

**GMES**

# **EADS Astrium Vision**

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# GMES – Relevance to Industry

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## ❑ To develop and secure the geo-information market:

- **Anchor market** for sustainable public geo-information services in Europe
- **Public funded market** for preoperational geo-information products and ground infrastructure development by means of ESA and EC budgets

## ❑ To create a future market for sustainable EO satellite systems and ground infrastructure

## ❑ To strengthen the competitiveness of European industry:

- Enhance technical and operational competence in geo-information and satellite systems
- Generate commercial geo-information business in Europe and globally
- Build European industrial alliances and support international partnership

**Key for operational / sustainable EO services and systems**

# GMES – Key Conditions for Success (1/2)



## ❑ Political Pre-Requisites

- Strong involvement of user groups; based on “**user needs**”
- In-time definition and agreement upon scope and programmatic **objectives of GMES** between the various political stakeholders
- Timely positive **EC Council decision**
- Appropriate **management structure** for development and operations
- **Adequate funding** scheme on EC- and ESA side:
  - **GMES programme with dedicated budget lines (fully funded activities)**
  - **Timely start in order to allow for data continuity**
- **Clear interfaces** to national programmes/initiatives
- All layers of GMES need to be developed in full coherency

***GMES has created huge expectations at user's level:  
GMES full development is now urgent***

# GMES – Key Conditions for Success (2/2)



## ❑ Industrial Readiness

- Recently founded Eurospace GMES working group is ready to support EC/ESA in all respect
- EADS Astrium, Infoterra groups and their partners are ready to enlarge their international teams in order to comply with political needs and the challenges we might face
- Industry is ready to start preparation of GMES on all layers: overall architecture, Services & Applications, Data Infrastructure, Ground Segment, Space Segment etc.
- Creation of the Galileo program and the relevant industrial bodies allows for the necessary complements of EO in GMES: Navigation, as well as telecommunications

***All elements are in place, the GMES community and its industry are ready to start !***

# Astrium's Engagement in GMES

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- ❑ **EADS Astrium companies are engaged in EO based Applications & Services since the early 90's with significant in-house investments and strong users involvement**
  - EO Data Service Business for SPOT and ERS
  - GES (Global Environmental Services) initiative together with Khrunichev and the European Commission (DGXII, Cresson) in 1998
  - Foundation of Infoterra GmbH/Ltd and investment in TerraSAR-X programme
  - Significant co-investment in GMES related service activities since 2000
  
- ❑ **It's EADS Astrium wish, with its services & applications subsidiaries and with its mother-company EADS, to serve as backbone for open European teamings for GMES**
  - EO Space programs as the key element for information society, the « toolkit » for the GMES users, with in situ- and airborne data
  - Navigation and telecommunication as key complements

***EADS-Astrium strategy is fully in line with the GMES spirit, for the long term, as a service oriented company !***

# Astrium's Focus Service Themes

- Focus Service themes due to high rating of their service markets and in-house heritage:

- Land Cover Change / Environmental Stress in Europe

↳ **Geoland (EC), SAGE (ESA), etc.**

- Systems for Risk Management

↳ **RiskEOS (ESA), Eurorisk (EC), etc.**

- Systems for Crisis Management & Humanitarian Aid

↳ **Shades (ESA)**

- Astrium will support other themes in the near future, and is ready to respond swiftly to users communities requests:

- Water Management

- Global Atmosphere