

## **GMES and AFRICA Technical Workshop on Crisis response and Monitoring for Security**

**6<sup>th</sup> December 2007**

**Jointly organised by  
the EC Joint Research Centre and the European Space Agency**

**Centro Cultural de Belem, Lisbon**

*At the initiative of the EU Portuguese Presidency*

### **Programme Structure**

#### **Background**

Promoting peace, security, development and human rights in Africa is one of the key political objectives of the Joint EU-Africa Strategy and adds an additional dimension to the EU-Africa partnership. Through an enhanced partnership, both the EU and Africa can address effectively the challenges facing both continents in the areas of peace and security, including in crisis, health and natural disaster related emergencies, food security, post-conflict situations and conflict prevention. There are already important ongoing European activities in this field, including humanitarian, development, security sector reform, the peace facility and EU security missions in several African countries as part of the international efforts for peace and stability undertaken by the UN and/or the African Union.

In the last few years, enabling technologies, such as earth observation, telecommunications, and navigation/positioning, have shown great potential towards tackling several of the above challenges. Under GMES, a number of European projects are contributing towards turning that potential into a reality, and moreover towards improving our understanding of the relevance of the technologies to address some of the aforementioned challenges. Some activities initially started in the frame of the European Framework Program for Research and Technological Development are now also taken up by projects funded by the European Development Fund.

A European-African partnership involving all the stakeholders, building on the aforementioned and other related initiatives, is essential to turn these projects into a reality. A first step towards this goal was already marked in 2006, when the African partners signed the Maputo declaration explicitly asking for a 'GMES-Africa' and the Cairo Declaration explicitly recognizing that accurate geospatial information is an essential pre-requisite for the achievement of the Millennium Development Goals. They received a positive answer from the Commissioner in charge of Development and Humanitarian Aid. An EU /AU working group on space applications has been setup, which will allow a better understanding of the African Union's requirements, identification of gaps, and development as well as deployment of added-value services. The Maputo Declaration also linked the activities undertaken in Africa with the GEO Initiative, "GMES-Africa" being an African contribution to GEO.

## Objectives of the workshop

The aim of the technical workshop is to bring together African, European and International user and supplier communities as well as organisations in order to prepare the technical groundwork whose results will feed into the more political Space for Africa event taking place on 7<sup>th</sup> December. This will be achieved mainly through:

- Presentations on activities underway in Africa in the domains: crisis and disaster management (from preparedness and early warning to recovery, rehabilitation and reconstruction), health security and food security. The presentations should indicate: context, EO and in-situ requirements, networking and partners, capacity building/training, other requirements including financial.
- Presentations on African and EU EO and in-situ programmes – focusing on partnership, capacity building and under-pinning infrastructure

Specific objectives of the workshop include:

- to inform the EU Member States and the African stakeholders of the goals and the activities of European and African programmes / initiatives and to promote the coordination among EU Member States for such activities
- to contribute to building a sustainable partnership comprising European, International and African stakeholders and partners working on enabling technologies (including earth observation, telecommunications, navigation/positioning, spatial data infrastructures);
- to contribute to building consensus on the essential pillars required to ensure that Africa is best positioned to benefit from what GMES could provide in the future for Africa.
- to elaborate recommendations that will be presented at the Portuguese EU Presidency event on "Space for Development: the case of GMES and Africa" on 7 December 2007.

The ultimate outcome of the workshop should be three-fold:

- An understanding of what is needed to render ongoing initiatives in Africa in the domains "crisis response and monitoring for security" successful and long lasting;
- The identification of key European and African initiatives as well as priority areas in the domains "crisis response and monitoring for security" which could benefit from further development in the fields of earth observation and in-situ technologies
- The identification of critical capacity building activities required in the domains "crisis response and monitoring for security" in order to take advantage of what GMES could provide in the future for Africa.

## Draft Program

**9:00 – 9:30 Common introductory session (Environment and Security Workshops)**

**Room: “Sophia de Mello Breyner”, Centro Cultural de Belém**

**“The role of Earth Observation in addressing current issues related to the sustainable management of African resources and the security of its citizens”.**

**Gérard Brachet - Chair of the UN Committee on the Peaceful Use of Outer Space - COPUOS**

Space Applications for Africa; summary of debates and conclusions of the Development Days and the conference “From Early Warning to Early Action”

**V Moutarlier (GMES-Bureau, DG ENTR)**

**10.00- 13:00 – Morning session: crisis response and monitoring for security workshop**

**Room: Maria Helena Vieira da Silva, Centro Cultural de Belem**

*Crisis management (from preparedness and early warning to response, recovery and rehabilitation/reconstruction)*

**Coffee/tea served during the Session**

**Moderator:** Peter Zeil

**Rapporteur:** Ph. Bally

*Crisis monitoring and risk assessment*

- General Secretary Mr. Sylvain-Goma, ECCAS/MARAC
- Mr. K Masamvu, SADC Secretariat (Botswana)

*Disaster and Crisis management and recovery planning*

- Mr. P Zucula INGC (National Disaster Management Institute), Mozambique
- Mr. A Fortescue, Satellite Application Centre, South African
- Mr. D Sakulski, South African Disaster Management Centre

*Improving security and coordination in post crisis rehabilitation*

- Mr. A Karatunga, Northern Uganda Data Centre

*Land deformation in mega cities – sea level rise and coastal subsidence monitoring using InSAR technology: example of Port Harcourt, Nigeria*

- Dr. Mohammad Shuaibu Tsalha, Centre of Geodesy and Geodynamics, Nigeria

**13:00 – 14:00 LUNCH**

**14:00 - 16.15 – Afternoon session: European and African initiatives and programmes relevant to the domains crisis response and monitoring for security**

*Moderator:* R Koppe

*Rapporteur:* G Lemoine

- Centre for Futures Studies, Cabinet's Information and Decision Support Centre, Egypt, Dr. A Shakweer
- African Association of Remote Sensing of the Environment, Dr. T Woldai
- African Space agency initiative Sias Mostert, SunSpace
- GMOSS: an example of networking and capacity building in Europe on EO technologies for security, S Voigt
- Integrated Monitoring of Land and Maritime Security (LIMES) – F Mastracci
- International Emergency Response and Mapping (RESPOND) – N Veck
- EO technologies for EU Crises Management – T Lovrencic, EUSC
- The JRC ACP Observatory - focus on security – D Ehrlich (JRC)

**Coffee/tea served during the Round Table Session**

**16.15: 17:30 – Afternoon session: Round Table:**

*Moderator:* H JeanJean

*Rapporteur:* D Al-Khudhairi

*Panellists:* Mr C Direitinho Tavares (representative of Portuguese presidency), K Masamvu (SADC), Dr. T Woldai (AARSE), Dr P Zucola (INGC), Dr A Shakweer (Cabinet Information and Decision Support Center), Mr. A Retiere (Unosat), Dr. H Haubold (OOSA), Mr. J de Meritens (UNDP), L Rebuffi (EOS), R Menses (ENTR-GMES Bureau)

**17:30 – 18:00 Joint Wrap-up Environment and Security sessions**

**Reports by the moderators**