

G-MOSAIC

GMES services for Management of Operations,
Situation Awareness and Intelligence for regional Crises

KEEPING EUROPE SAFE

*Being a global actor, the EU has a responsibility to pioneer solutions to today's complex security challenges. Enhancing Europe's ability to attain a peaceful global society, the project G-MOSAIC helps in **supporting EU External Relations policies**.*

Reaction to a crisis often proves to be too late. Effective intervention should ideally take place before a situation deteriorates, to minimise damage. This is why **intelligence information is of paramount importance to help keep Europe safe** from threats arising, from the proliferation of Weapons of Mass Destruction (WMD), or the violence of ethnic conflict, state failure and regional crises.

The project G-MOSAIC will provide intelligence to the EU and its Member States before, during and after a crisis occurs.

In particular, G-MOSAIC **Situation Awareness and Intelligence applications** provide information on major **Threat Warning Factors**. Such factors include monitoring of critical assets as part of efforts to combat WMD proliferation. They also consist of extended routes' surveillance, and assessment of structural crisis indicators, such as population density and agricultural production, and monitoring of illegal activities such as illegal mining or logging that contribute to a better understanding of where regional crises - state failure, ethnic conflicts, or government instability - might occur.

Moreover, G-MOSAIC **Crisis Management Operations** provide intelligence once a conflict has erupted, aimed at **supporting EU intervention activities** in the form of preparedness, crisis management, damage assessment, reconstruction and resilience.

G-MOSAIC's activities will be devoted to developing and exploiting GMES/Kopernikus services as assets supporting security-related activities on external regional crises situations, whilst contributing to identifying the Core and Downstream geo-spatial intelligence services in the framework of the current status of the GMES/Kopernikus Initiative.

European Commission services such as the External Relations, Development and Environment Directorates-General, and the Office for Humanitarian Aid (ECHO), European Union bodies such as the EU Military Staff, the European Council Situation Centre, and also Member State Ministries of Foreign Affairs are among this project's reference users.



SERGIO PROIETTI
IS PROJECT COORDINATOR

QUESTIONS & ANSWERS

What do you want to achieve with this project?

G-MOSAIC aims at identifying and developing pilot services for the provision of geo-spatial information supporting EU external relations policies directed to maintain a peaceful global society, thus contributing to demonstrating sustainability of the GMES/Kopernikus global security perspective.

Why is this GMES/Kopernikus service important for Europe?

G-MOSAIC services will contribute to understanding where outside Europe, Regional Crises such as state failure, ethnic conflicts, have high probability to occur thus supporting institutions in the prevention of those crises that on the long term may negatively affect Europe.

How does your work benefit European citizens?

G-MOSAIC services will support EU intervention in External Regional Crisis, which can be regarded as an indirect threat to Europe as they can likely scale up to a global dimension and as a direct emergency for European citizens living, working or visiting the involved nations.



G-MOSAIC monitors critical assets.
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LIST OF PARTNERS

- Telespazio S.p.A., Italy
- Infoterra France SAS, France
- Thales Communications S.A. (TCF), France
- Deutsches Zentrum für Luft- und Raumfahrt (DLR), Germany
- INDRA Espacio SA, Spain
- GMV Aerospace and Defence S.A., Spain
- European Union Satellite Centre (EUSC)
- Commission of the European Communities - Directorate General Joint Research Centre (JRC)
- Centrum Badań Kosmicznych Polskiej Akademii Nauk, Poland
- Istituto Affari Internazionali (IAI), Italy
- Fondation pour la recherche stratégique, France
- Satelitarne Centrum Operacji Regionalnych S.A. (SCOR), Poland
- Thales Alenia Space Italy S.p.A. (TAS-I), Italy
- Thales Alenia Space France (TASF), France
- ARSENALE NOVISSIMO SARL (AN), France
- Astrium SAS, France
- Infoterra Limited, United Kingdom
- Infoterra GmbH (ITD), Germany
- Technische Universität Bergakademie Freiberg, Germany
- Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek (TNO), The Netherlands
- Consiglio Nazionale delle Ricerche (IMAA), Italy
- Università degli Studi della Basilicata (UNIBAS), Italy
- Eurosense-Belfotop Nv, Belgium
- Libera Università Internazionale degli Studi Sociali Guido Carli (LUISS), Italy
- Skysoft Portugal, Software e Tecnologias de Informação S.A., Portugal
- Instituto Superior Técnico, Portugal
- JOANNEUM RESEARCH Forschungsgesellschaft mbH, Austria
- Universität Salzburg, Austria
- Planetek Italia s.r.l., Italy
- Università degli Studi di Roma "La Sapienza" (CRPSM), Italy
- Gisat s.r.o, Czech Republic
- King's College London (KCL), United Kingdom
- SYNESYS SA, France
- Adelphi Research GmbH, Germany
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PROJECT INFORMATION

GMES services for Management of Operations,
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(G-MOSAIC)

Contract no: 218822

Starting date: 01/01/2009

Duration: 36 months

EU Contribution: € 9.600.000

Estimated total cost: € 15.300.000

