

19-21 JUNE 2017, HELSINKI

EUROPEAN GEO WORKSHOP

EuroGEOSS: Shaping
the European contribution
to GEOSS

<http://europa.eu/!Wq67yk>

#EGW2017



FINNISH
METEOROLOGICAL
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GEO-CRADLE dissemination activities promoting GEO and Copernicus in BAMENA

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GEO-CRADLE Communication Manager





GEO-CRADLE brings together key players representing the Region of Interest (Balkans, North Africa and Middle East) and the complete EO value chain therein, with the **overarching objective of establishing a multi-regional coordination network** that will:

- 1.....
- 2.....
- 3.....

4. Contribute to the improved implementation of and participation in GEO, GEOSS, and Copernicus in the region.



How can we achieve that??

With targeted stakeholder engagement and communication activities!

This will be culminated with the production of a dedicated **Roadmap** for the Implementation of GEO and Copernicus in the region.

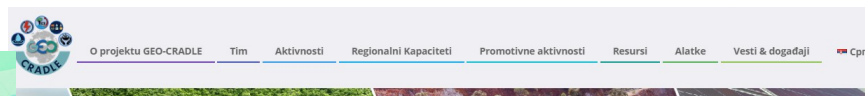
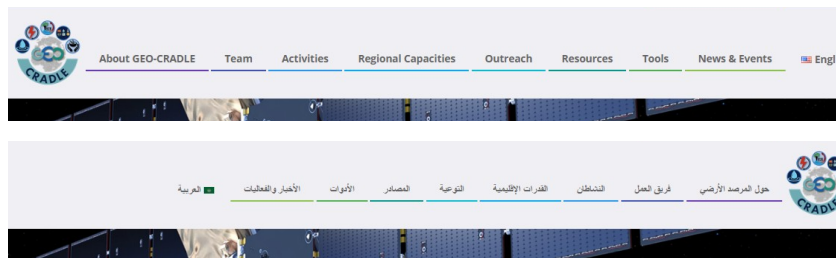
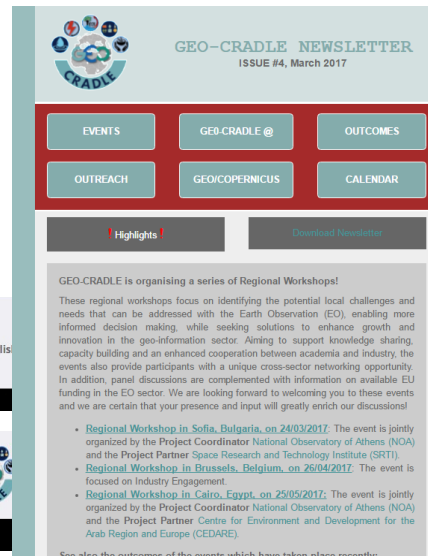


How can the impact of the GEO-CRADLE project be maximized through the communication, dissemination activities?



Dissemination and Communication Tools

- GEO-CRADLE Website and Portal
- Newsletters
- Social Media
- Communication material
- Participate in Conferences - Workshops
- Organise dedicated Workshops



GEO capacity development, contribution to SDGs and realization of regional impacts derived from GEO European Projects

Wednesday 21 June, 2017 | 9.00–12.30
Break-out session 17 | Room: Aura (level 0)

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Taking into consideration the EO capacities, needs and challenges of the region and the language diversity, **a series of GEO-CRADLE regional workshops** were organised in order to achieve an effective and coherent external communication.

10 Regional Workshops took place:

Date	Location
27/04/2016	Cairo, Egypt
14/07/2016	Novi Sad, Serbia
26/09/2016	Tirana, Albania
17-18/10/2016	Rabat, Morocco
19/10/2016	Timimoun, Algeria
16/11/2016	Limassol, Cyprus
03/01/2017	Chişinău, Moldova
02/02/2017	Abu Dhabi, United Arab Emirates
24/03/2017	Sofia, Bulgaria
26/04/2017	Brussels, Belgium (Industrial market)



GEO-CRADLE regional workshops

These regional workshops focus on **identifying the potential local challenges and needs** that can be addressed by Earth Observation (EO), enabling more informed decision making, while seeking solutions to enhance growth and innovation in the geo-information sector.

Aiming to support knowledge sharing, capacity building and an enhanced cooperation between academia and industry, the events also provide participants with a unique cross-sector networking opportunity.





What we really wanted to know?

- Who are the EO players in each of these countries?
- Do they have EO capacities?
- Are they aware for their needs in terms of capacity building?
- Do they collaborate with other national organizations/companies?
- Which are the GEO-CRADLE pilot(s) they are interested in?
- Are they aware of GEO-GEOSS and Copernicus?
- What National EO activities do they have?
- What EO national priorities do they have?
- Do they have EO national funding instruments?

NATIONAL ACTIVITIES

Is there funding for EO activities available in your country?

Is there a National Space Policy/Strategy?

Is there a Space Agency in your country?

Which of the following best describes the level of coordination of EO activities in your country?

Which of the following best describes the level of interaction between the EO community and decision makers in your country?

Can you give examples of high impact EO dedicated workshops organized in your country in the last decade?

ENGAGEMENT IN GEO-CRADLE

Would your Organisation be interested in contributing with its capacities to a regional initiative of GEO and/or Copernicus, addressing regional needs in the domains of Climate Change, Access to Raw Materials, Energy, Food Security and Water?

Would you be interested in providing feedback to the GEO-CRADLE consortium for establishing a roadmap for the implementation of GEO and Copernicus in North Africa, Middle East and the Balkans?



What did we communicate?

- GEO-CRADLE Knowledge and experiences
- GEO-CRADLE Networking initiatives
- Copernicus material
- GEO and Copernicus initiatives
- How to establish a GEO national or regional Initiatives
- EU funding opportunities
- Other Funding Instruments
- How to get involved in Copernicus data etc
- A survey to fill in their capacities in order to register in the GEO-CRADLE networking platform!



GEO Regional Activities

The **AfriGEOSS initiative**, developed within the GEO framework, will strengthen the link between the current GEO activities with existing capabilities and initiatives in Africa.

This coordination initiative has been recognized essential to enhance Africa's capacity for producing, managing and using Earth observations, thus also enabling the Region's participation in, and contribution to, the Global Earth Observation System of Systems (GEOSS).

AfriGEOSS aims to provide the necessary framework for African countries and organizations as well as international partners to access and leverage on-going local and international bilateral and multilateral EO-based initiatives across Africa, thereby creating synergies and minimizing duplication for the benefit of the continent.





National GEO Initiatives

Greek GEO Office

GGO, as the focal point of GEO activities in Greece, addresses the need for a permanent coordination mechanism of GEOSS activities at the national level, at the same time building interfaces with GEO and the Greek State. Its main vision is to act as a springboard for the implementation of GEOSS in Greece and promote collaboration within the country but also with neighboring countries with proven capacity in the field.

In this context, GGO aspires to:

- participate with leading role in national strategic planning towards meeting GEO's regional vision
- provide reference and optimize efforts for coordinating EO activities and capacities in the region to effectively address national and regional needs
- maximize synergies amongst key EO partners in Greece, placing special effort in engaging user communities, stakeholders and the industry sector (including SMEs)
- foster the exploitation of best practices between EO players at the national level
- identify and trigger exploitation of synergies in terms of funds raising, capacities and cross-discipline research, via community building and networking



First steps to establish a National GEO Office

1. Establish direct link with your National GEO Delegation team and contact persons.

For Egypt the GEO Delegation team

2. Inquire with them the relevant Ministry/Directorate/Secretariat or other governmental entity that supervises GEO activities at the national level (e.g. the one that has assigned your National GEO Principles), and decide the process to officially establish a National GEO Office, upon consensus regarding the necessity and benefits of such an initiative.

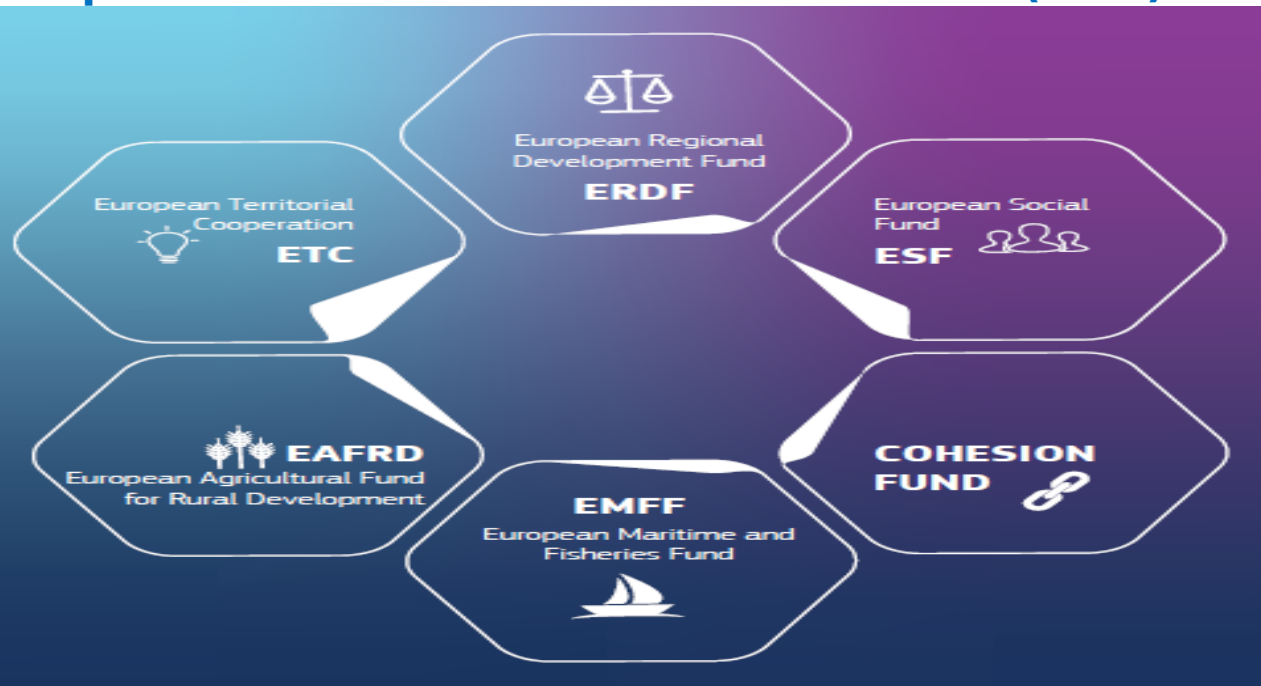
3. Decide commonly an efficient structure for your GEO Office, a framework of operation and duties, and assign active and envisioned persons to undertake its operation. The Greek GEO Office structure is here presented for your reference while more information can be found in the Greek GEO Office site (<http://www.greekgeo.noa.gr>).

4. It is suggested that your GEO Office could be hosted by an EO relevant authority or (research) institution, that will be able to handle logistics or cover small starting expenses (e.g. travel costs, office consumables). The selection of the GEO Office personnel could also derive from this hosting entity, and given the work load from the Greek experience it can efficiently be a part time job of existing, still dedicated and experienced, personnel.



EU Funding Opportunities

European Structural and Investment Funds (ESIF) 2014-2020



- 1) European Regional Development Fund (ERDF)*
- 2) European Social Fund (ESF)
- 3) Cohesion Fund (CF)
- 4) European Maritime and Fisheries Fund (EMFF)
- 5) European Agricultural Fund for Rural Development (EAFRD)

* including European Territorial Cooperation (ETC) / INTERREG

https://ec.europa.eu/info/funding-tenders/european-structural-and-investment-funds_en



Funding opportunities for the BAMENA

EU Funding Opportunities

1. GMES AND AFRICA – MAKING DEVELOPMENT SUSTAINABLE

The GMES & Africa Support Programme has an indicative envelope of €30 million. It is funded by the European Commission through Pan African Programme for €29.5 million distributed as follows:

- €17.5 million for Grants
- €6 million for capacity development, outreach and awareness creation, PMU staff salaries, programme management and coordination, etc.
- €6 million for the technical support, including the technical assistance.

<https://au.int/web/en/GMESAfrica/2017call>



EU Funding Opportunities

EU Framework Programme for Research and Innovation (Horizon 2020)

The PRIMA initiative

The Commission has agreed on a proposal for a **Partnership for Research and Innovation in the Mediterranean Area**, PRIMA, which is set to develop much-needed novel solutions for **sustainable water management and food production**.

Funding for the **€400 million** partnership will come from the participating countries (currently around €200 million), matched by a €200 million contribution from the EU through its current research framework programme Horizon 2020.

The partnership is scheduled to run for **10 years**, starting in **2018**.

The PRIMA Joint Programme involves 19 countries:

- 11 Member States: **Croatia, Cyprus, the Czech Republic, France, Greece, Italy, Luxembourg, Malta, Portugal, Slovenia and Spain;**
- 8 third countries: **Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, Tunisia and Turkey.**

Of these, 14 countries (Cyprus, the Czech Republic, Egypt, France, Greece, Israel, Italy, Lebanon, Luxembourg, Malta, Morocco, Portugal, Spain and Tunisia) have agreed to jointly undertake the PRIMA initiative.

The participation of **Germany** is currently under negotiation. As the initiative is evolving over time, more participants are expected to follow, both EU and non-EU countries.



<http://ec.europa.eu/research/environment/index.cfm?pg=prima>



International Funding Opportunities

World Bank funding

<http://projects.worldbank.org/sector?lang=en>

<http://projects.worldbank.org/sector?lang=en&page>

Relevant to GEO-CRADLE:

Agriculture, fishing, and forestry

Water, sanitation and flood protection

Energy and Mining



COPERNICUS SERVICES

*Monitoring the State of the
Earth System Environment ...*



*... Six cross-cutting
Thematic Services*



GEO-CRADLE Success stories



GEO-CRADLE Regional Workshop in the Balkans

14/07/2016, Novi Sad, Serbia

- ✓ **Brought together 80 participants from over 10 countries, in a region where the EO community is highly fragmented.**
- ✓ Provided various organizations along the EO value chain with firsthand insights into existing regional capacities, new approaches in EO on a regional scale and success stories.
- ✓ **Explored end-user needs**, EU funding options and the opportunities for future cooperation and long term beneficial engagement.
- ✓ Connected the dots across the EO value chain, by providing the ground for key players from public sector, academia and innovative SMEs to consider challenges and areas for improvement of EO-based services in the Balkans with real impact in the public and private sectors.



GEO-CRADLE Regional Workshop in the Middle East 02/02/2017, Abu Dhabi, UAE

- ✓ **Brought together public administration, academic and research organizations, as well as SMEs.**
- ✓ Presented different but complementary perspectives on EO, providing participants with a unique cross-sector networking opportunity, supporting knowledge sharing and an enhanced cooperation between academia and industry.
- ✓ **Disseminated Copernicus and GEO** and provided information on available EU and international funding in the EO sector.
- ✓ **Identified the potential local challenges** hindering the EO market uptake and business performances, seeking solutions to enhance growth and innovation in the geo-information sector.
- ✓ Enriched GEO-CRADLE findings in EO capacities and skills recording, user needs analysis, maturity assessment and priorities setting in the region.



GEO-CRADLE Regional Workshop in North Africa 25/05/2017, Cairo, Egypt

- ✓ **Brought together 50 participants from Egypt and the neighboring countries, from both public and private sector, including public authorities, academia and industry.**
- ✓ **Gave participants the opportunity to network, share knowledge and experiences** from other previous or ongoing projects, exchange views and begin or enhance cooperation.
- ✓ **Highlighted the products and services of Copernicus and GEO** and presented the available EU and international funding opportunities and current initiatives in the EO sector.
- ✓ **Updated the GEO-CRADLE inventory on the regional EO capacities and skills,** user needs, challenges and priorities.
- ✓ **Confirmed the interest of end-users for the GEO-CRADLE pilots** and further advanced their active engagement.



اختتام ورشة عمل "التغيرات المناخية والطاقة الشمسية"

الجمعة 26 مايو/ 2017 - 09:30 م



صورة من ورشة العمل

محمد ولبع

اختتمت أمس الخميس ورشة العمل التي أقيمت بأحد فنادق القاهرة، حول الدكتور هشام العسكري، أستاذ علوم الأرض والاستشعار عن بعد، وعصر سيداري (مركز البيئة والتنمية للإقليم العربي وأوروبا)، ود. محمد الخياط نائب رئيس هيئة الطاقة الجديدة والمتجددة ولقيا من الخبراء الدوليين المتخصصين.

من جانبه أكد الدكتور هشام العسكري، أستاذ علوم الأرض أن توافر البيانات الخاصة برصد الأرض، هو حجر الزاوية في التصدي للتحديات البيئية ورصد وتتبع التغيرات على الأرض، والتي تساعد على التنبؤ بما قد يحدث مستقبلاً، سواء أكانت هذه البيانات عن طريق الاستشعار عن بعد "remote sensing"، أو من خلال محطات الرصد الأرضية ومن خلال

●●○○ AT&T

12:50 PM

48%

Back

2 Messages
Solar Atlas

Egyptian Ministry of Electricity & Renewable Energy (MoERE)
New & Renewable Energy Authority (NREA)
Chief Eng. Amgad M. M. Elhewehy
Manager of Solar (PV-SWH) Testing Laboratories
CSP Expert
Studies, Research & Tests Sector
Mob: +201022434474

See More

Mohammed El-Khayat

12:42 PM

To: Hesham & 3 more...

Details

ME

Dear Dr Hesham

I got it. It seems impressive ... It is a distinguished work ..

Thank you very much ...

Best Regards

Dr. Eng. Mohamed Mostafa El-Khayat
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GEO-CRADLE Dissemination next steps



These regional workshops helped to bring together different stakeholders from each of the countries or regions, to overcome the regional differences and to promote the GEO-CRADLE survey to national and regional stakeholders and users.

Taking into account the above and in combination with the GEO-CRADLE survey we pinpointed the target audience which GEO-CRADLE concerns, which are

- Raw data/providers,
- Value-adders (data process-modeling),
- GIS/mapping service providers,
- End Users or End Users with in house GIS/ mapping capabilities.

Next Steps: 3 Regional Workshops will take place during 2017

- Israel, Turkey, Tunisia





Thank You!



**networking never stops
@ GEPW11 - Helsinki**

