

From Free and Open Earth Observation to Innovative Applications- the MYGEOSS Approach

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*Serving society
Stimulating innovation
Supporting legislation*



Outline

MYGEOSS Project Context and Description

The First/Second Calls for Innovative Apps

Lesson learned

Next Steps and Conclusion

GEOSS Data Sharing Principles:

- ❖ There will be full and open exchange of data, metadata and products shared within GEOSS, recognizing relevant international instruments and national policies and legislation;
- ❖ All shared data, metadata and products will be made available with minimum time delay and at minimum cost;
- ❖ All shared data, metadata and products being free of charge or no more than cost of reproduction will be encouraged for research and education.

GEOSS Data-CORE:

- ❖ The **GEOSS Data Collection of Open Resources for Everyone** is a distributed pool of documented datasets with **full, open and unrestricted access** at no more than the cost of reproduction and distribution.
- ❖ It embodies the commitment to the Data Sharing Principles
- ❖ There are more than **5 million** data resources in the GEOSS Data-CORE.



Opening data
and removing
barriers to its
sharing is a
necessary first
step



MYGEOSS is a two-years project by the European Commission to develop GEOSS-based smart applications informing European citizens on the changes affecting their local environment.

Aims

- To involve European Small Medium Enterprise (SMEs) more in GEOSS and harness the opportunities of using Full and Open access data contained in the GEOSS Data-CORE.
- To stimulate demand by involving citizen science projects, citizen observatories, and the public at large via mobile applications based on Earth Observation data products and services

MYGEOSS Call For Innovative Mobile/ Web Apps in the environmental and social domains

First Call: 18 March 2015, closed 30 April 2015

Second Call: 7 September 2015, closed 30 September 2015

Mandatory Requirement:

use of **Full and Open**
access data or crowd-
generated data including
but not limited to the
GEOSS Data-CORE as well
as open data from EU-
funded projects.



FIRST CALL:

58 applications from 13
EU countries:

- 63% from SMEs
- 27% from Universities and Research Centres
- 10% by individual

closed 30 April 2015

SECOND CALL:

42 applications from 15
EU countries:

- 43% from SMEs
- 36% from Universities and Research Centres
- 21% by individual

closed 30 April 2015



Evaluation Criteria

- ❖ Relevance for use in Europe
- ❖ Contribution to environmental or social objectives including active citizen participation in data collection and analysis
- ❖ Innovative characteristics of the proposed application
- ❖ Ease of use of the apps for non-expert users

MYGEOSS now:

- The winning apps of the first call have been developed over the last 3 months and will be presented at the GEO-XII Plenary meeting in Mexico City in November 2015.
- The winner of the Second Call will be announced at the GEO-XII Plenary meeting and will be presented during an international event in May-June 2016. Meanwhile the third call for innovative apps will be launched (March 2016).
- All data and source code of the apps will be Full and Open access, and contribute to the GEOSS Data-CORE

Lesson Learned -1

Full and Open data concept is not always clear:

- Lack of background knowledge (e.g. I can download it from the web, it's for free.... So it's full and open!!)
- License or Terms of Use not clearly specified by data provider



Lesson learned -2



Preparing the call and trying to extract a potentially useful subset of datasets from the CORE has shown how complex this is and how we need to work closer with the user community to label data needed to support GEOSS objectives.



Conclusions

- The project is already contributing to raising awareness about the GEOSS Data-CORE and GEOSS in general among organizations and SMEs not previously aware of this important initiative.
- The lessons learned will support the implementation of new Foundational tasks in the next GEO workplan (e.g. GEO Knowledge base to policy question, data, process, and fitness for purpose by users.)



... find out more at:

[http://digitalearthlab.jrc.ec.europa.eu/
mygeoss/index.cfm](http://digitalearthlab.jrc.ec.europa.eu/mygeoss/index.cfm)

Thank you

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