19-21 JUNE 2017, HELSINKI

EUROPEAN GEO WORKSHOP

EuroGEOSS: Shaping the European contribution to GEOSS

http://europa.eu/!Wq67yk #EGW2017

GEO

FINNISH METEOROLOGICAL INSTITUTE

European Commission

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Research Director NOA

Funded under H2020 - Climate action, environment, resource efficiency and raw materials
ACTIVITY: Developing Comprehensive and Sustained Global Environmental Observation and Information Systems
CALL IDENTIFIER: H2020 SC5-18b-2015
Integrating North African, Middle East and Balkan Earth Observation capacities in GEOSS
Project GA number: 690133
Total Budget: 2,910,800.00 €

The GEO-CRADLE project in support to the SDGs implementation and EO industry's engagement

http://geocradle.eu/

Using the example of GEO-CRADLE address questions as:

1. How GEO & GEO related projects can work together with the EO industry and how this can become mutually beneficial?

2. How the EU GEO projects are enabling and effectively support the engagement of the EO European private sector?

3. How the EU private sector can be better informed about common regional priorities?

4. How to generate services that have impact into the implementation, monitoring, and reporting of SDGs, and remain sustained by addressing real societal and environmental needs?

Using the example of GEO-CRADLE address issues as:

4. What are the instruments and knowledge offered by the EU GEO projects for encouraging service development and ensuring the service sustainability (wrt data availability, data/know how sharing, regional facilities integration and common use, networking of stakeholders and engagement in consultation phases, capacity building, and identification of funding opportunities?

5. How the large EU investments especially in Copernicus become useful and visible to the End User communities and citizens worldwide.

Challenging issues as GEO-CRADLE

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

Seeking to identify common needs, and regional priorities;

Fostering the regional cooperation and integration of monitoring capabilities and skills, and facilitate 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, Access to Raw Materials, better exploitation of the renewable Energy Resources, and Food Security.

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.

Thematic Areas vs 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)

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

Challenging issues as **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…

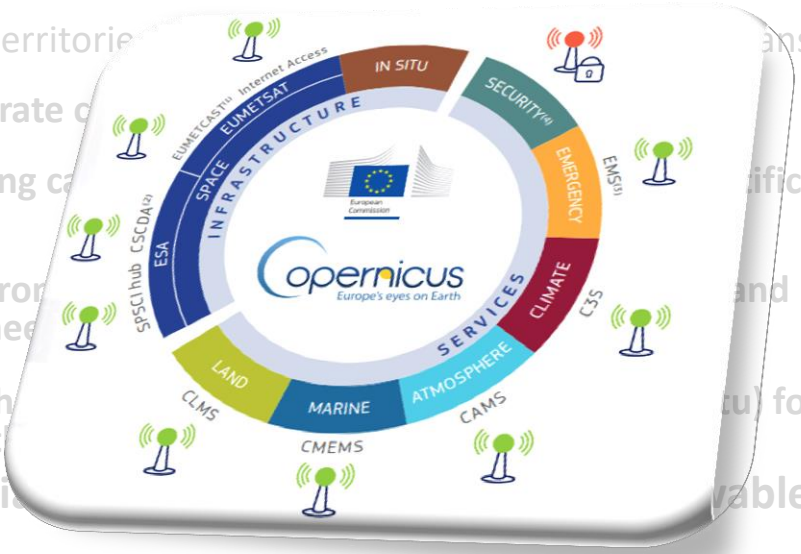
Fostering the r… …integration of monitoring ca… …ific skills;

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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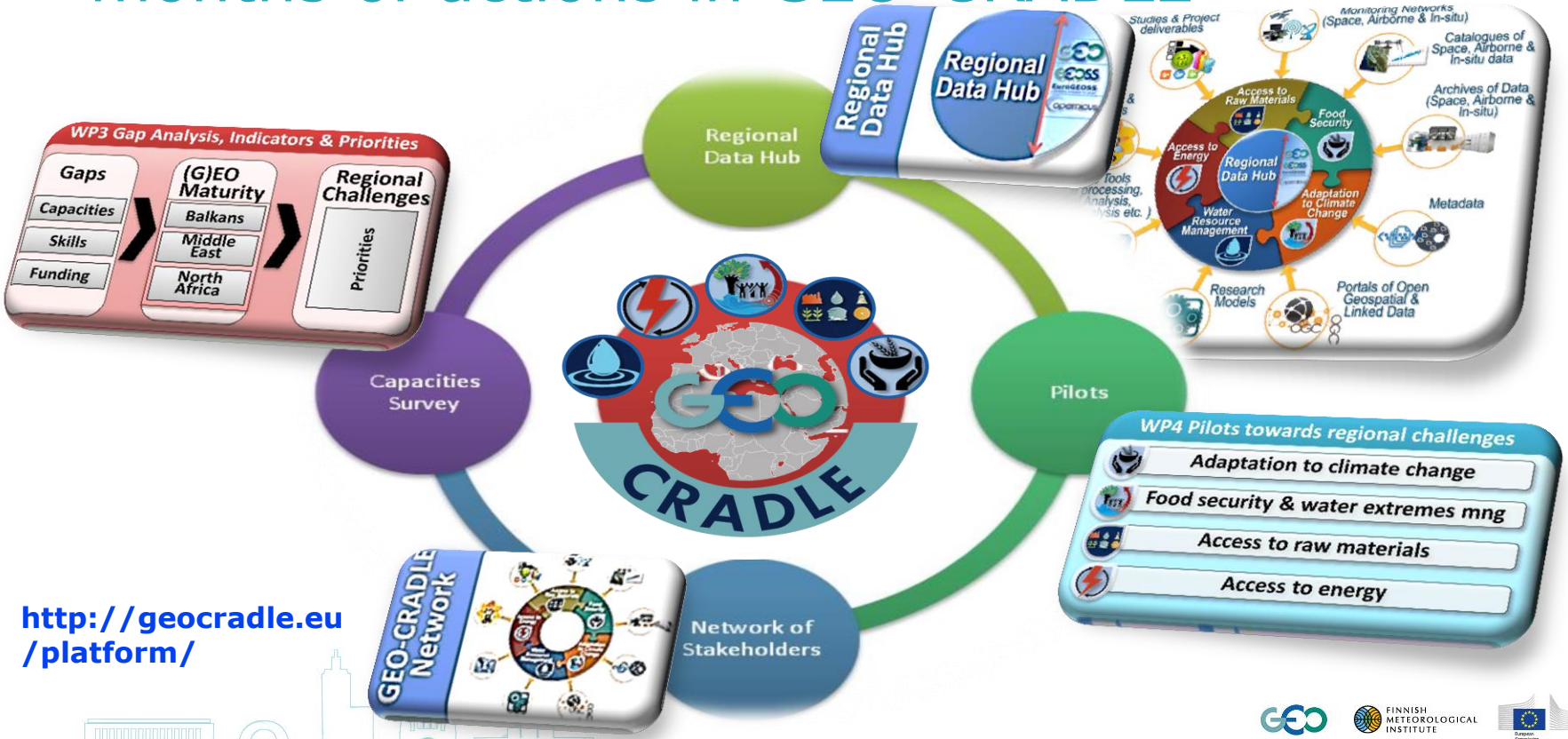
What useful results have emerged after 15 months of actions in GEO-CRADLE



http://geocradle.eu/platform/

The Regional Priorities - Priority Definition Workflow

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

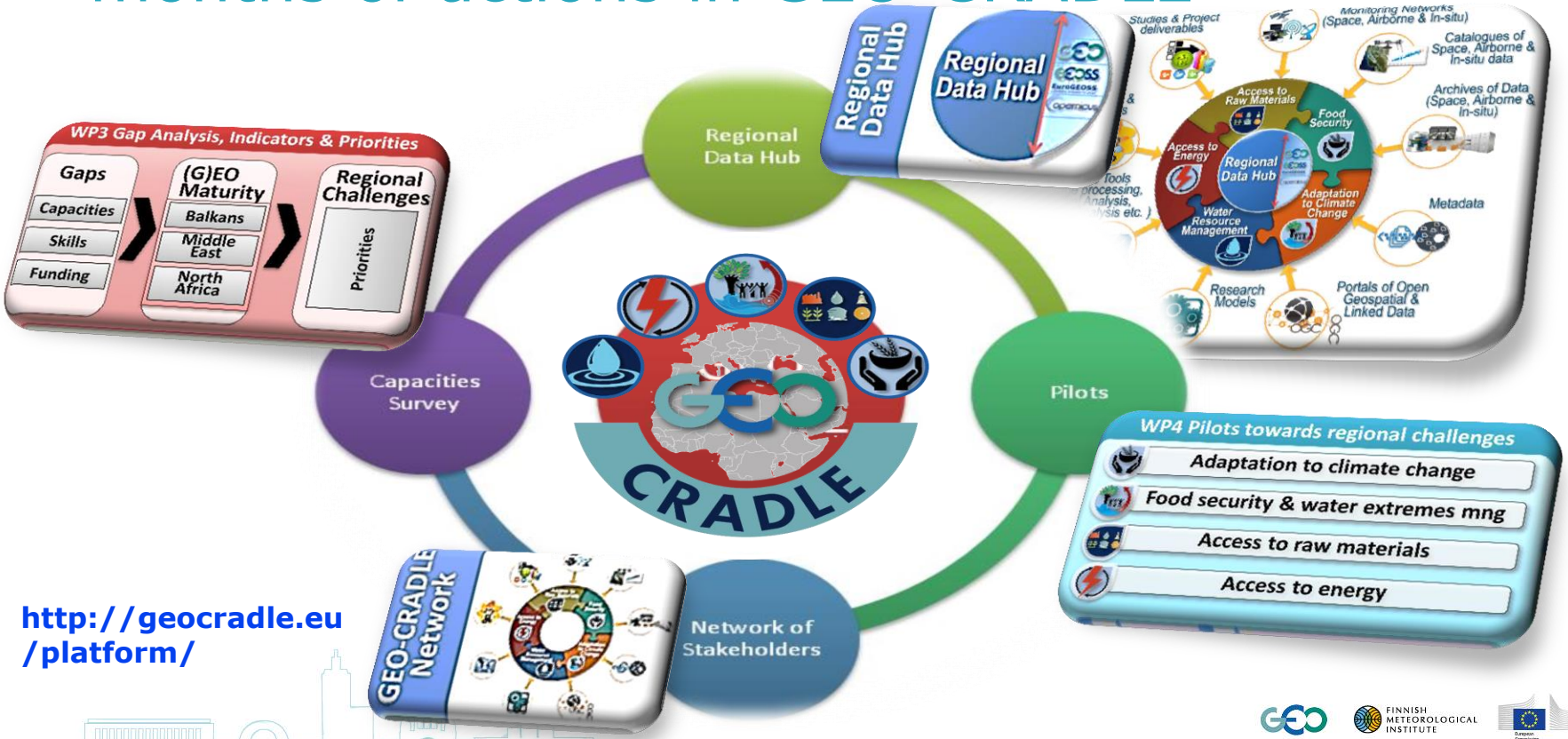
- Propose a priority framework
- What are the criteria to consider in the definition of priority goals?

-- 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 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

What useful results have emerged after 15 months of actions in GEO-CRADLE



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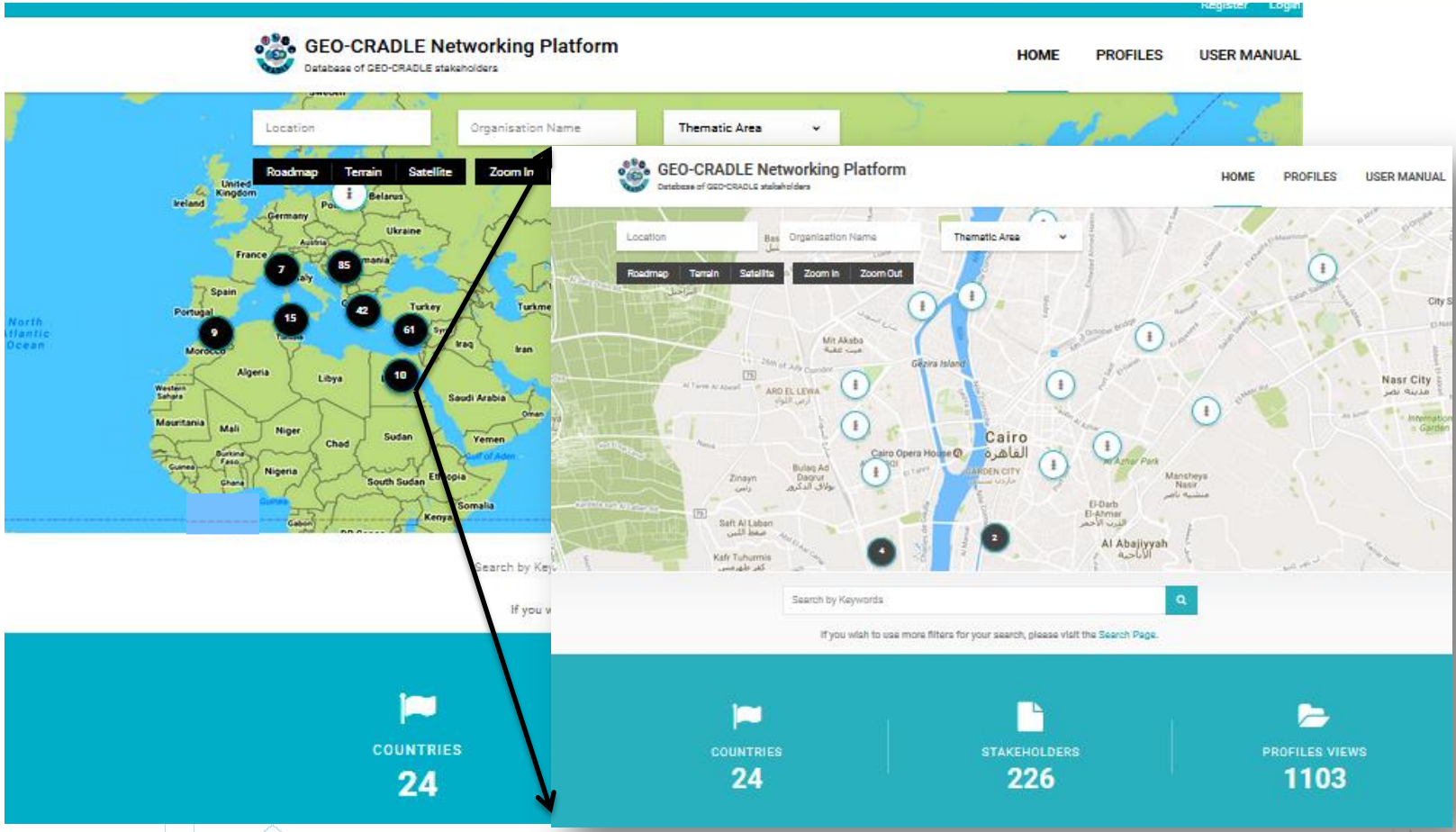
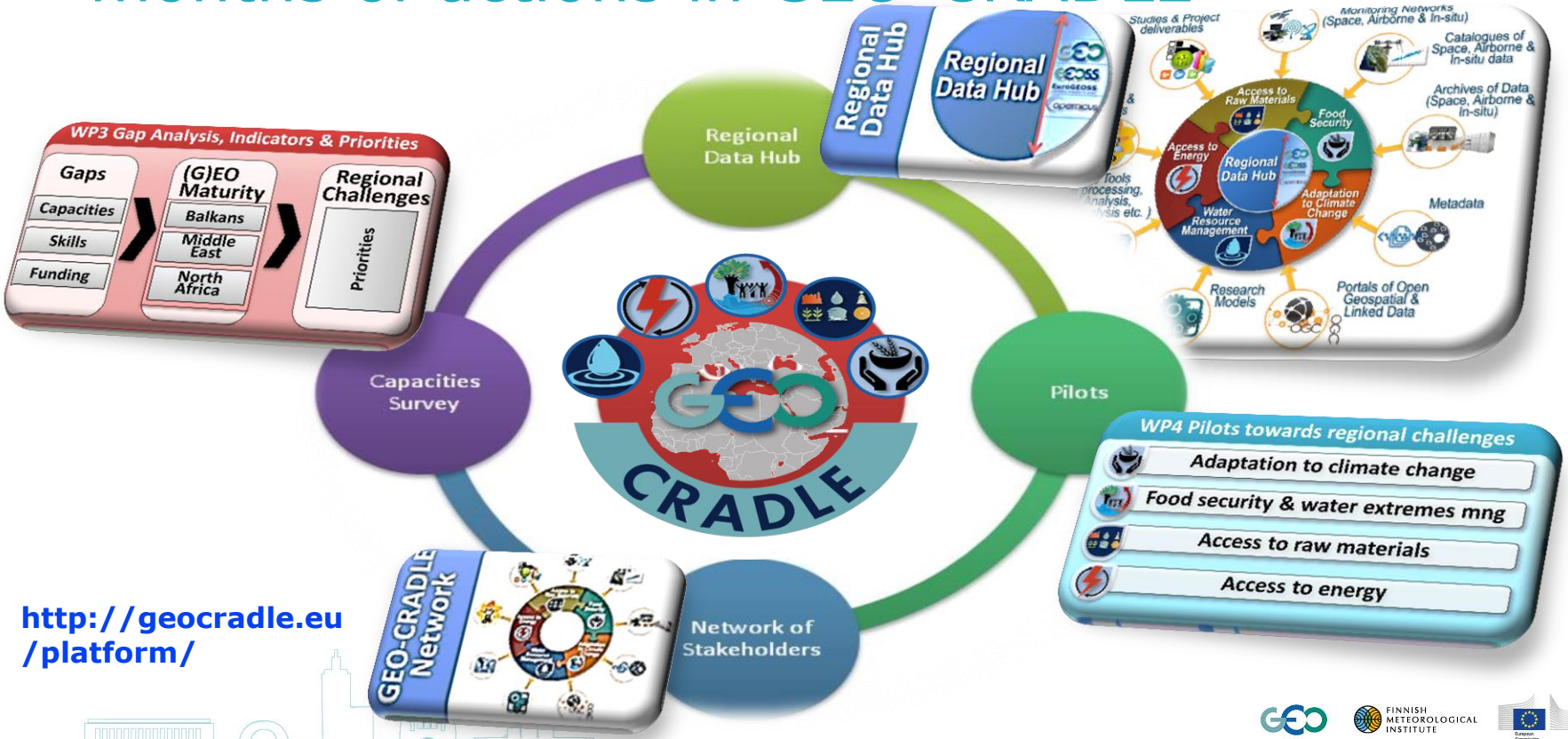

GEO-CRADLE Networking Platform
Database of GEO-CRADLE stakeholders
HOME
PROFILES
USER MANUAL
Location
Organisation Name
Thematic Area
Roadmap
Terrain
Satellite
Zoom In
Zoom Out
Search by Keywords
If you wish to use more filters for your search, please visit the Search Page.
COUNTRIES
24
STAKEHOLDERS
226
PROFILES VIEWS
1103

What useful results have emerged after 15 months of actions in GEO-CRADLE



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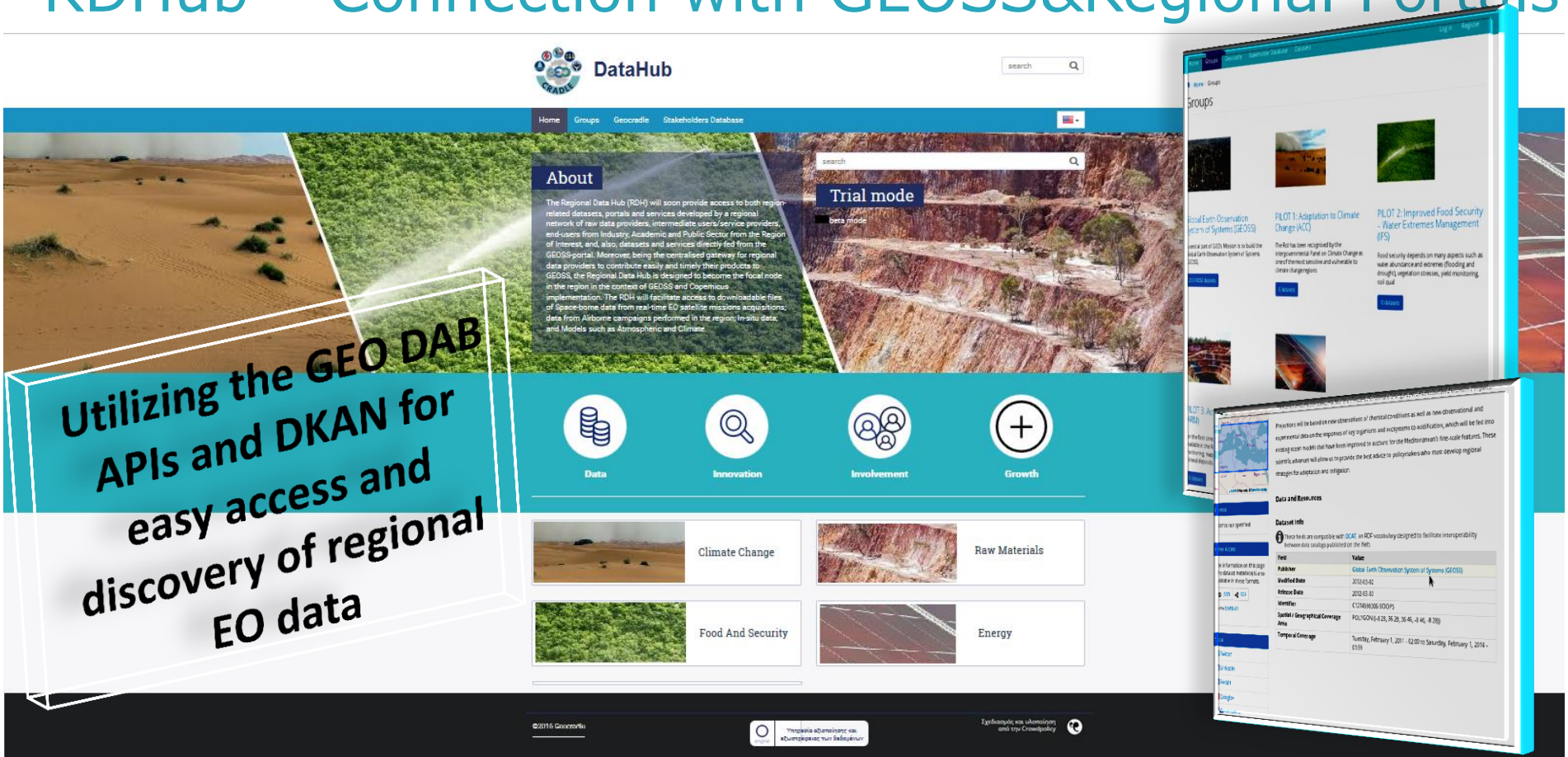
RDHub – Connection with GEOSS&Regional Portals



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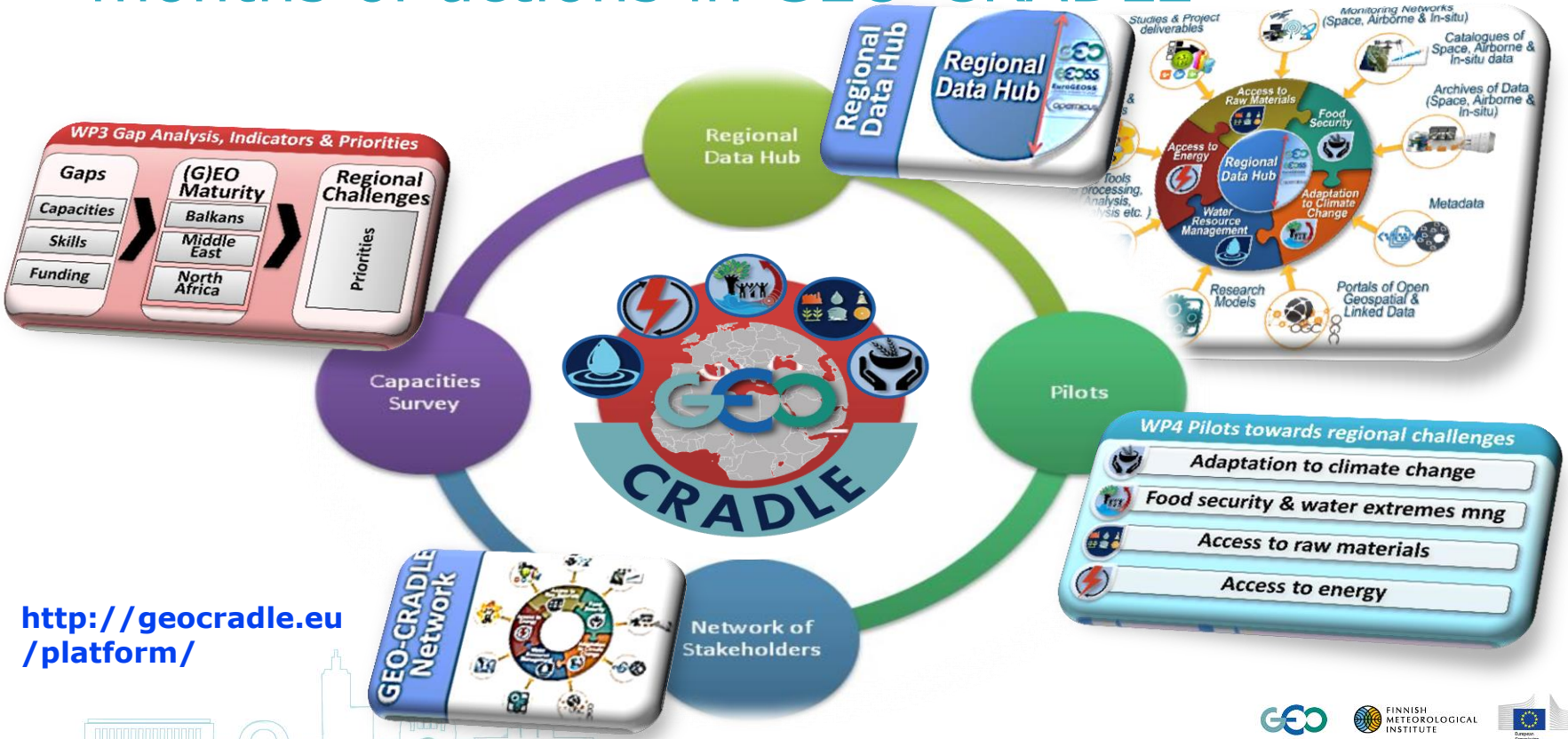

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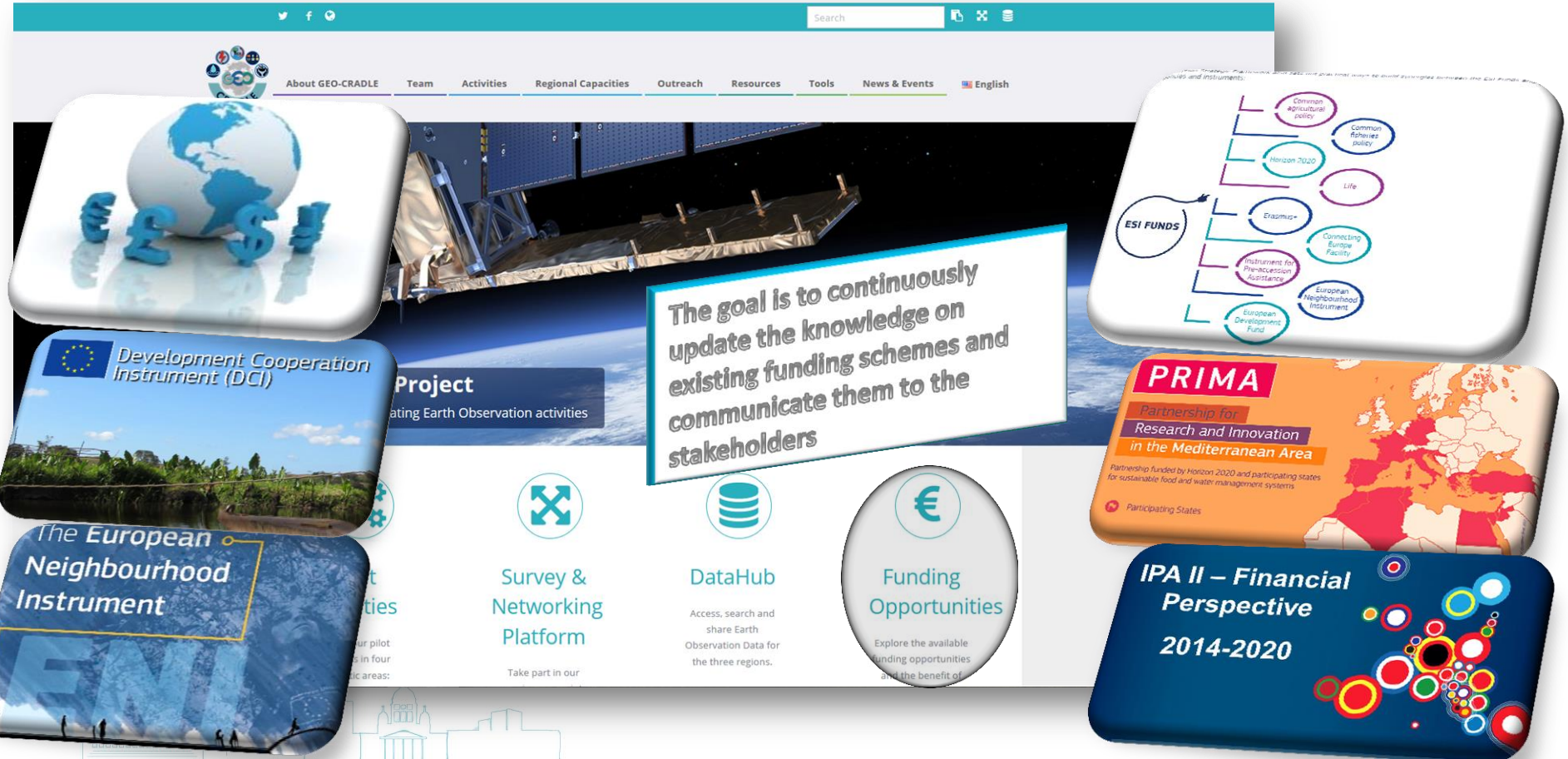
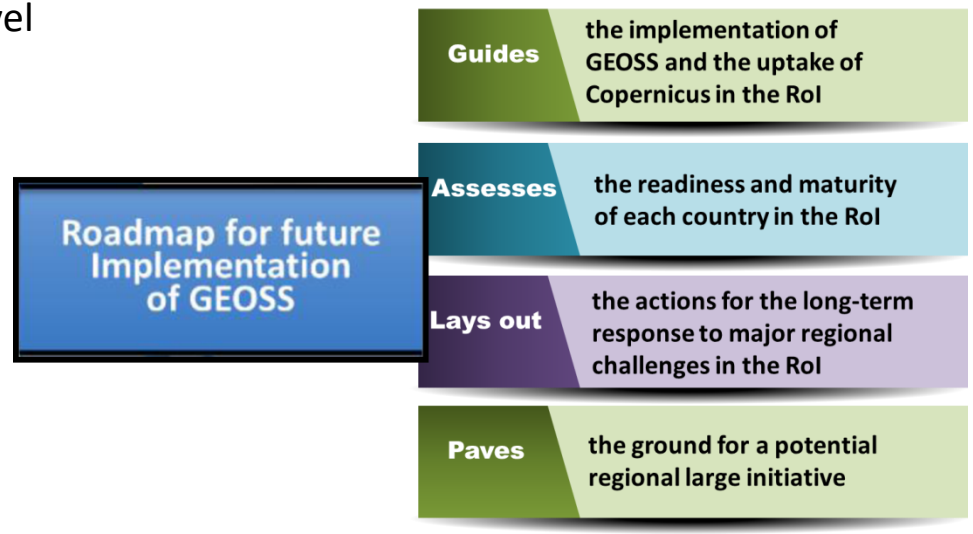
Identify and disseminate information on funding



GEO-CRADLE contribution to EO market uptake

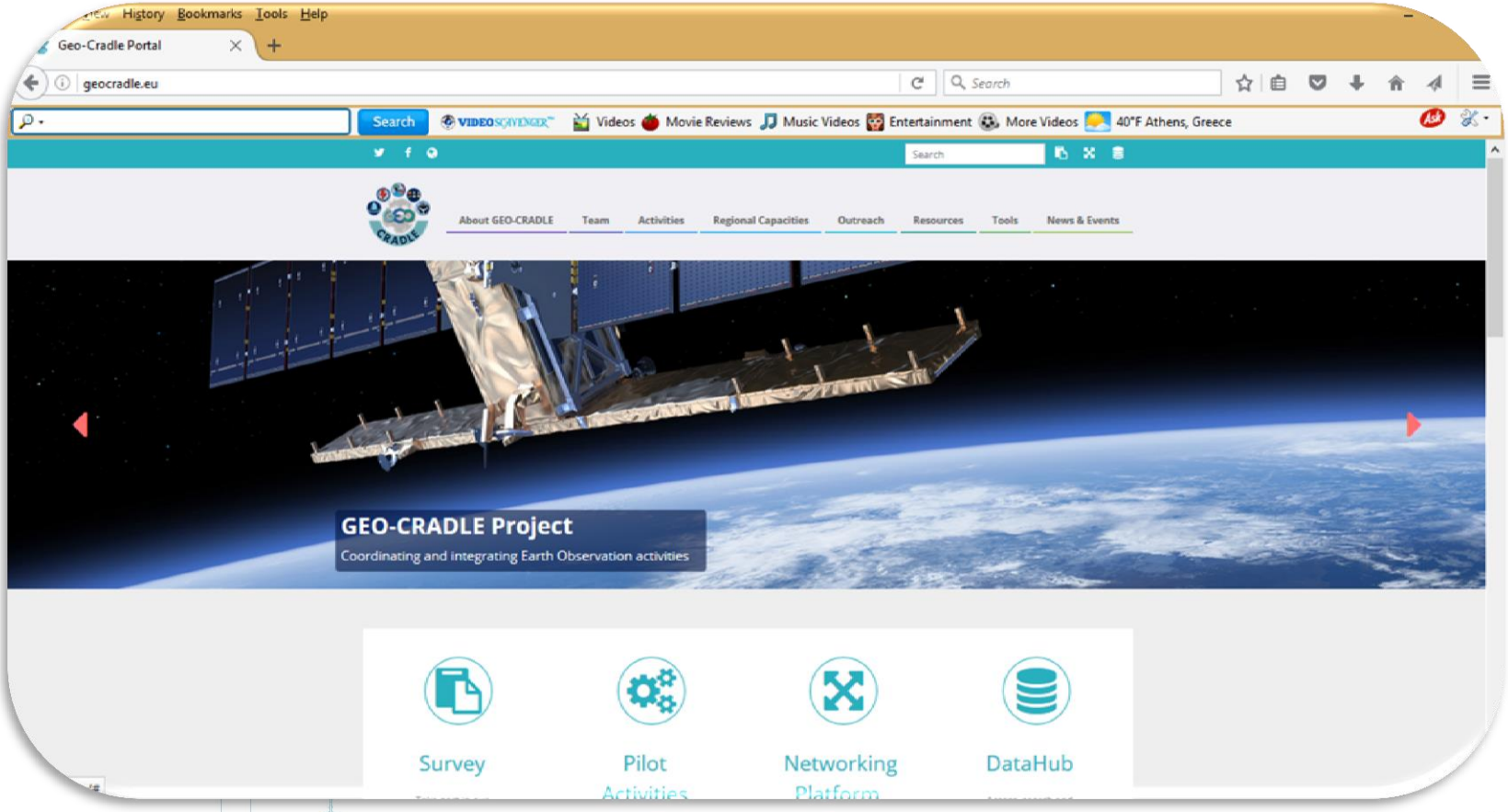
1. **Submit a roadmap** together with funding priorities in relation to capacity building, service delivery, filling in gaps (networks, infrastructures, data sharing, skills), training, education, service provision, and business uptake at regional level



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 the stakeholders understand how they can benefit from and contribute to GEOSS & Copernicus



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תודה
Dankie
Gracias
Спасибо
شكرًا
Merci
Takk
Köszönjük
Terima kasih
Grazie
Dziękujemy
Děkojame
Ďakujeme
Vielen Dank
Paldies
Kiitos
Täname teid
谢谢
Thank You
Tak
感謝您
Obrigado
Teşekkür Ederiz
감사합니다
Σας ευχαριστούμε
ขอบคุณ
Bedankt
Děkujeme vám
ありがとうございます
Tack
CRADLE

thank you!