

GSE Coordination Issues for: Risk & Humanitarian Aid Services

GSE Consortia:

3 Consolidated portfolios:

Risk EOS (Astrium)

TerraFirma (NPA)

GMFS (VITO)

2 Portfolios under consolidation:

RESPOND (Infoterra UK)

PROMOTE (KNMI)

GSE Coordination Issues for: Risk & Humanitarian Aid Services

Areas with overlap Commonalities of supply & demand
Data access and Data Acquisition Coordination
Geographic Coverage
User Federation
Service Standards

GSE Coordination Issues:

Areas with overlap:

DIRECT OVERLAP:

- Rapid mapping (common providers in RISK-EOS & RESPOND)

INDIRECT OVERLAP and BROKERAGE:

- Background mapping outside Europe (in RESPOND potential input to GMFS)
- Risk mapping (in RISK-EOS: Asset Mapping potential input to TERRAFIRMA in the long term)
- TERRAFIRMA motion maps potential input to RISK-EOS for Flood Defense in the long term
- TERRAFIRMA LS services for RESPOND
- RISK-EOS fire mapping input to Promote (Air Quality models) in the long term
- GMFS Early Warning & Rapid support to CFSAM potential input to RESPOND

Data access:

- RISK-EOS, GMFS and RESPOND there are hard requirements for NRT access to time series (crisis and archive data) of SAR & Optical data; Need to discuss the emergency tasking for EO missions (current & future)
- Need to identify what future EO missions data will be available
- RESPOND need to clarify high level data acquisitions plans (broad range of data from different sensors)
- TERRAFIRMA are interested in large volumes of SAR archives and there are budgetary implications

GSE Coordination Issues:

Total services:

- Full characterisation of who gets what when and where
- includes publication of list of all user organisations for all Consortia (on an annual basis)
- What products are available is described via *each GSE web portal*

- User Federation: commonalities between RISK-EOS and TERRAFIRMA with EU CPAs
- Geographic coverage: commonalities between TERRAFIRMA, RISK-EOS and PROMOTE
- It is recognised that there is an issue with the sensitivity of information at EU level concerning vulnerability (within EU)

Standards: Specific issue of the geography of the effort: this needs be sorted now

- How to define geographic extent of AM units in RISK-EOS
- Coverage need to take into account hotspots for RESPOND
- Issue of absence of commonly shared coverage for all GSEs
- How to define geographic extent of cities in TF
- GIS layers with single agreed format for the service coverage of all five portfolio
- Google Earth should be considered for representing the service coverage

Cataloguing:

- Each GSE to provide cataloguing of EO data used – common cataloguing would come after

GSE Contribution to Fast Track:

NOTES:

Understanding of INSCRIT needs:

- The requirements from CPAs are clear and strong as regards products & services
- Role of the UN in Aid coordination
- Importance of role of DG ENV MIC as user of emergency info services
- Focus on geography (EU25+ vs World)
- Based on the risk-response cycle presented at INSCRIT priority on response (rather than risk/prevention)

GSE Contribution to Fast Track:

Identify potential GSE contribution to Fast Track:

As far as service portfolios and service types are concerned:

- **The majority of RESPOND services are a direct response to INSCRIT in particular: mapping, damage mapping, situation maps, in-field mapping, refugee/IDP camp mapping, environmental impact assessment; and including linking alert and mapping response (through GDACS)**
- **A large part of RISK-EOS services are a direct response to INSCRIT: firstly Rapid Mapping, Asset Mapping and Flood risk analysis, including linking alert and mapping response (via EUMETNET)**
- **TERRAFIRMA can offer land motion services for mitigation purposes (subsidence, landslide, seismic)**
- **in terms of service portfolio, there are not many gaps between the services of GSEs and what INSCRIT needs**

GSE Contribution to Fast Track:

Questions:

Who precisely are the stakeholders of INSCRIT ?

What is the time frame and mechanisms for Fast Track services *definition*?

How will INSCRIT be activated ?

What are the inter-services mechanisms if INSCRIT were to activate services relevant to them but not part of their structure? How would this be funded ?

Does INSCRIT plan a specific collaboration with the UN ? If so of which nature ?