GEO-CRADLE
Regional Workshop

TEL AVIV | 14-9-2017

GEO-CRADLE project in context of regional needs

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GROUP ON EARTH OBSERVATIONS

Copernicus

Challenges in GEO-CRADLE

… is the only EU GEO funded CSA that runs over the diversified territories of North Africa, Middle East and Balkans;

✓ **Identifying common needs and regional priorities**;

✓ **Fostering the regional cooperation and integration of monitoring capabilities and skills, and facilitating the networking of stakeholders**;

✓ **Defining coordination and support actions that are beneficial from societal and market wise point of view, and also realistic and in line with the domestic priorities and user needs;**

✓ **Proposing/setting up large scale regional initiatives in Earth Observation (space based and in-situ) relating to capacity building and delivery of services and innovative information in the thematic areas of the project such as:**

Adaptation to Climate Change

Improved Food Security – Water Extremes Management

Access to Raw Materials

Access to Energy

Objectives

- ✓ Promote the uptake of EO services and data in response to regional needs.
- ✓ Support the effective integration of existing Earth Observation Capacities in the region.
- ✓ Facilitate the engagement of the complete ecosystem of EO stakeholders in the region.
- ✓ Enhance the participation in and contribution to the implementation of GEOSS and Copernicus in North Africa, Middle East and the Balkans.

GEO-CRADLE Thematic Areas vs UN SDGs

Adaptation to Climate Change (ACC)

13 CLIMATE ACTION
3 GOOD HEALTH AND WELL-BEING
11 SUSTAINABLE CITIES AND COMMUNITIES
15 LIFE ON LAND

Improved Food Security – Water Extremes Management (IFS-WEM)

2 ZERO HUNGER
12 RESPONSIBLE CONSUMPTION AND PRODUCTION

Access to Raw Materials (ARM)

1 NO POVERTY
2 ZERO HUNGER

Access to Energy (SENSE)

7 AFFORDABLE AND CLEAN ENERGY
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

17 PARTNERSHIPS FOR THE GOALS

5 GENDER EQUALITY

Challenges in GEO-CRADLE

… is the only EU GEO funded CSA that runs over the diversified territorie… …ans;

Seeking to identify common needs, create synergies, and integrate c…

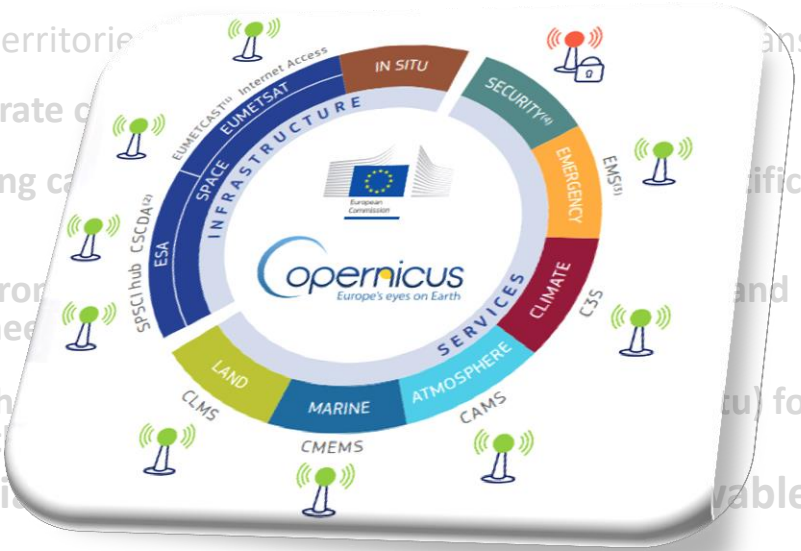
Fostering the r… …integration of monitoring ca… …ific skills;

Defining and… …al from… …and also realisti… …er nee…

Proposing/setting up large scale regi… …on th… …tu) for capacity building and also addressing societal priorities in the t…

Adaptation to Climate Change, Access to Raw Materi… …vable Energy Resources, and Food Security.

GROUP ON EARTH OBSERVATIONS



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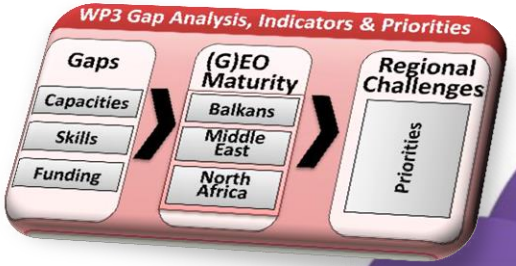
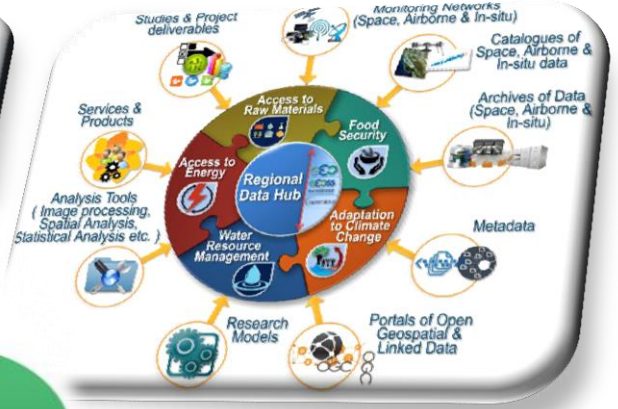
What useful results have emerged so far





Regional Data Hub

Capacities Survey

Pilots

Network of Stakeholders

http://geocradle.eu/platform/

The Regional Priorities - Priority Definition Workflow

Identify recommenda-tions

- Identify national EO recommendations as perceived from GEO-CRADLE partners.

Define the priority framework

- Propose a priority framework.
- What are the criteria to consider in the definition of priority goals?

Develop the regional action plan

- Builds upon the national priorities the regional priorities by looking at the commonalities of national actions with the RoI as well as the specificity of the region.

Validate the action plan

- Validate the action plan with decision makers.
- How to ensure that the action plan is in adequacy with real needs in the RoI?

More than 40 priority proposals have been drafted and after consolidation a number of common regional service delivery and capacity building challenges were promoted.

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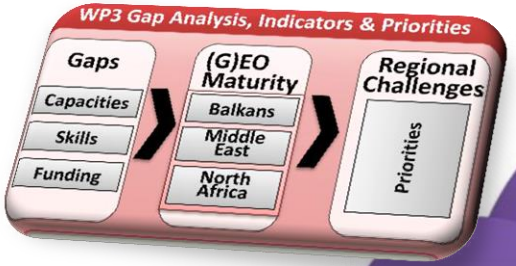

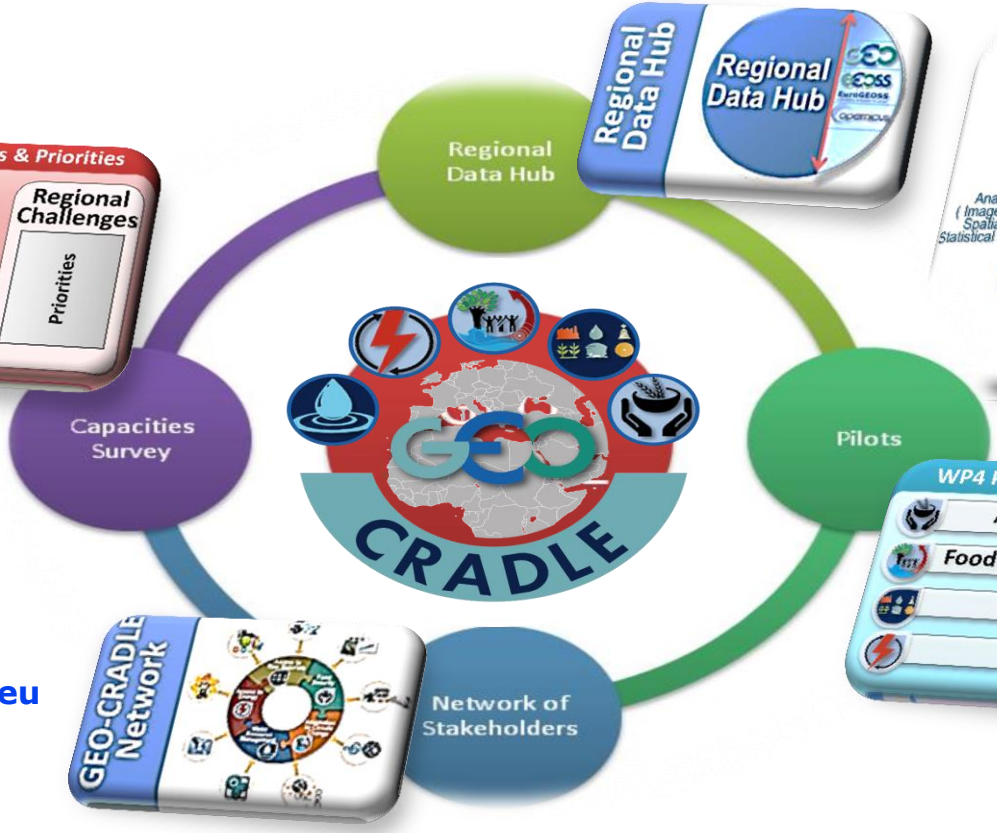

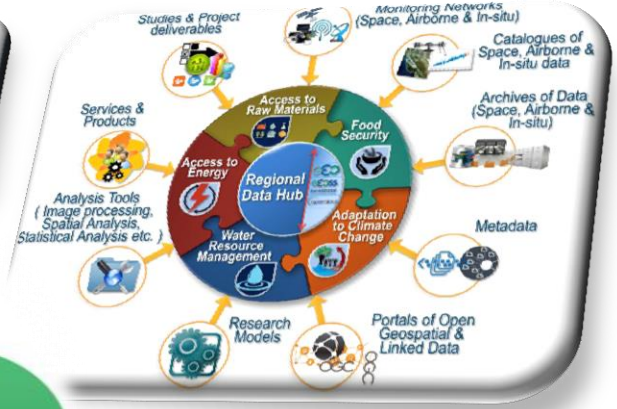

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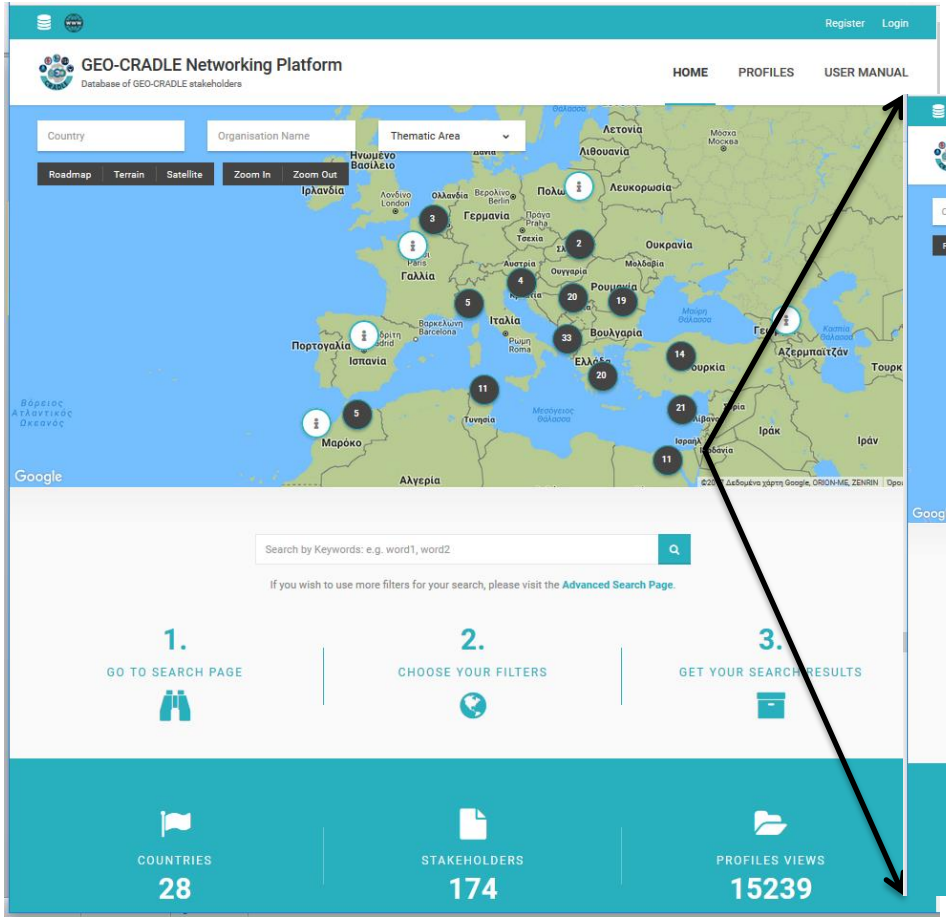
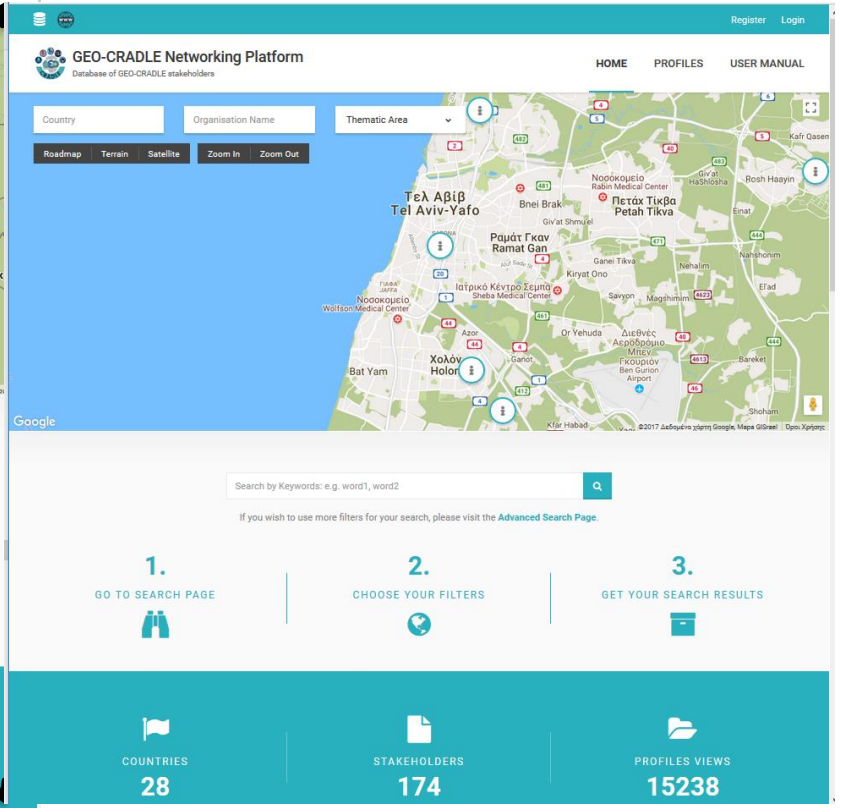
GEO-CRADLE Networking Platform





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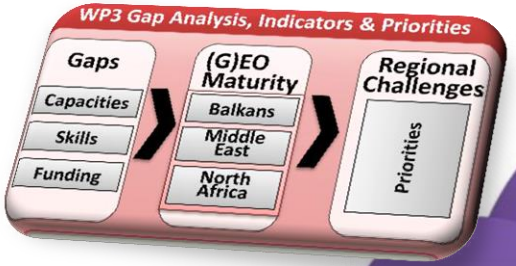

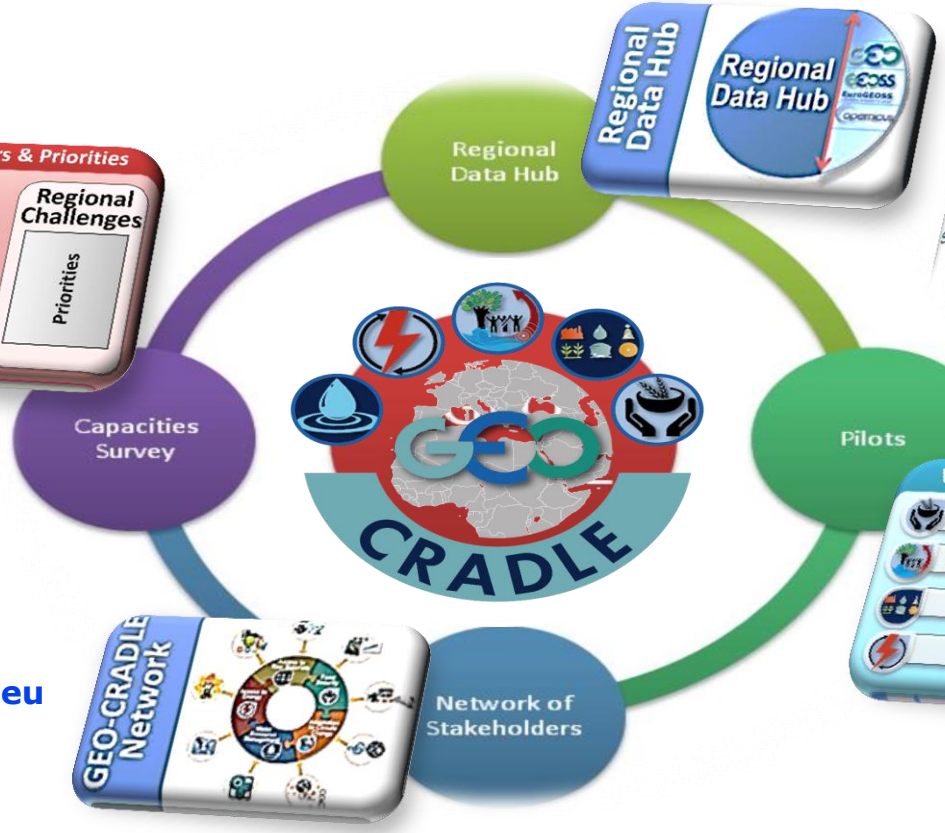

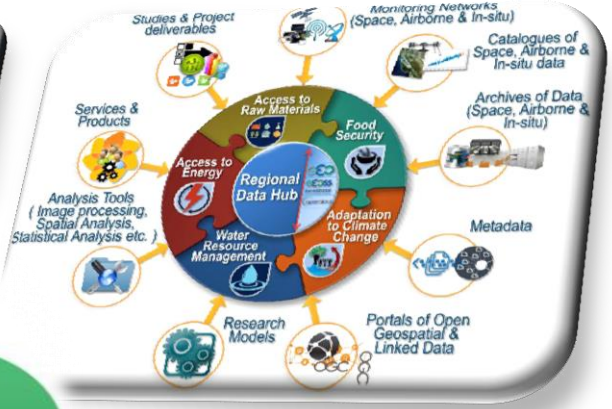

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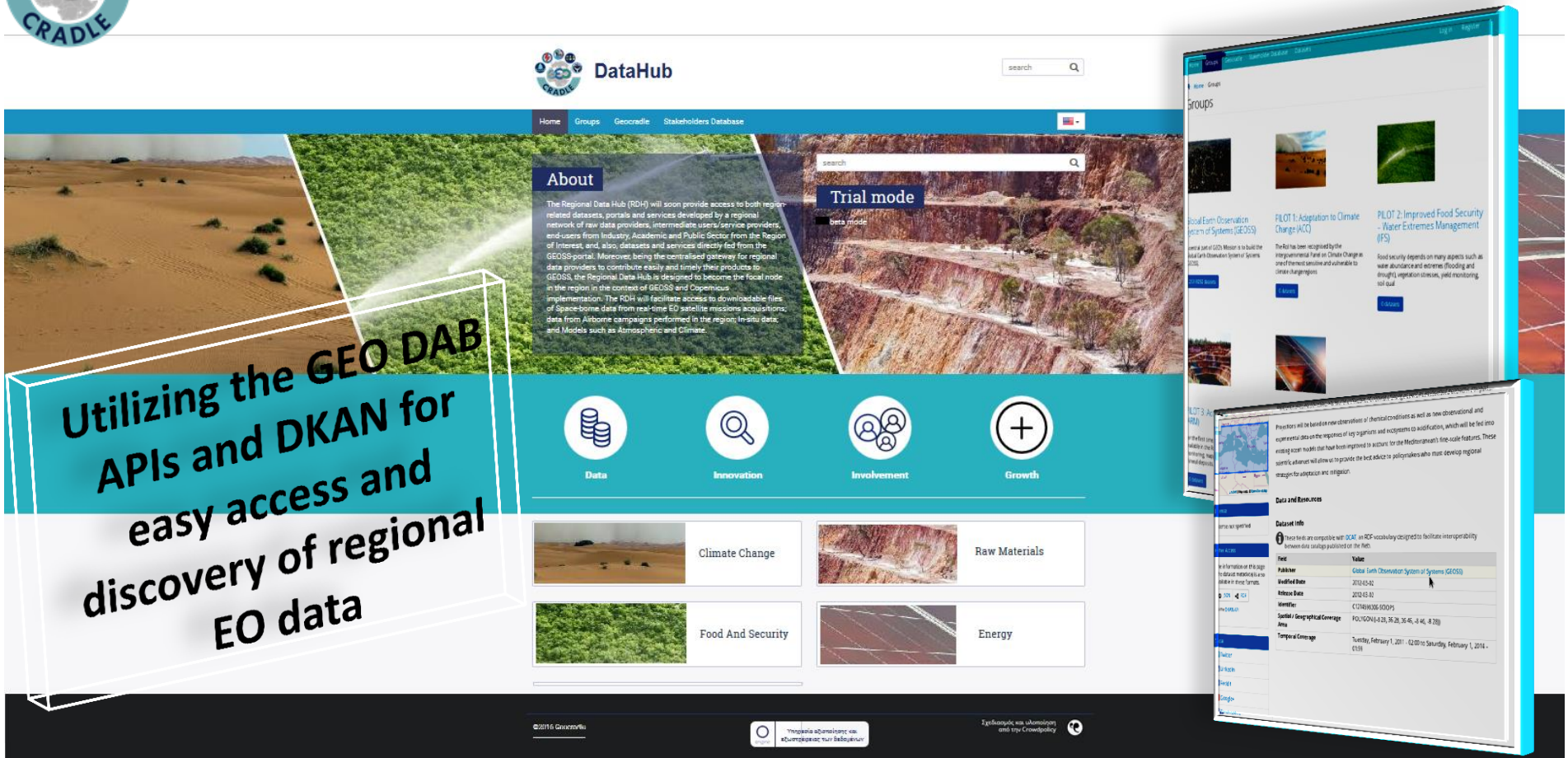
Regional DataHub – Connection with GEOSS & Regional Portals



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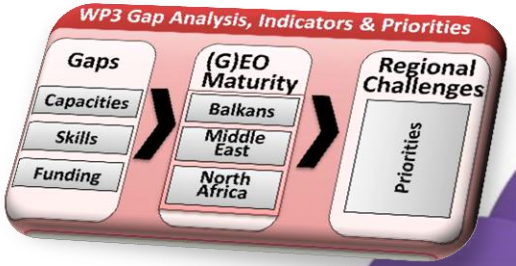

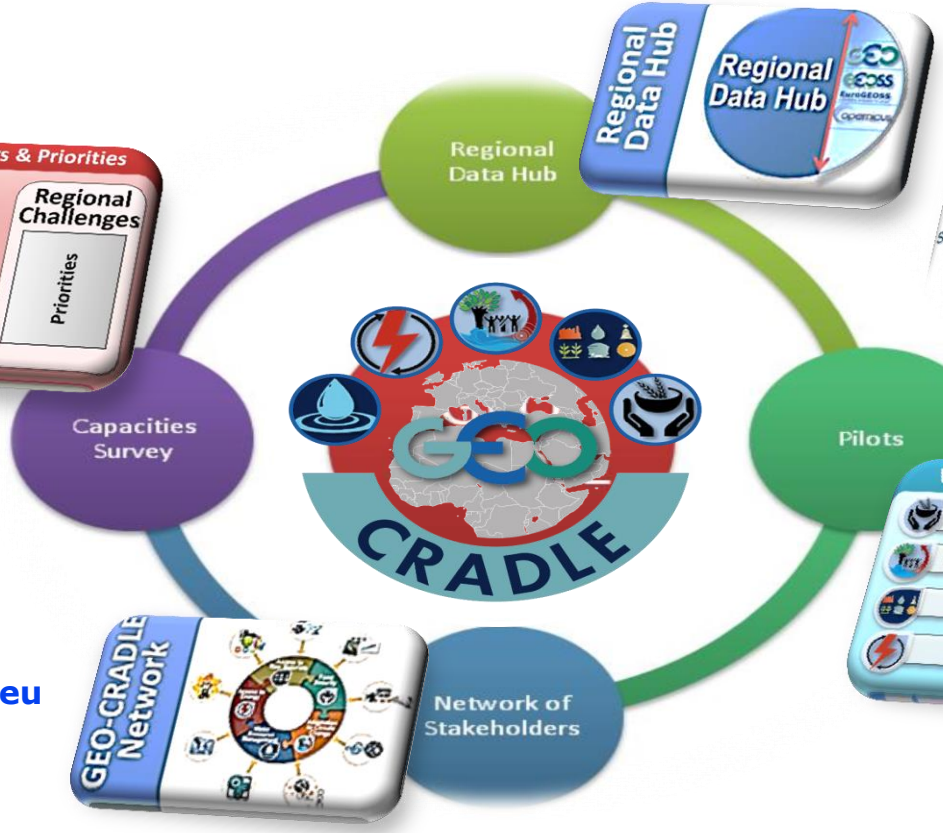

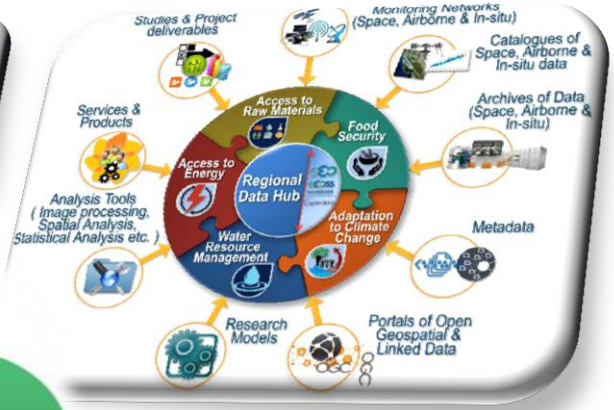

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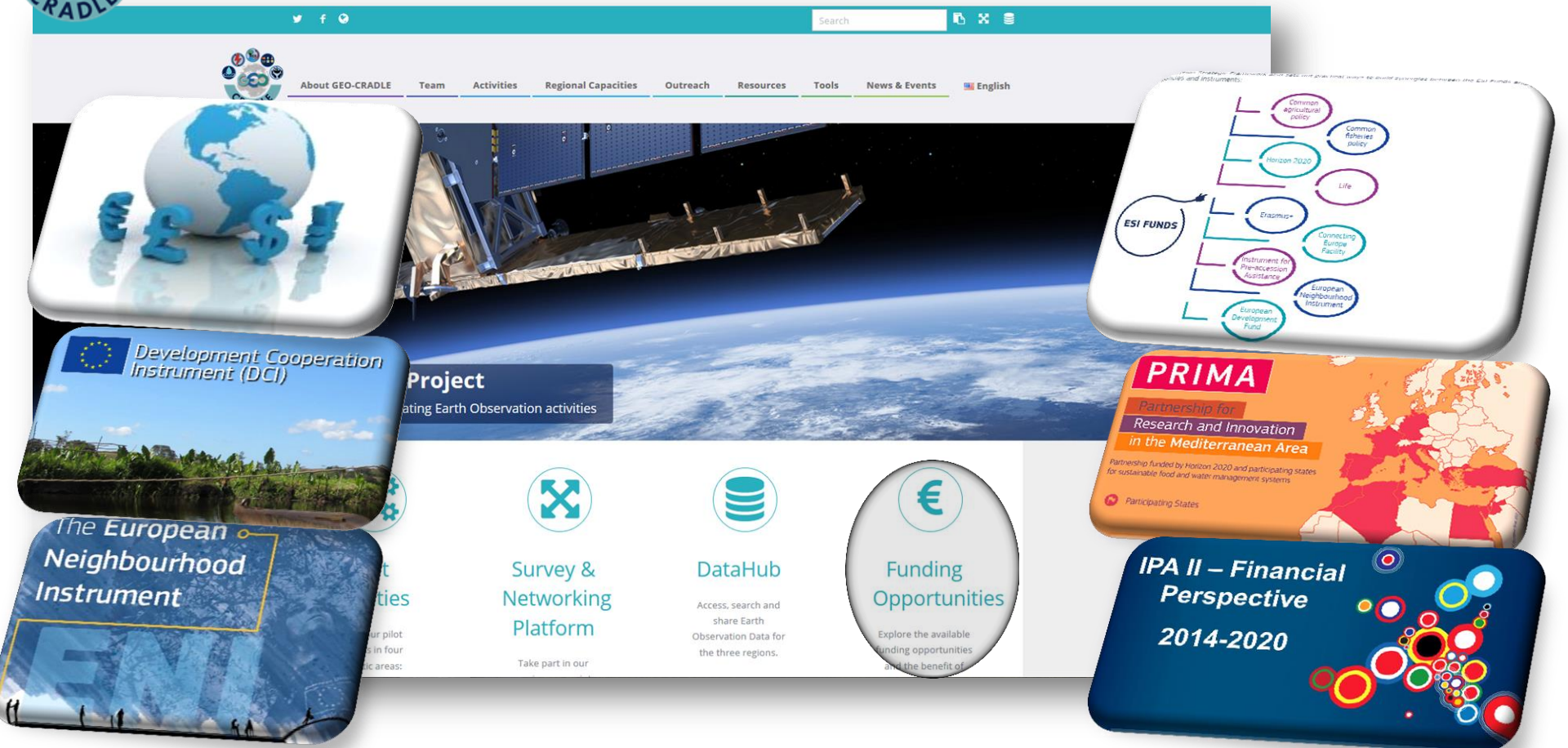
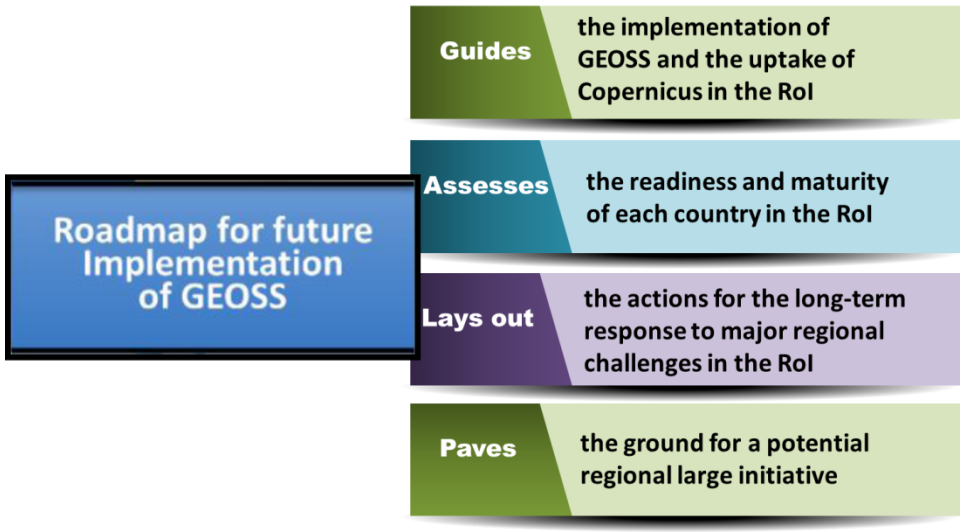
Identification and dissemination of information on funding



GEO-CRADLE contribution to EO market uptake

1. **Submit a roadmap** together with funding priorities in relation to capacity building, service delivery, filling in gaps (networks, infrastructures, data sharing, skills), training, education, service provision, and business uptake at regional level.



2. **Engage the countries and regional stakeholders** in the data sharing process, the use of open standards, and facilitate the access of the local actors to existing portals, web servers, data repositories, and satellite image archives through big infrastructures such as GEOSS, the European Data Portal, Copernicus data/service portals, and any existing regional Data Hubs (e.g. GEO-CRADLE RDH).

GEO-CRADLE contribution to EO market uptake

3. **Generate and sustain a network stakeholders** to ensure visibility, and sharing of knowhow, excellence, and skills between the local actors and their counterparts worldwide.
4. **Deliver a prototype methodology and a detailed assessment** on the nations' (market and science) maturity in relation to EO.
5. **Support the EO market uptake and internationalisation** by,
   - ❖ Understanding the local market, and capacities;
   - ❖ Mapping existing policies in sectors that may need support from EO;
   - ❖ Facilitating access to open data;
   - ❖ Mapping the local competitive landscape;
   - ❖ Engaging the end-user community;
   - ❖ Facilitating partnering with international interlocutors (companies, researchers, industries);
   - ❖ Building trust / Overcoming cultural and linguistic issues.
6. **Advance the role of the countries in GEO, and Copernicus** by,
   - ❖ Setting up local GEO offices, Copernicus Relay Offices, and/or nominating official GEO representations at various levels;
   - ❖ Strengthening the EO industrial/research dimension by using Copernicus & GEO as key drivers;
   - ❖ Helping stakeholders understand how they can benefit from & contribute to GEOSS & Copernicus.

GEO-CRADLE positive points - outcomes

1. Working closely with GEO and the EO industry and demonstrating how this has been useful in returning beneficial results for all sectors across the value added chain (Research, Private, End-Users).

2. Enabling the engagement of the EO private sector and effectively supporting the EO market uptake over the RoI.

3. Informing the private sector on regional priorities and providing a roadmap for future development of the service sector.

4. Promoting cases of services that have impact into the implementation, monitoring and reporting of SDGs, and thus remaining sustained by addressing real societal and environmental needs.

GEO-CRADLE positive points - outcomes

5. Establishing and delivering tools for encouraging service development and ensuring service sustainability, e.g. make data available, facilitate sharing of data/know how, integrate and use regional facilities & capacities, ensure networking of stakeholders and engagement in the consultation phases of regional initiatives, building capacity, identification and dissemination of funding opportunities, deliver a networking platform and a Regional Data Hub.

6. Rendering the large investments, especially in Copernicus, become useful and visible to the End-User communities and citizens worldwide.

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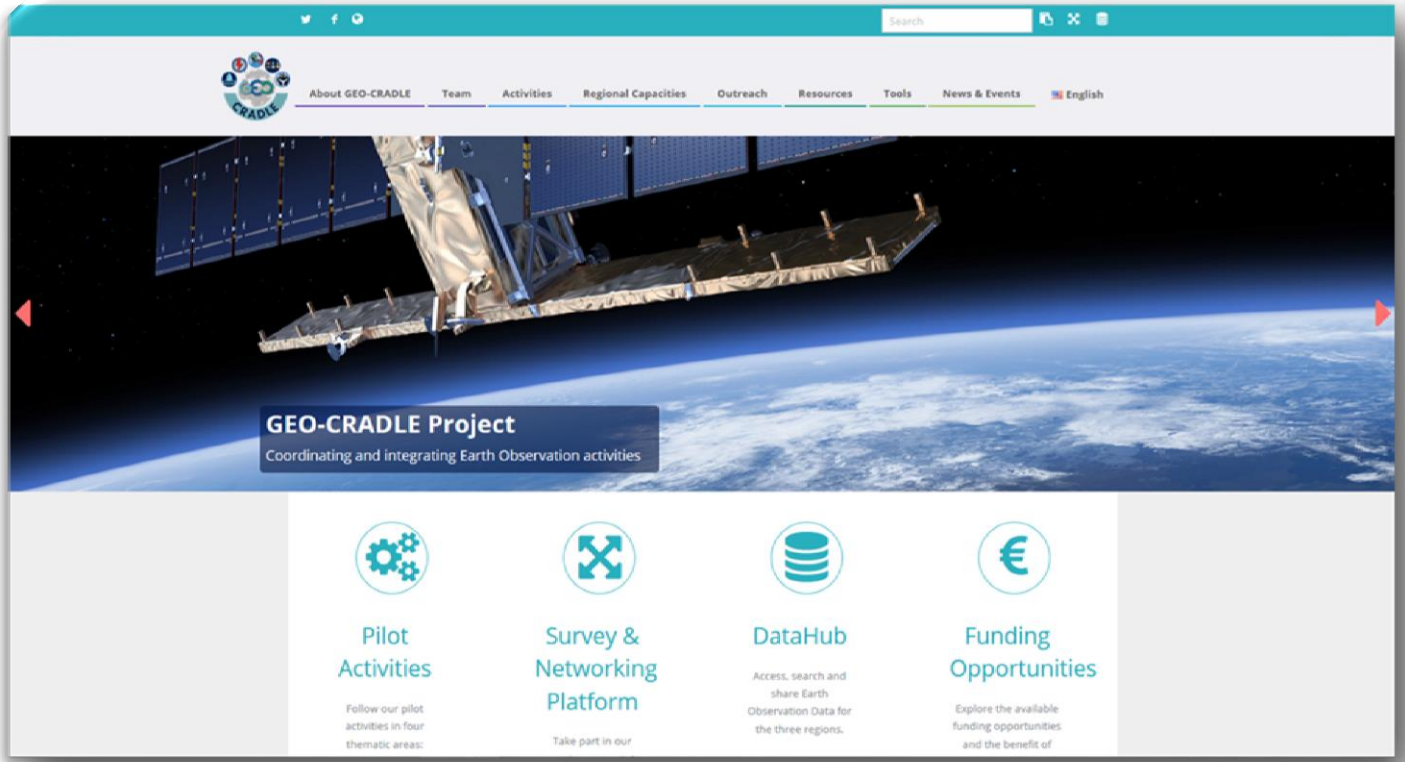

thank you!

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