

What will GMES provide?

GMES will be able to deliver services that can be classified in three categories:

- **Mapping the Earth's surface**

Land use, forests' inventory, polar regions' status, marine and coastal regions monitoring, ...

- **Support to risk management**

Improved management of floods, forest fires, landslides, volcanic activity. More efficient support to humanitarian aid.

- **Forecasting**

Oceans and coastal areas, air and water quality, levels of pollution, ...

More about GMES

To learn more about GMES, visit the following websites:

www.gmes.info

www.esa.int/esaLP/LPgmes.html

or consult the links listed on the webpage:

www.gmes.info/linkliste.0.html

When will GMES start?

Three pilot services are under development and should be operational by 2008:

- **Emergency response**

The objective is to reinforce the European capacity to deliver information in order to respond to crises and emergencies associated with natural and man-made disasters.

- **Land monitoring**

The objective is to deliver information on land use and land cover changes for a number of targeted policy areas at global, European, national and local scales (climate change modelling, global dimension of EU environment and development policies).

- **Marine services**

The objective is to provide information on the state of the oceans and coastal areas, including:

- global and regional data sets; and
- operational analyses and forecasts (e.g. ocean current, temperature, salinity fields) over oceans and seas at global and regional level.

From 2008 onwards, there will be a gradual introduction of other services, in response to requirements of European policies and various user communities.



GMES – Global Monitoring for Environment and Security

Services for European citizens helping to improve their quality of life through a global understanding of the environment and many other aspects of everyday life.



I am very happy that you have agreed to help us choose a name for one of the most ambitious, exciting and far reaching projects of the European Union: GMES or Global Monitoring for Environment and Security.

This competition is very important for me because it brings Europe's young citizens onboard this European project at the very beginning of its development.

GMES can provide us with the tools to improve our environment and will help us to keep our planet safe and healthy.

I value your input and your ideas.
May the best team win!

Good luck,

Günter Verheugen
Vice-President of the European Commission in
charge of Enterprise and Industry



What is GMES?

GMES is a European initiative to provide the information necessary for:

- monitoring and forecasting environment-related developments; and
- handling issues related to the security of the citizens.

Why is GMES needed?

- To establish an independent capacity, offering continuous support to European environmental and security goals;
- To provide a vital part of Europe's contribution to issues affecting the global environment of our planet and its long-term sustainability; and
- To collect, integrate and distribute information from diverse sources, offering a guaranteed standard and a certified quality.

How will GMES work?

GMES will:

- optimise already existing capacities and human resources;
- develop efficient means for measurement and collection of sustainable and reliable data;
- integrate measurements into interconnected analysis systems that will allow comprehensive monitoring and forecasting of our environment; and
- make the information available to all users.