



EnviroGRIDS has developed its own capacity building strategy to strengthen people, institutions and infrastructures for GEO and INSPIRE activities in the Black Sea region.




enviroGRIDS @ Black Sea Catchment






## Build your SDI capacity for GEOSS and INSPIRE interoperability with enviroGRIDS...

**Work together!**




**Human capacity building strategy:**

- Teach policy and decision makers about GEOSS and INSPIRE
- Teach the technicians how to install a GEO nodes
- Teach the partners of the project to become the future trainers
- Organize a serie of hand-on sessions in the Black Sea region
- Develop an e-learning platform
- Demonstrate the interest of GEOSS to end users
- Show the potential of GEOSS to the public




**Think big!**



**Infrastructure capacity building strategy:**

- Promote GGC, GEOSS, INSPIRE, UNSDI interoperability standards
- Create a new distributed SDI for the Black Sea catchment
- Build a GRID-enabled SDI for data storage and processing
- Connect real time sensors and remote sensing data
- Build an observation system for decision makers
- Build an observation system for citizens


**Institutions...**



**Institutions capacity buildings strategy:**

- Connect 27 partners in 15 countries
- Target the needs of two main end users: BSC PS and ICPDR
- Prepare a Gap analysis
- Publish factsheets, newsletters and policy briefs translated in regional languages
- Involve International Organisations as partners: UNEP; UNESCO; CERN
- Integrate officially the work plan of UNEP and GEOSS
- Create close collaborations with other EC projects: GENESI-DR, EuroGEOSS, PEGASO, ACQWA,...
- Work with IEEE for capacity building and quality assessment

**Share...**

Consultants: ARIST, Saltwater, AZOOS, Usterix, BSC, Turkey, EOTEC, Bulgaria, CCDC, Czech Republic, CERN, Serbia and CHU, CRD, Italy, EDW, Romania, ERWD, Ukraine, EAPPA, Performance, Georgia, Georgia, ISS, Ukraine, ICPDR, Austria, YAF, Romania, IRE, The Netherlands, ITU, Turkey, INCOM, Romania, CHU, Ukraine, IPEIU, Russia, Fedorick, THU, Ukraine, UAE, Spain, USREP, Ukraine, UTOM, Romania, VITUK, Hungary, SORESMA, Bulgaria

**Aiming at better than useful science...  
... used science!**

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## Institution

Institutions capacity buildings strategy:

- Connect 30 partners in 15 countries
- Target the needs of main end users: BSC PS, ICPDR and UNEP
- Prepare a Gap analysis
- Publish factsheets, newsletters and policy briefs translated in regional languages
- Involve International Organisations as partners: UNEP; UNESCO; CERN
- Integrate officially the work plan of UNEP and GEOSS
- Create close collaborations with other EC projects: GENESI-DR, EuroGEOSS, PEGASO, ACQWA,...
- Work with IEEE for capacity building and quality assessment

## People

Human capacity building strategy:

- Teach policy and decision makers about GEOSS and INSPIRE
- Teach the technicians how to install a GEO nodes
- Teach the partners of the project to become the future trainers
- Organize a series of hand-on sessions in the Black Sea region
- Develop an e-learning platform
- Demonstrate the interest of GEOSS to end users
- Show the potential of GEOSS to the public

## Infrastructure

Infrastructure capacity building strategy:

- Promote OGC, GEOSS, INSPIRE, UNSDI interoperability standards
- Create a new distributed SDI for the Black Sea catchment
- Build a GRID-enabled SDI for data storage and processing
- Connect real time sensors and remote sensing data
- Build an observation system for decision makers
- Build an observation system for citizens

## enviroGRIDS WORKSHOPS

Several workshops are being organized around the Black Sea to Bring GEOSS and INSPIRE into practice, and to present them to important decision and policy makers makers.



## Bringing GEOSS Services into practice



[Next workshop: 23 September 2011, Istanbul, Turkey](#)

The Black Sea regional training workshop series "Bringing GEOSS Services into Practice", sponsored by the European Commission's 7th Framework Programme (FP7) project enviroGRIDS, aims at teaching how to install, configure and deploy a set of open source software to publish and share spatial data and metadata through the Global Earth Observation System of Systems (GEOSS) using OGC web services & ISO standards.

GEOSS has been created as an international voluntary effort that connects geospatial and Earth Observation and information infrastructures, acting as a gateway between producers of environmental data and end users. The aim of GEOSS is to enhance the relevance of Earth observations and to offer public access to comprehensive, near- real time data, information and analyses of the environment.

The training workshop covers interoperability, hands- on experience with web portals, information access, open source software and spatial data sharing through web services and the GEOSS registries.

Consult the project agenda to see when the next workshops are planned in the Black Sea region.

**GEOSS for Decision Makers in the Black Sea Area**



**INSPIRE**

Concerning INSPIRE, we have written a white paper describing the INSPIRE Directive and giving a quick overview on tools available allowing exposing INSPIRE-compliant services (discovery, view, download, and transformation). It is available below:

{jd\_file file==INSPIRE tools}