

# 2nd GMES & Africa Workshop Water Resources Management

14/15 May 2013

Abuja  
Nigeria

Design by: Instituto de Investigação Científica Tropical

## BRAGMA

### BRIDGING ACTIONS FOR GMES AND AFRICA

- Background
- Objectives and Achievements



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## BRAGMA

### BRIDGING ACTIONS FOR GMES AND AFRICA

- Partners from 10 Countries: 5 African / 5 European
- Coordination / Support Action – 1M€
- 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

Joint approach to solve global challenges - MDGs, sustainable development compromises (Climate Change, Food Security, Security,...)



## Space for Development: the case of GMES & Africa Lisbon event, 6-7 December 2007

~350 participants  
(75% EUR; 25% AFR)

### 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



# BRAGMA – GMES & Africa AP

**Action Plan** to be submitted at the **AU/EU summit in Libya, 2010**  
based on Open Consultation to assess:

- Identification of Users and relevant stakeholders
- Mapping of existing EO-related activities and programmes
- Identification of Gaps
- Needs for service development
- Needs for capacity building
- Identification of adequate financing instruments
- Data Policy and Governance issues



# GMES & Africa – Thematic Areas & CC Issues

## Cross Cutting Issues (5)

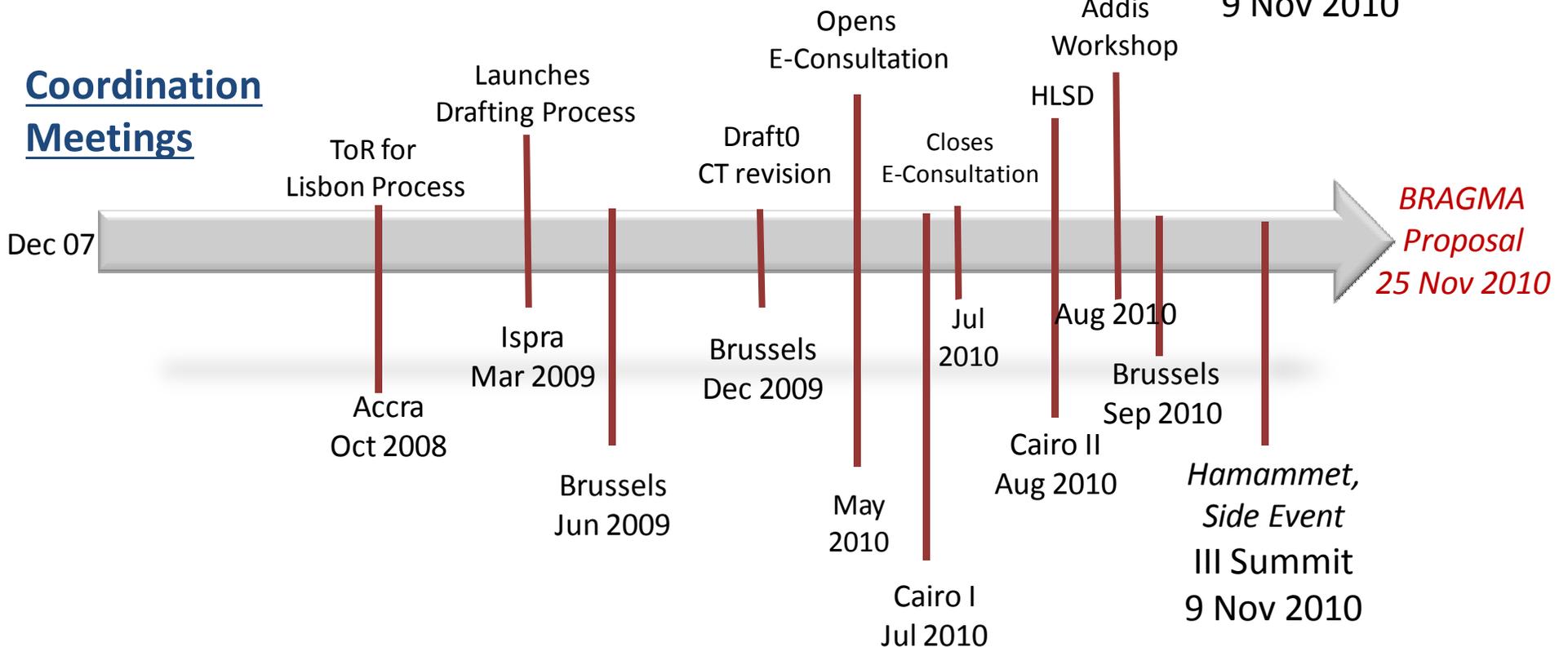
- Capacity building
- Institutional policy
- Infrastructures
- Financing
- Monitoring and Evaluation

## Thematic Areas (9)

- Marine and coastal areas
- **Water resources**
- Natural resources
- Climate variability and change
- Natural disasters
- Food security & rural development
- Infrastructure & territorial development
- Conflicts and political crises
- Health Management



# BRAGMA – GMES & Africa Background



# 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...)

# BRAGMA – GMES & Africa Building Blocks

- “GMES & Africa” Baseline Study - ready | February 2010
- Electronic consultation | 11 May 2010 – 31 July 2010

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## GMES AFRICA

Three languages are available:

[GMES&AFRICA ACTION PLAN](#)

The GMES and Africa Action Plan is the result of a... Lisbon, Portugal, by African and European stakeholders, to work along the Lisbon Process for paving the way to the long term coordination of collaborative Earth Observation activities in the African continent. It is part of the objectives of the Africa-UE Partnership on Science, Information Society and Space.

The drafting of this document has brought together 22 African and European experts in 8 thematic areas and 3 cross-cutting domains for more than one year of work. They have taken it to the present stage, at which all other experts' views and contributions all over both continents is being sought, so that the GMES and Africa Action Plan can be consolidated into a comprehensive and complete basis for continued and future collaborative initiatives that Africa and Europe undertake together in the Earth Observation field.

With your contribution and after this consolidation, the GMES and Africa Action Plan shall be submitted for adoption at the III Africa-EU Summit, in Libya, after which implementation of GMES services and related Earth Observation activities in Africa will contribute to boost sustainable development throughout the continent.

### GMES Africa consultation

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- “GMES & Africa” Hamammet Strategic Document – 9 November 2010



# BRAGMA - Key Objectives (2012/2013)

## 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



# BRAGMA

- Support Coordination
- Promote awareness

## MEETINGS

- **3 Thematic Workshops (2012) and 1 Validation Workshop (2013)**
- **4 GMES & Africa Coordination Team Meetings**
- **6 BRAGMA meetings**

THEMATIC AREA	COUNTRY	DATE	CT MEETING	PROJECT MEETING
<i>Marine and Coastal Areas</i>	<i>Kenya</i>	<i>Jun 2012</i>		
<i>Water Management</i>	<i>Nigeria</i>	<i>14-15 MAY</i>		
<i>Natural Resources</i>	<i>Egypt</i>	<i>25-26 June</i>		
<i>Validation Workshop</i>	<i>South Africa</i>	<i>3rd week Oct</i>	X	

CONFERENCE	COUNTRY	DATE	CT MEETING	PROJECT MEETING
<i>IST-Africa 2012</i>	<i>Tanzania</i>	<i>May 2012</i>		X
<i>EUMETSAT User Forum</i>	<i>Ethiopia</i>	<i>Oct 2012</i>		
<i>AARSE</i>	<i>Morocco</i>	<i>Oct-Nov 2012</i>		X
<i>AfricaGIS</i>	<i>Addis</i>	<i>4-8 Nov 2013</i>		X

PARTNER	COUNTRY	DATE	CT MEETING	PROJECT MEETING
<i>IICT – Kick off Meeting</i>	<i>Portugal</i>	<i>Jan 2012</i>	X	X
<i>IICT – Project and CT</i>	<i>Belgium</i>	<i>Feb 2013</i>	X	X
<i>MRAC - Closing Meeting</i>	<i>Belgium</i>	<i>Dec 2013</i>	X	X

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

Supporting GMES & Africa  
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### Calendar

Maio de 2013 ▾ Semana Mês A

Seg	Ter	Qua	Qui	Sex	Sáb	Dom
29	30	1 Mai	2	3	4	5
ICGG 20:						
6	7	8	9	10	11	12
13	14	15	16	17	18	19
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20	21	22	23	24	25	26
27	28	29	30	31	1 Jun	2

### 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 284422), 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

- Download **Draft Programme** and **Resources** for GMES & Africa Workshop on Water Resources Management, Nigeria, 14 - 15 May
- Download **BRAGMA Newsletter January 2013**
- Download **GMES & Africa Marine and Coastal Areas Report** Mombasa, Oct 2012
- Download **BRAGMA GMES & Africa Workshop Report** and PPT Presentations, Dar es Salaam
- Download **JEG8 Meeting Report** 08 - 11 May, Dar es Salaam, Tanzania

BRAGMA Initiative presented during EUMETSAT User Forum, Addis Ababa and AARSE 2012 Conference, Morocco, Oct '12

Click here to view European and African BRAGMA Partners

BRAGMA African Partner

2nd GMES & Africa Workshop  
Water Resources Management  
14/15  
May 2013  
Addis Ababa - Nigeria  
MCM

# BRAGMA

Promote awareness

Capacity4Dev

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## DEVELOPMENT AND COOPERATION - EUROPEAID

European Commission > EuropeAid > capacity4dev.eu > WATER RESOURCES MANAGEMENT WORKSHOP



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### **PUBLIC GROUP: Global Monitoring for Environment and Security (GMES) & Africa**

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- MARINE AND COASTAL AREAS WORKSHOP
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#### WATER RESOURCES MANAGEMENT WORKSHOP



# BRAGMA

- Cross Cutting Issues Working Groups
- Thematic Working Groups



BRAGMA – Bridging Actions for GMES and AFRICA

FP7 Project Number 284422



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## Main Page

**BRAGMA Web Site**

Visit the [BRAGMA Website](#).

**Groups**

**Information for the Water WS - Nigeria 2013**

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

The Water Resources Management GMES & Africa Workshop will take place in Abuja, Nigeria, 14/15 May 2013.

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# BRAGMA

PROJECT STARTS! January 23-24, 2012



## **BRAGMA Project kick-off and GMES and Africa Coordination Team meeting in Lisbon**

Hosted by IICT in Lisbon, Portugal, the meetings of the GMES and Africa Coordination Team and BRAGMA Project kick off took place. The BRAGMA project, coordinated by IICT is a Coordination and



which resulted in the adoption of "The Lisbon Process on GMES and Africa", which required developing an Action Plan in 2010.

Discussions were focused on the prioritisation of the GMES and Africa thematic areas, the organisation of consultation workshops in

# BRAGMA

Contribute for coherence between developments in Europe and in Africa

➤ FP7 Space Call 2008 - 3 projects (total 3 M€) for Coordination and Support Actions in view of the future implementation of GMES services in Africa (**start 2010**)

- **GARNET-E** Emergency Response and Risk Reduction (start May 2010 / 2yrs)
- **EAMnet** Marine Matters (start March 2010 / 3 yrs)
- **SAGA-EO** Support Action to GMES Africa on Earth Observation (start Aug 2010 / 2yrs)

➤ FP7 SICA (Specific International Cooperation Action) to promote participation of non-EU MS or Associated Countries in the FP7 within particular areas (**start 2011**)

**WATPLAN** Spatial EO monitoring for planning and water location (start Feb 2011 / 2½ yrs)

**MALAREO** EO in Malaria Vector Control and Management (start Feb 2011 / 2 yrs)

**REDDiness** Support EO-driven forest and carbon monitoring in Central Africa for REDD (start Jan 2011/2 yrs)

➤ **REDDAF** Reducing Emissions from Deforestation and Degradation in Africa (start Jan 2011 / 3 yrs)

❖ Puma → AMESD → MESA (2001-2018)

❖ Monitoring for Environment and Security in Africa (**MESA**) (**2013-2018**)

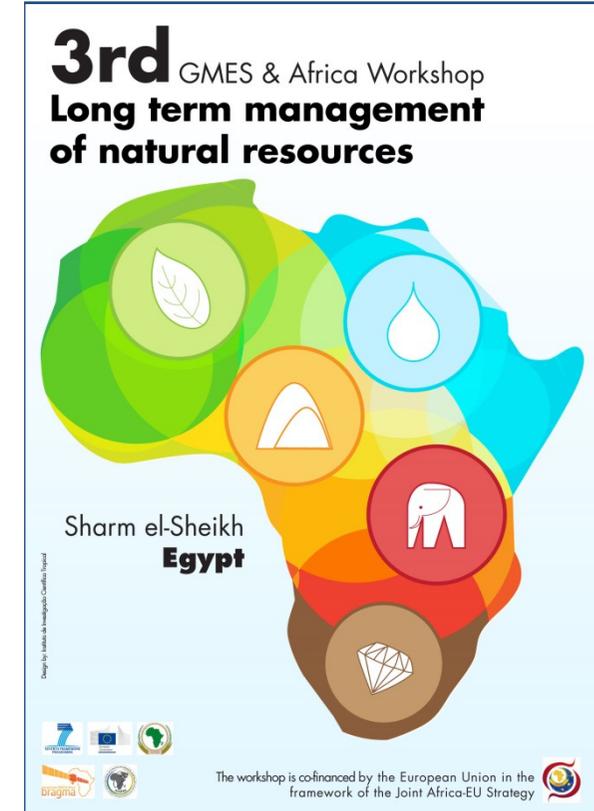
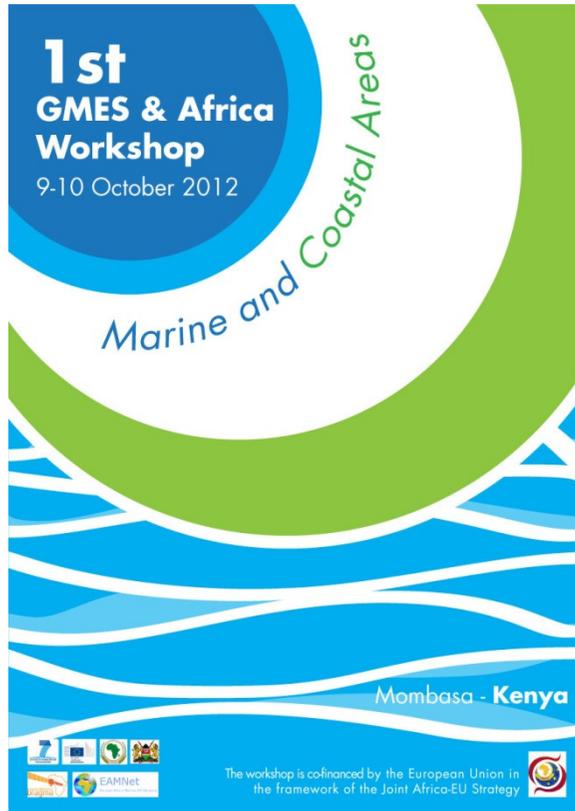
❖ **TIGER** - Looking After Water in Africa (**2002-2015**)

## 3 Thematic Workshops:

1. Marine and Coastal Areas – Kenya
  2. Water Management – Nigeria
  3. Long Term Management of Natural Resources - Egypt
- To contribute to the implementation of the JAES Action Plan producing Concrete and Visible Results through a simpler modular approach
  - To guarantee for the sustainability of the initiative
  - To identify the contribution of GMES services and *GMES & Africa* related projects, supporting a coherent strategy between Europe and Africa
  - To support the effective development, conclusion, endorsement and implementation of GAAP, identifying and facilitating the scope and definition of high priority projects
  - To define modalities to establish African-European operational collaboration to make best use in Africa of GMES Europe services

# BRAGMA - objectives

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



## 4. VALIDATION WORKSHOP (SOUTH AFRICA)





**1st GMES & Africa Workshop Mombasa Kenya**  
Marine and Coastal Areas @ Whitesands Beach Resort 9th - 10th Oct., 2012

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## 2nd GMES & Africa Workshop Water Resources Management



14/15  
May 2013

Abuja - Nigeria



The workshop is cofinanced by the European Union in the framework of the Joint Africa-EU Strategy



# BRAGMA

## • Validation Workshop – South Africa

- 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



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# Thank you

