

1st

GMES & Africa Workshop

Marine and Coastal Areas

Mombasa
Kenya

9-10 October 2012

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



1st

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Marine and Coastal Areas

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Kenya

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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,...)



Space for Development: the case of GMES & Africa

Lisbon event, 6-7 December 2007

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 – Action Plan

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



GMES & Africa – Action Plan

Action Plan to be submitted at the Africa-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 – Coordination Mechanism

	EUROPE		AFRICA
Political	JEG8	MS (PT), EC	MS (TN), AUC
Strategic	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
Technical	Consultation Team	Experts on Thematic Areas	Experts on Thematic Areas
Implementation	Funding Mechanisms	FP7 (Space, Environment, INCO), JRC, EDF, ESA...	African Programs (National, Bilateral, others...)

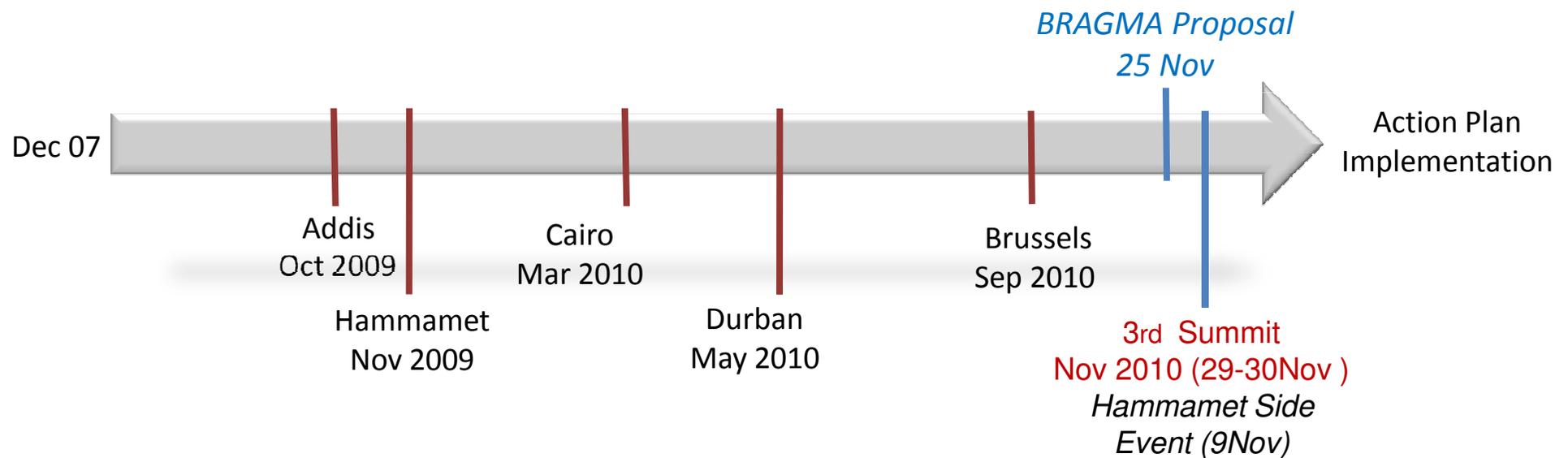


BRAGMA – Background

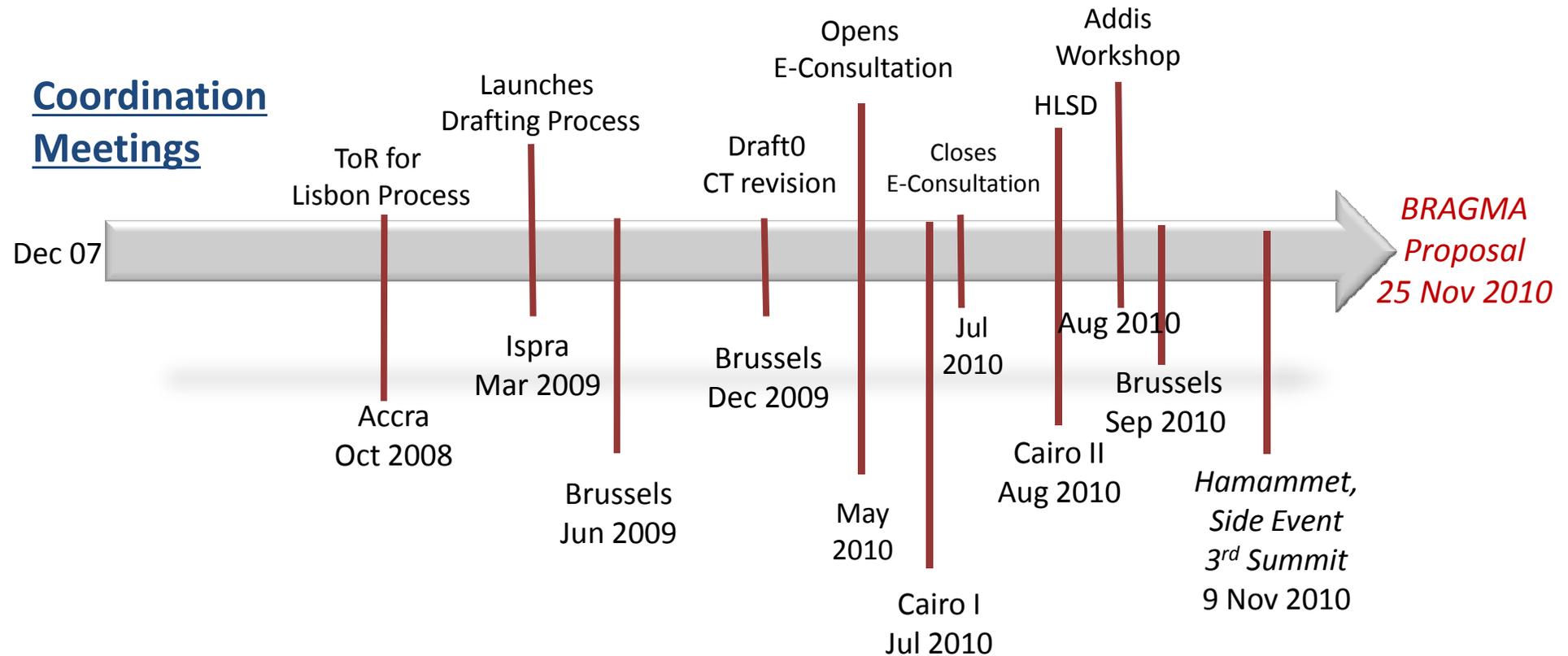
Lisbon Process

Draft, discuss, submit the Action Plan

The process was presented at each JEG8 meeting:



BRAGMA – GMES & Africa Background



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... 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

[HOME GMES Africa](#)
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<http://www.aquaknow.net/gmes-africa>

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



BRAGMA – GMES & Africa Building Blocks

➤ 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)

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. PROVIDE REPORTS ON CONTRIBUTION OF GMES SERVICES AND **GMES & AFRICA RELATED PROJECTS, SUPPORTING A COHERENT STRATEGY BETWEEN EUROPE AND AFRICA**

3. SUPPORT THE EFFECTIVE DEVELOPMENT, CONCLUSION, ENDORSEMENT AND IMPLEMENTATION OF **GAAP**, IDENTIFYING AND FACILITATING THE SCOPE AND DEFINITION OF HIGH PRIORITY PROJECTS



BRAGMA

Promote awareness

WEBSITE

www.bragma.eu

BRAGMA Initiative - Windows Internet Explorer
http://www.bragma.eu/home/default.asp?page=welcome

Supporting GMES & Africa
bragma

Home Community News + Events 8th Africa - EU Partnership

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Calendar

March 2012 Week Month Age

Mon	Tue	Wed	Thu	Fri	Sat	Sun
27	28	29	Mar 1	2	3	4
(9:00am) GEOS						
5	6	7	8	9	10	11
12	13	14	15	16	17	18
+1 more	+2 more	+2 more	+1 more	+1 more	+1 more	
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 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

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

JEG8 @ 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
POWERED BY Google
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BRAGMA Project
BRAGMAProject

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

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BRAGMA

Promote awareness
Connect Networks

Capacity4Dev

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Global Monitoring for Environment and Security (GMES) & Africa

Group type: [Public group](#)

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Marine and Coastal Areas WS - Draft Agenda

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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

▼ [TWG2 – Marine and coastal areas](#)

Information for the Marine WS - Kenya 2012



All WS documents for the Marine and coastal areas Workshop in Kenya - October 2012 are in the [Marine WS - Kenya 2012](#) folder under the "Files" Tab.

Please refer to the [TWG2 – Marine and coastal areas](#) Group for more information.

Any question may be posted in the [WS Dedicated](#)

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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

3 Thematic WS

- 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 analyze 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 outline operational modalities to reach GMES & Africa Objectives – allowing Africa to make full use of the potential of space systems for sustainable development and reinforcing Africa's capacity and ownership in using and contributing to remote sensing science
- To define modalities to establish African-European operational collaboration to make best use in Africa of GMES Europe services

3 Thematic Workshops:

1. Marine and Coastal Areas – Kenya
2. Water Management – Nigeria
3. Long Term Management of Natural Resources - Egypt

BRAGMA

Develop, conclude, endorse,
Implement the GAAP

**1st
GMES & Africa
Workshop**
9-10 October 2012

Marine and Coastal Areas

Mombasa - Kenya

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

**1st
GMES & Africa Workshop**
Marine and Coastal Areas

Mombasa
Kenya
9-10 October 2012
DRAFT Programme
V: 02.10.12

DAY 1: 9 October 2012 (pm)

15:00-17:30	4A Session: Working Groups Discussions	
	1. Modalities for the Working Groups Discussions (working group output guidelines and templates will be provided) 2. 3 Working Groups Parallel Sessions on Working Group Topics	Workshop Moderator Working Group Co-chairs Working Group Rapporteur

Coffee Break

Working Group 1 (simultaneous interpretation ENFR) Co-Chair: Milla Odeh (IOCM/NSIC) Rapporteur: Tim Andrew (WIOMSA) (Ibc)	Working Group 2 (no interpretation service) Co-Chair: (Ibc) Rapporteur: (Ibc)	Working Group 3 (no interpretation service) Co-Chair: Stewart Bernard (CSR) Rapporteur: Steve Gross (FMI)
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Three Discussion Topics:

1. GMES and Africa Services for Marine and Coastal Area Management	2. Networking in a GMES and Africa Service	3. EO Science & Technology for Marine and Coastal Areas
1.1. Marine and Coastal Management, Planning and Policy Issues	2.1. An African Marine and Coastal Surveillance System & Network	3.1. Sentinel Stations and In-situ Data Calibration of Marine and Coastal Parameters (Ground Truthing)
1.2. Data and Information Needs for Marine and Coastal Management and Decision Making	2.2. An African Forecast System and a Disaster Early Warning System	3.2. EO Methods and Modeling for Marine and Coastal Management
1.3. An African Capacity Building Network of Higher Education Institutions for EO Application in Marine and Coastal Management	2.3. An African Network of Coastal Sentinel Stations	3.3. Capacity Building and Maintenance

DAY 2: 10 October 2012

09:00-10:45	4B Session: Working Groups Discussions	
	3 Working Groups Parallel Sessions on Working Group Topics	Co-chairs Rapporteurs

Coffee Break

11:00-12:30	4C Session: Working Groups Discussions	
	3 Working Groups Parallel Sessions on Working Group Topics Preparation of WG Reporting back to Plenary	Co-chairs Rapporteurs

Lunch Break

14:00-16:00	5th Session: Reports from WGs and Plenary Discussions	Moderator / Presenter
	Starting up the GMES and Africa Service -Packaging Actions and Proposals <ul style="list-style-type: none"> Working group output presentation Integrating and clustering outputs around stakeholders, programmes and funding sources Identification of next steps and responsibilities 	Moderator WG Rapporteurs

Coffee Break

16:00-17:00	6th Session: Conclusions	Moderator / Presenter
	Workshop Summary and Action Items <ul style="list-style-type: none"> Reflections Recommendations Endorse the current DRAFT 0 version of the Marine and Coastal Areas chapter of the GMES and Africa Baseline Study Closure 	Moderator / EC / AUC / Kenya

Logos for BRAGMA, EAMNet, and the Joint Africa EU Strategy.