



Coordinating and integrating state-of-the-art  
Earth Observation Activities in the regions of  
North Africa, Middle East and Balkans  
and Developing Links with GEO related initiatives  
toward GEOSS

---

**BRAGMA FP7 project**  
**Friday, 19<sup>th</sup> of February, 2016**

**{Hend Ben Hadji, CERT}**

{Logo of Institute}

*IONIC Centre, 11 Lysiou Street*  
*Athens, Greece*





## BRAGMA project

---

- **BRAGMA: BRIDGING ACTIONS FOR GMES AND AFRICA**
  - Partners from 10 Countries: 5 African / 5 European
  - Coordination / Support Action
  - 2 Years Project, starting January 2012



## BRAGMA partners

Nr.	BENEFICIARY	SHORT NAME	COUNTRY
1 - CO	Instituto de Investigação Científica Tropical	IICT	Portugal
2	Institut de Recherche pour le développement	IRD	France
3	Musée Royal de L'Afrique Centrale	MRAC	Belgium
4	Paris-Lodron University Salzburg – Centre for Geo-informatics	PLUS	Austria
5	Department of Science and Technology	DST	S. Africa
6	National Authority for Remote Sensing and Space Sciences	NARSS	Egypt
7	Centre d'Etudes et de Recherche des Télécommunications	CERT	Tunisia
8	National Space Research and Development Agency	NASRDA	Nigeria
9	Ministry of Higher Education, Science and Technology	MOHEST	Kenya
10	IIMC International Information Management Corporation	IIMC	Ireland
11	AAVANZ Inovação. Unipessoal Lda.	AAVANZ	Portugal



## BRAGMA background

---



### Maputo Declaration: African policy makers request EC to open its GMES initiative to Africa (Oct 2006)

- To coordinate existing EO activities in Africa in order to increase benefits
- To articulate European and African contributions to GEOSS
- Joint approach to solve global challenges - MDGs, sustainable development compromises (Climate Change, Food Security, Security,...)



### Lisbon Process

The objective to develop the **GMES and Africa Action Plan** was established at the 2nd Summit and the Plan was adopted as a deliverable of **the Space component of the 8th Africa-EU Partnership**

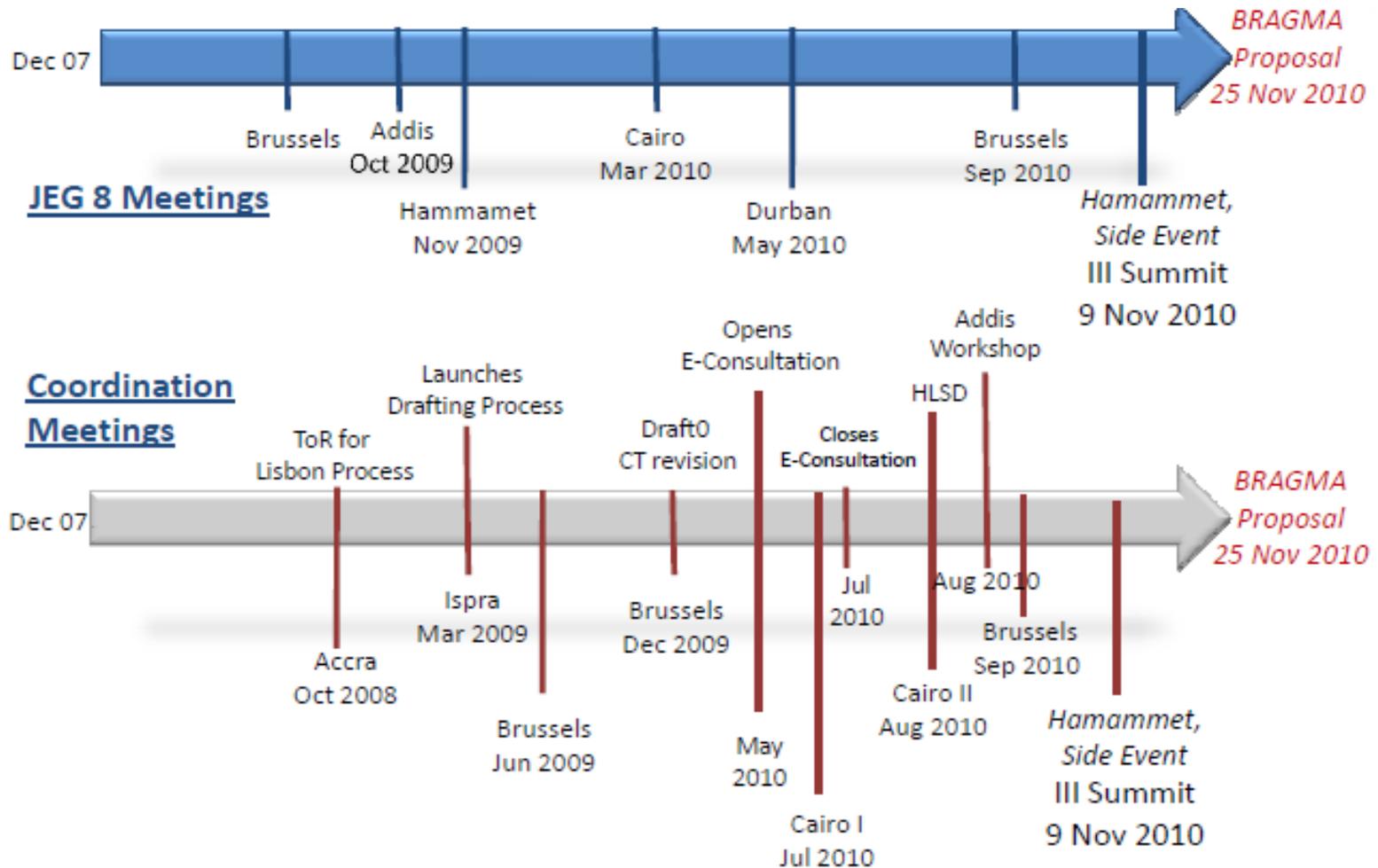


## GMES & Africa coordination mechanism

	EUROPE		AFRICA
<b>Political</b>	JEG8	MS (PT), EC	MS (TN), AUC
<b>Strategic</b>	Coordination Team (extended at March 2010 to include 6 African MS)	EC (JRC, DG ENTR, DG DEV), 3MS ESA, EUMETSAT	AUC, UNECA, RECs, 5MS AMCOST, AMCEN, AMCOW
<b>Technical</b>	Consultation Team	Experts on Thematic Areas	Experts on Thematic Areas
<b>Implementation</b>	Funding Mechanisms	FP7 (Space, Environment, INCO), JRC, EDF, ESA...	African Programs (National, Bilateral, others...)



# GMES & Africa timeline





## BRAGMA key objectives

---

- **1. SUPPORT COORDINATION AND PROMOTE AWARENESS**
  - Invest on the connection with the governance
  - Organise key meetings
  - Facilitate participation of selected African stakeholders at relevant events
  - Create a Web Site, Social Networks and Newsletters to connect networks and disseminate information
- **2. SUPPORT A COHERENT STRATEGY BETWEEN EUROPE AND AFRICA**
  - Build synergies between GMES & AFRICA related projects
  - Contribution of GMES services for GMES & Africa
- **3. SUPPORT THE EFFECTIVE DEVELOPMENT, CONCLUSION, ENDORSEMENT AND IMPLEMENTATION OF GAAP, IDENTIFYING AND FACILITATING THE SCOPE AND DEFINITION OF HIGH PRIORITY PROJECTS**



## GMES & Africa workshops

**SUPPORT THE EFFECTIVE DEVELOPMENT, CONCLUSION, ENDORSEMENT OF GAAP**

**1st** GMES & Africa Workshop  
9-10 October 2012  
Marine and Coastal Areas  
Mombasa - Kenya

**2nd** GMES & Africa Workshop  
Water Resources Management  
14/15 May 2013  
Abuja - Nigeria

**3rd** GMES & Africa Workshop  
Long term management of natural resources  
25|26 June 2013  
Sharm el-Sheikh  
Egypt

## 4. VALIDATION WORKSHOP (SOUTH AFRICA)



## Objectives of the workshops

---

- To identify the available capacities within Africa regarding each Thematic Area (networks, expertise, user communities);
- To identify potential synergies with GMES and Africa related projects funded at national, regional and continental level and heighten the available capacities within Africa regarding the Thematic Areas being addressed (through networks, expertise, user communities);
- To exchange experience and know-how in the field;
- To provide the consolidated and validated contribution to the drafting of the GMES and Africa Action Plan in the respective Thematic Area.



# Validation workshop

- To discuss and derive conclusions from past experience
- To endorse/validate the results obtained so far (3 Thematic WS)
- To analyze the sustainability/future of the initiative
- Discuss the Governance mechanism (political and implementation)
- Propose a Capacity building reinforcement
- Infrastructure needs – space and in situ
- Propose validation process for the remaining topics (discussion)
- Define research needs to support operational process
- Definition of the Partnership between GMES/Copernicus and GMES and Africa
- Data policy proposal
- Funding source



## CALL FOR IMPLEMENTATION of GMES and Africa

Johannesburg, 24<sup>th</sup> - 25<sup>th</sup> October 2013

Delegates from the African Member States, the African Union Commission, the European Commission and specialised organisations present at the GMES and Africa Consolidation-Validation Workshop, held in Johannesburg, South Africa from the 24<sup>th</sup> to 25<sup>th</sup> October 2013 hereby:

- **Recognise** the strategic role that Earth Observation (EO) can play in supporting national, regional and continental policies for sustainable socio-economic development, and its importance in providing services and products that will help attainment of Millennium Development Goals (MDGs) in Africa and other socio-economic objectives.
- **Reiterate Africa's Commitment** to the GMES & Africa initiative as a framework to take into account African EO initiatives and activities, and recognise the added value of EO for the sustainable development of the continent.
- **Acknowledge** the strategic importance of the "Maputo Declaration" (2006), the "Lisbon Declaration" (2007) and the "Hammamet High Level Strategic Document" (2010), all calling for increased cooperation between Europe and Africa and in particular the development of the "GMES and Africa" initiative, which is a fundamental element of the JAES.
- **Adopt** the three thematic chapters (marine, water and natural resources) endorsed by the thematic and validation workshops, as they succeed in capturing the priority actions in each of these areas for Africa, and **call upon the AUC** to take the necessary action for **implementation of the Initiatives**.
- **Underline** the need for GMES & Africa to build on existing infrastructure and to concentrate on **facilitating access to existing and future European, African and Global EO data**.



# BRAGMA portal

[www.bragma.eu](http://www.bragma.eu)

The screenshot shows the BRAGMA portal website in a Windows Internet Explorer browser window. The browser's address bar displays the URL <http://www.bragma.eu/home/default.asp?page=welcome>. The website's header features the BRAGMA logo, which includes a map of Africa and the text "Supporting GMES & Africa". To the right of the logo is a login form with fields for "Username:" and "Password:" and a "Login" button. Below the header is a navigation menu with tabs for "Home", "Community", "News + Events", and "8th Africa - EU Partnership". The main content area is divided into three columns. The left column contains a "Home" link, a list of links for "GMES & Africa", "Bragma", "Partners", "Bragma Map", "Mailing List", and "Contact Us", and a "Calendar" section showing a calendar for March 2012. The middle column has a "Welcome" section with a paragraph about the portal's purpose, a list of activities, and a link for more information. The right column features a "BRAGMA Map" showing a map of Africa with several location markers, and a "BRAGMA Project" section with a logo and a list of recent news items.

BRAGMA Initiative - Windows Internet Explorer

http://www.bragma.eu/home/default.asp?page=welcome

BRAGMA Initiative

Username:

Password:

[Forgot your details](#) [Login](#)

Home Community News + Events 8th Africa - EU Partnership

Home

GMES & Africa

Bragma

Partners

Bragma Map

Mailing List

Contact Us

Calendar

March 2012 Week Month Age

Mon	Tue	Wed	Thu	Fri	Sat	Sun
27	28	29	Mar 1	2	3	4
No data in Google						
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	Apr 1

Google Calendar

Welcome

within the context of the space track of the 8th Africa - EU Strategic Partnership (Science, Information Society, Space), BRAGMA is specifically focused on Supporting GMES (Global Monitoring for Environment and Security) and Africa.

Co-funded under FP7 (Contract 264422), BRAGMA (Bridging Actions for GMES and Africa) supports GMES and Africa coordination and awareness by

- Organising Coordination and Thematic Expert Workshops
- Facilitating participation of pre-qualified African stakeholders at relevant events to ensure pan-African engagement
- Building a community, engaging with key stakeholders, establishing and connect networks, and disseminate information through the BRAGMA Portal, Online Forum and Newsletters

Click [here](#) for more information on BRAGMA

BRAGMA Highlights

First Public BRAGMA Workshop takes place in Dar es Salaam, Tanzania on 08 May - Agenda will be Published Soon

IST-Africa 2012 (09 - 11 May, Dar es Salaam) - **Advance Programme published, Registration Now Open.**

African Union Research Grants 2012 - Call closes 20 April

JIGR @ IST-Africa 2012 (10 - 11 May) - Agenda will be Published Soon

News

BRAGMA Organises GMES and Africa Workshop in Dar es Salaam, Tanzania, 08 May 2012

BRAGMA Map

Map Sat Ter Earth

South Atlantic Ocean

©2012 Google

BRAGMA Project

BRAGMAProject

BRAGMAProject BRAGMA Organises Public GMES and Africa Workshop in Dar es Salaam, Tanzania on 08 May - [bragma.eu/home/default.asp](http://bragma.eu/home/default.asp) 2 minutes ago · reply · newest · favorite

BRAGMAProject Join the BRAGMA Community for GMES and Africa - [bragma.eu/home/default.asp](http://bragma.eu/home/default.asp)

Thank you for your attention