since:
 - there are Framework Contracts with Image Providers up and running
 - licensing conditions with Image Providers have been translated into ONE proper EULA
 - it has given input to present GMES GIO licensing, and can be used further in defining future GMES data policy
 - CAP Controls may in a future GMES scenario become a GSP...

how to define “use” rights?

- use of INSPIRE definitions for services
 - DISCOVERY, VIEW, and DOWNLOAD
- use of GEO/GEOSS definitions for “fields” of use
 - use their societal benefit areas
 - or could be the GMES domains...
- define correct user categories
 - who are the licensees ?
- define correct categories of products
 - source, 1:ary derived (i.e. value added), 2:ary derived (i.e. derivative)
- define rules for re-use, and dissemination
- etc.

View services

Spatial data services making it possible, as a minimum, to display, navigate, zoom in/out, pan, or overlay viewable spatial data sets and to display legend information and any relevant content of metadata.

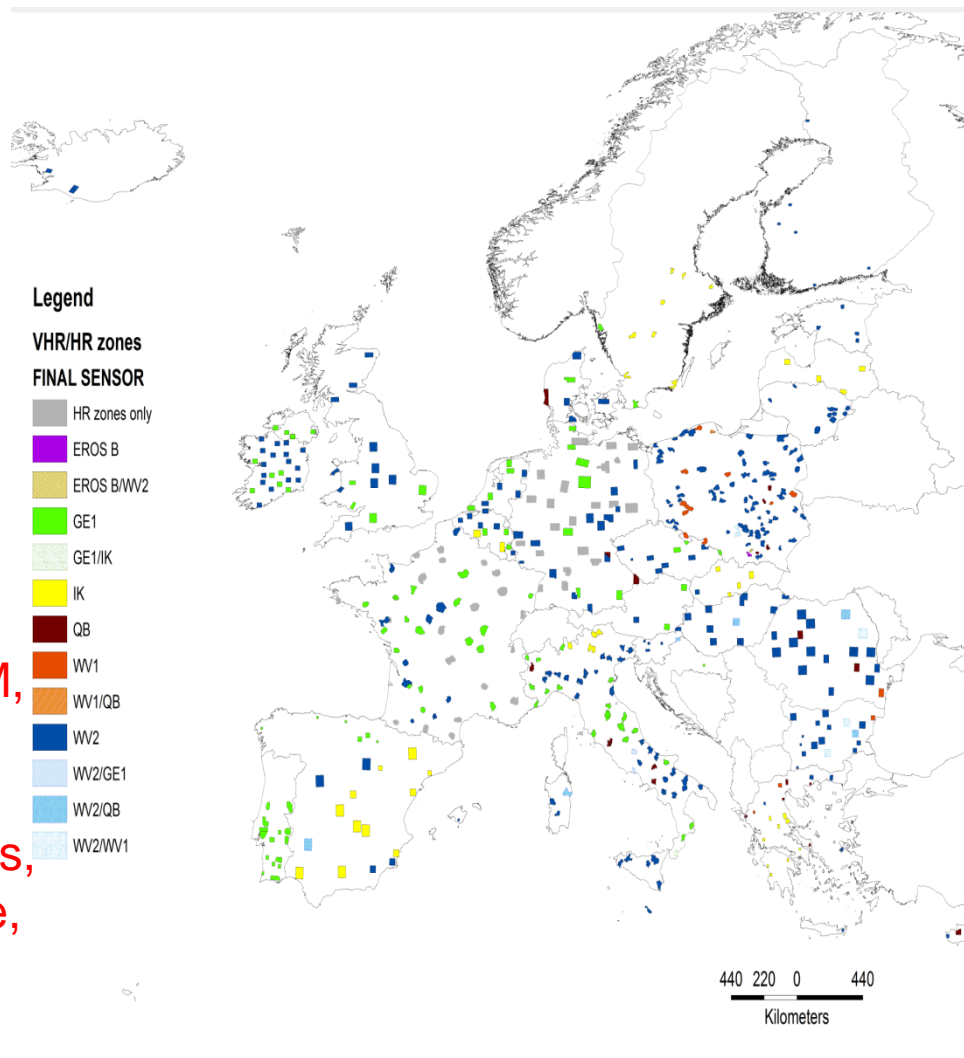
Solution for the CAP Controls

per Campaign year:

- some 300 control zones
- 7-800 HR images
- 250.000 km² VHR data
- 7 M euro budget
- approx. 70% of JRC satellite buy / year

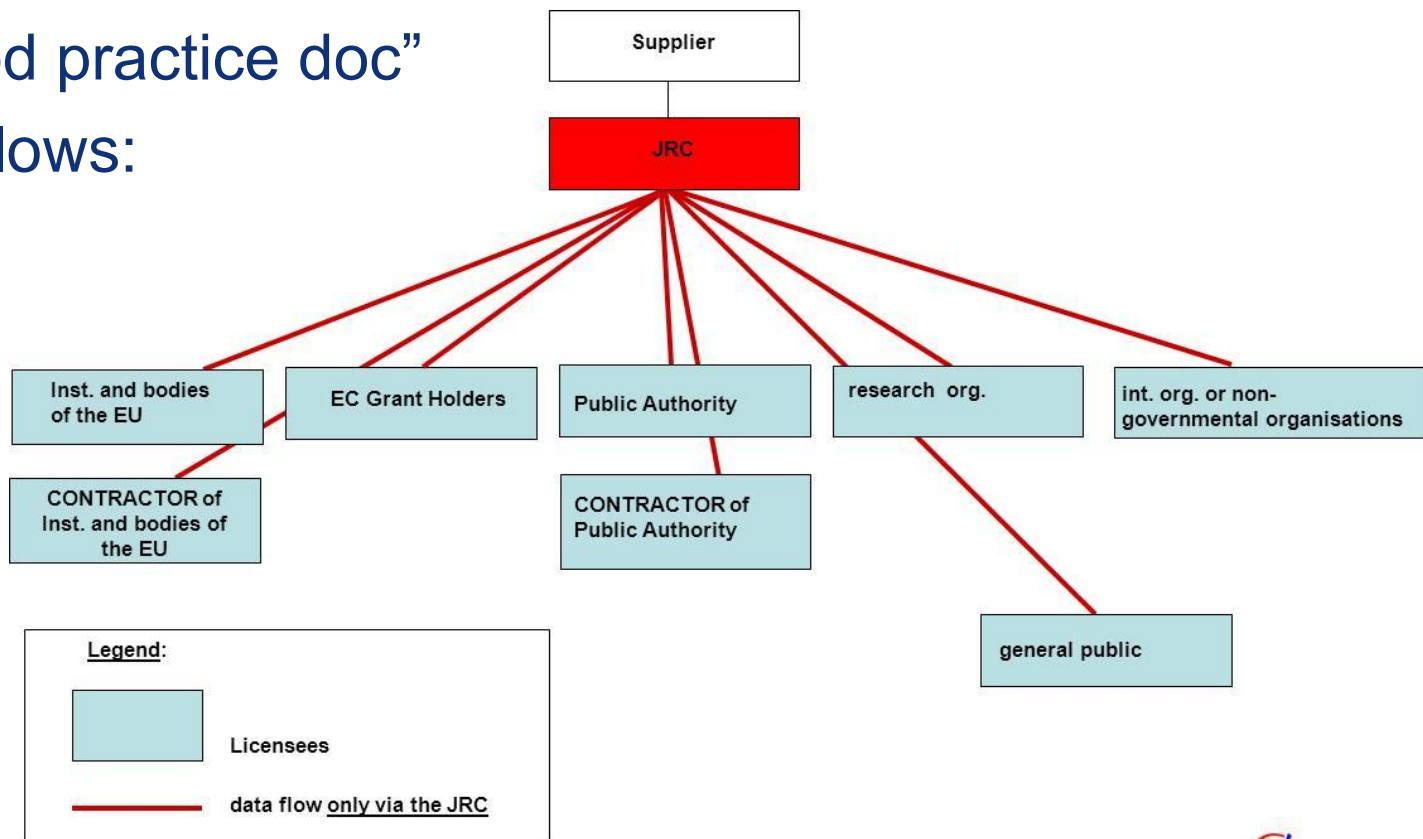
11 Framework Contracts up:

- Quickbird, WorldView, Landsat, LDCM, Envisat Asar, GeoEye-1, Ikonos, 1C(IRS), 1D(IRS), Resourcesat-1 (P6)(IRS), Cartosat-1 (P5)(IRS), Theos, Spot, Pleiades, Formosat-2, RapidEye, UK-DMC, NigeriaSat-1, Beijing-1, UK-DMC2, Deimos-1, Eros A, Eros B



Solution for the CAP Controls

- Licensing divided into Type A, B, C with “increasing” sharing
- EULA “click-to-accept” as data is downloaded from CID data portal
- in INSPIRE “good practice doc”
- Licensees as follows:



Solution for the CAP Controls

- Type A (used for CAP Controls)
 - declaration at purchase AGRICULTURE (but may for another project be any of the GEO societal benefit areas)
 - can share with Inst. and bodies of the EU (and their contractors), and any EC Grant Holder within any GEO societal benefit area
 - can share with a Public Authority (and their contractors) within AGRICULTURE
- Type B
 - can share with research and academic organisations for research purposes, and with IO/NGO for humanitarian and development purposes within AGRICULTURE
- Type C
 - can share with all above licensees within all GEO/GEOSS benefit areas and JRC may make VIEW to Public
- Mark-up % from A -> B -> C

CID portal - Online archive of satellite imagery

Contains JRC satellite imagery

- Central catalogue to **search** data
- **Web** services to **access** data
- **File** based **access** for internal use

Currently: approx. 55 TB of data

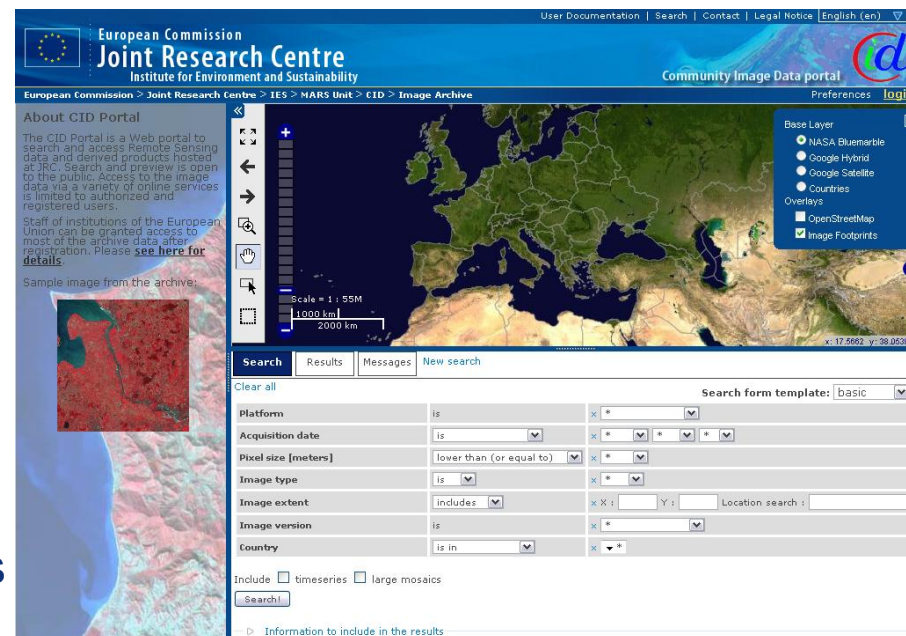
- 18 000+ HR scenes (5 – 50 m)
- 1 100 000 km² VHR (< 5 m)

Licensing:

- use of INSPIRE GEO/GEOSS definitions
- EULA released and being implemented

Main users:

- DG AGRI data traceable (audit)
- EC Services use/re-use of imagery
- GMES (for future)



The Community Image Data portal (CID):

<http://cidportal.jrc.ec.europa.eu/imagearchive>

GMES GIO 2011-2013

- Similar principles as above solution have been applied in the GIO DWH licensing which is now active:
 - Licensees: FP7 Projects, Institutions and bodies of the EU, Public Authorities, Public etc.
 - INSPIRE services : D, V, DL
 - % uplifts to reach more sharing

GMES operational 2014 ->

DISCOVERY of image data (and any data)

- allowed to all at no cost (metadata needs to contain rights/restrictions and licensing)

VIEW of image data

- to all for all Sentinel data at no cost
- for CMs to be negotiated (e.g. GIO CORE 003 VHR pan EU has free access to public!)

DOWNLOAD

- to all for all Sentinel data at no cost
- for CMs to be negotiated

DISSEMINATION

- to all for all Sentinel data
- to all for all 2:ary derived data (e.g. no restriction on a produced DEM...)
- for CM to be negotiated

GMES operational 2014 ->

- full and open access
- free where GMES owns the data (e.g. Sentinels)
- need to obtain more rights vis-a-vis the CMs e.g. free access for scientific users (research). GMES is strong and has bargaining power and does not need to accept directly an image providers EULA, but probably there is a need to maintain a modular approach with stepwise increasing sharing (services, licensees)
- liability limitations/exclusions - pass to end user (i.e. GMES not responsible)
- further comparison with image providers EULA needed (both commercial, and public/semi-public) - try to make ONE EULA.
- need of safeguarding the data in time – “data curation”

general JRC issues on GMES data policy

- 1) the policy framework should take into account all the relevant legal obligations in Europe, (INSPIRE, PSI, and the Directive of Public Access to Environmental Information + Regulation affecting EC) as well as the potential GMES contribution to the GEOSS Data CORE
- 2) ensure that the evolving policy (initial phase 2008-10, GIO 2011-13, and operational phase post 2014) is functional to both the JRC research needs and the needs of end users (meaning in particular environmental authorities in the Member States) and not just of data and service providers.
- 3) look in particular to INSPIRE for the part related to in-situ components and reference data (session 4 of the workshop)