Coordinating and integRating state-of-the-art Earth Observation Activities in the regions of North Africa, Middle East and Balkans and Developing Links with GEO related intiatives toward GEOSS

GEO-CRADLE:

Fostering regional cooperation and roadmap for GEO and Copernicus implementation in North Africa, Middle East and Balkans

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 €

http://geocradle.eu/

Dr. Haris KONTOES
Project Coordinator
Research Director NOA

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Coordinating and integRating state-of-the-art Earth Observation Activities in the regions of North Africa, Middle East and Balkans and Developing Links with GEO related intiatives toward GEOSS

GEO-CRADLE

… is a unique EU funded Coordination Action running at regional level;
… is looking at the territories of North Africa, Middle East and Balkans;

It seeks to identify common needs, create synergies, and integrate capacities;

Fosters the regional cooperation and integration of monitoring capabilities and networks, as well as scientific skills;

Define and communicate goals that are clear and beneficial from societal and market wise point of view, and also realistic and in line with the domestic priorities and user needs;

Proposes/sets up large scale regional initiatives based on the Earth Observation (space based and in-situ) for capacity building and also addressing societal priorities 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.

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Thematic Areas

linked with the 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

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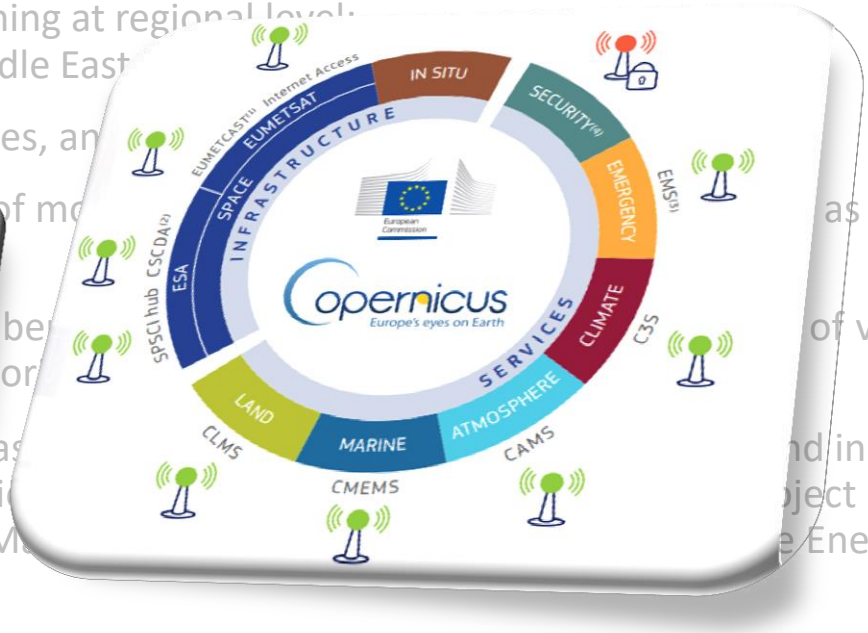

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25 Partners, 3 Continents, 1 Team

25 Partners, 3 Continents, 1 Team

- **GEO-CRADLE** brings together a highly-complementary team combining a strong background in GEO-related coordination activities with proven excellence in the field of Earth Observation:
  - Leading research institutes and universities
  - Highly-esteemed international associations
  - Service Providers with strong regional presence

NATIONAL OBSERVATORY OF ATHENS
Coordinator

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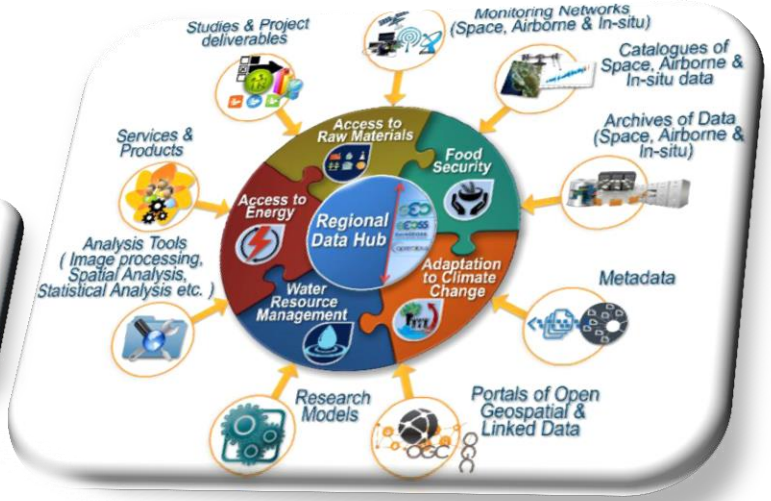
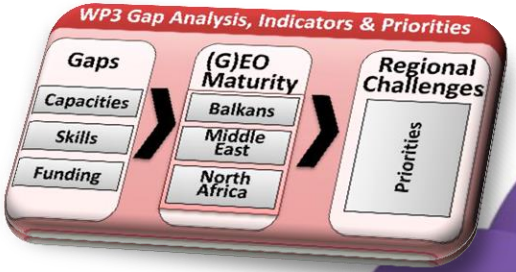
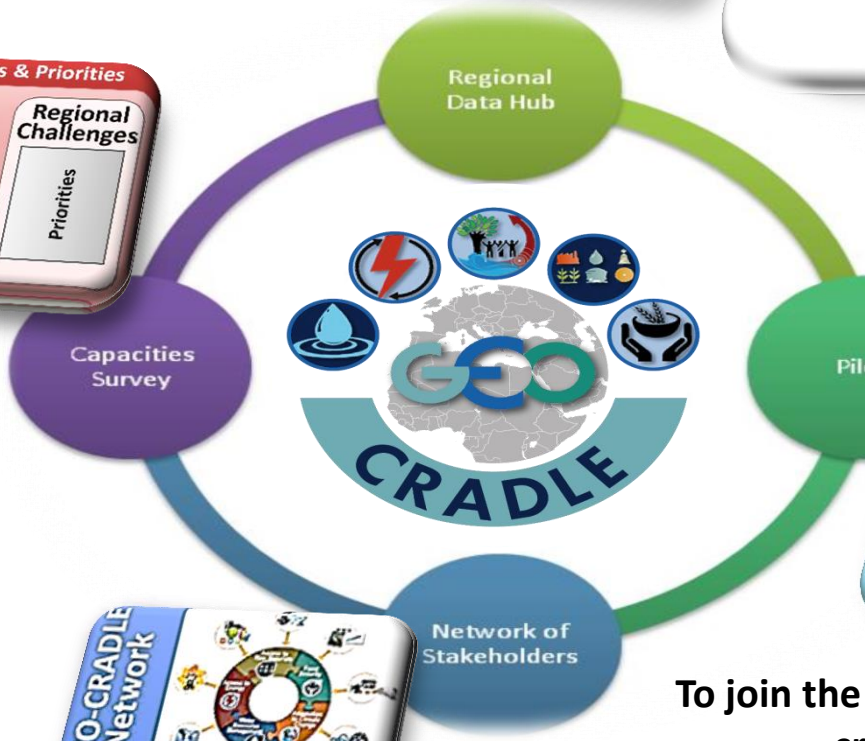
The Project Pillars







To join the network follow the link to create your profile:
http://cpdev.crowdpolicy.com/geo-cradle-stakeholders/

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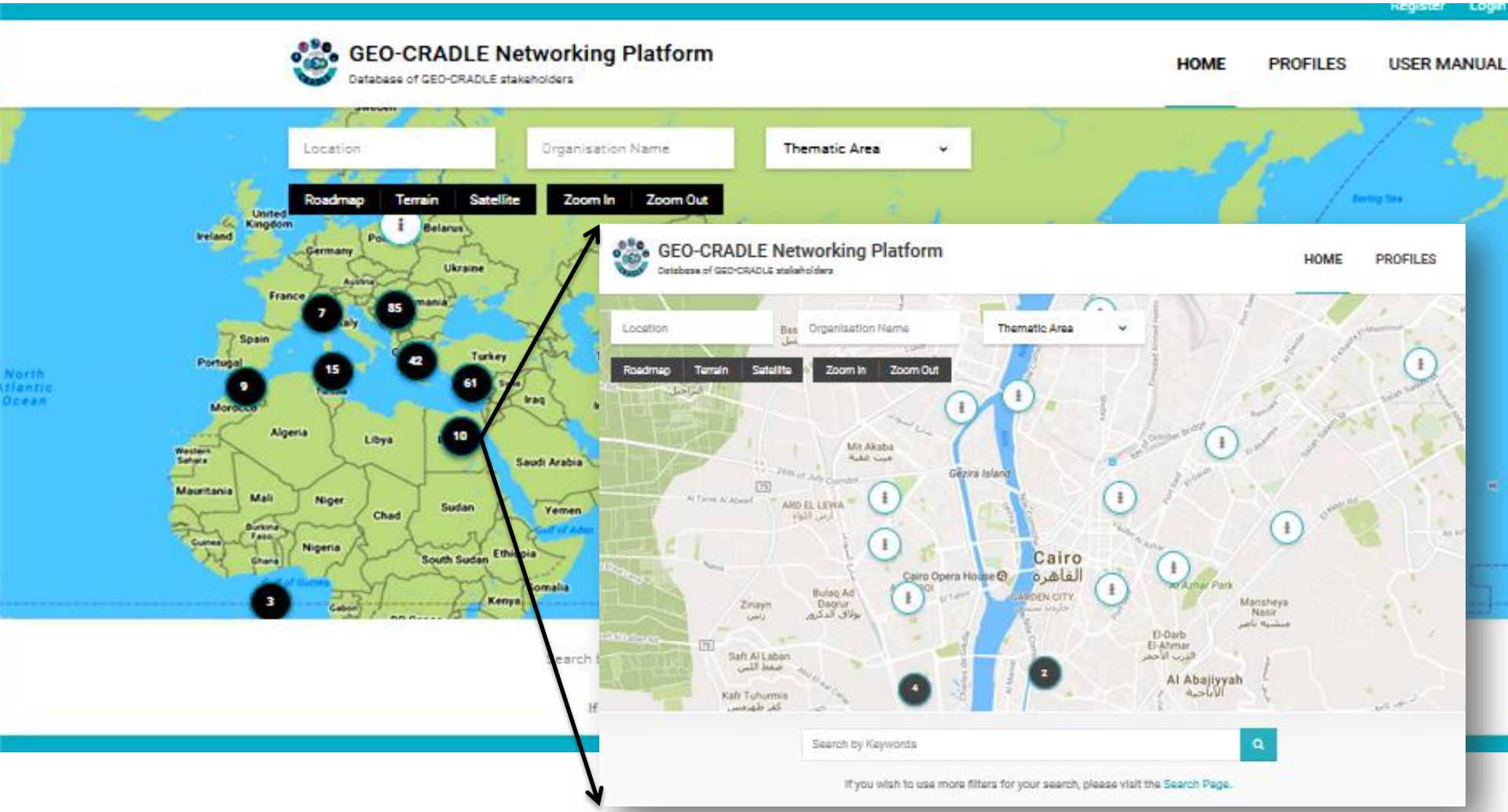

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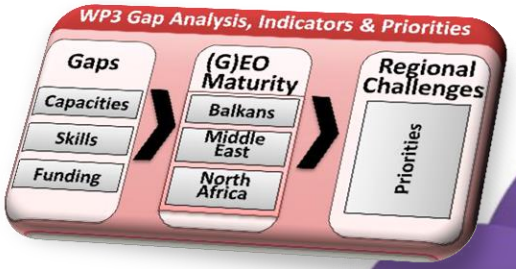

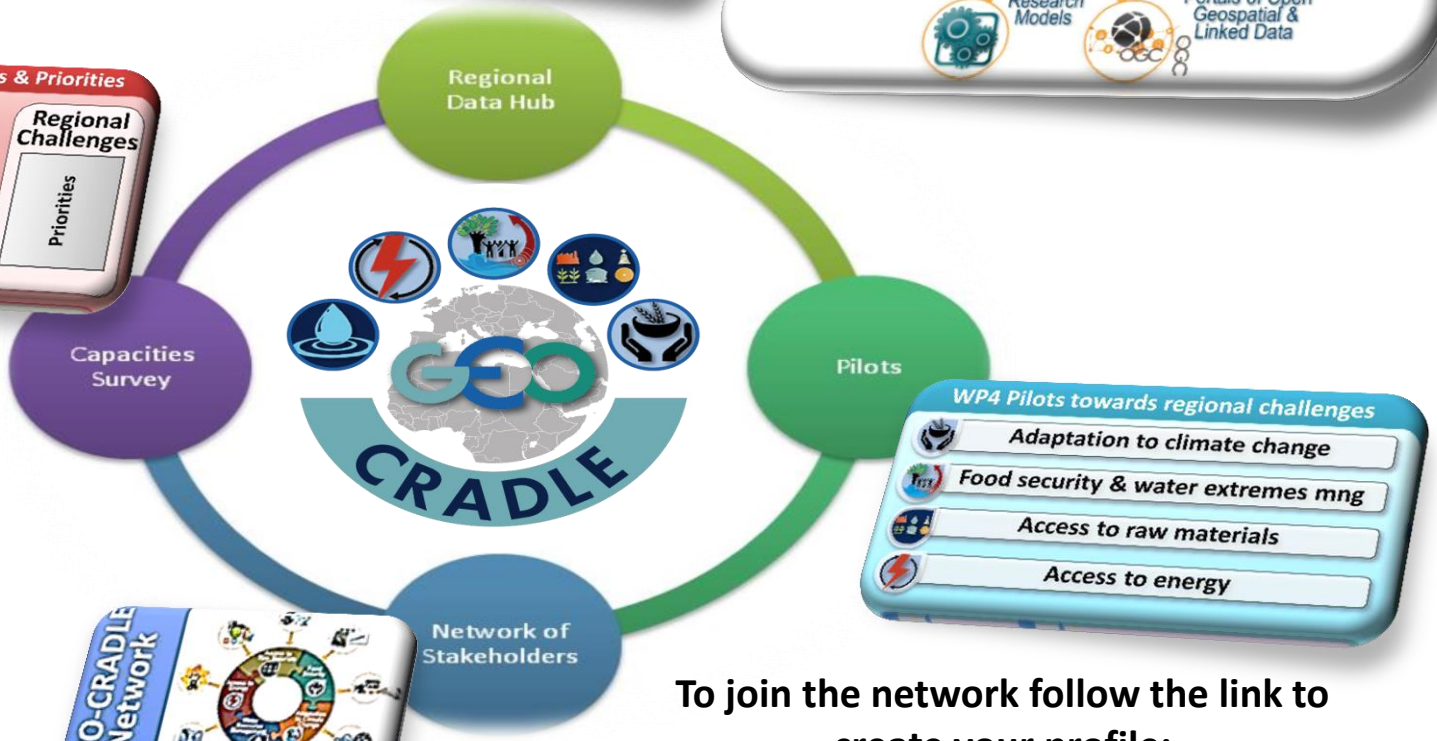

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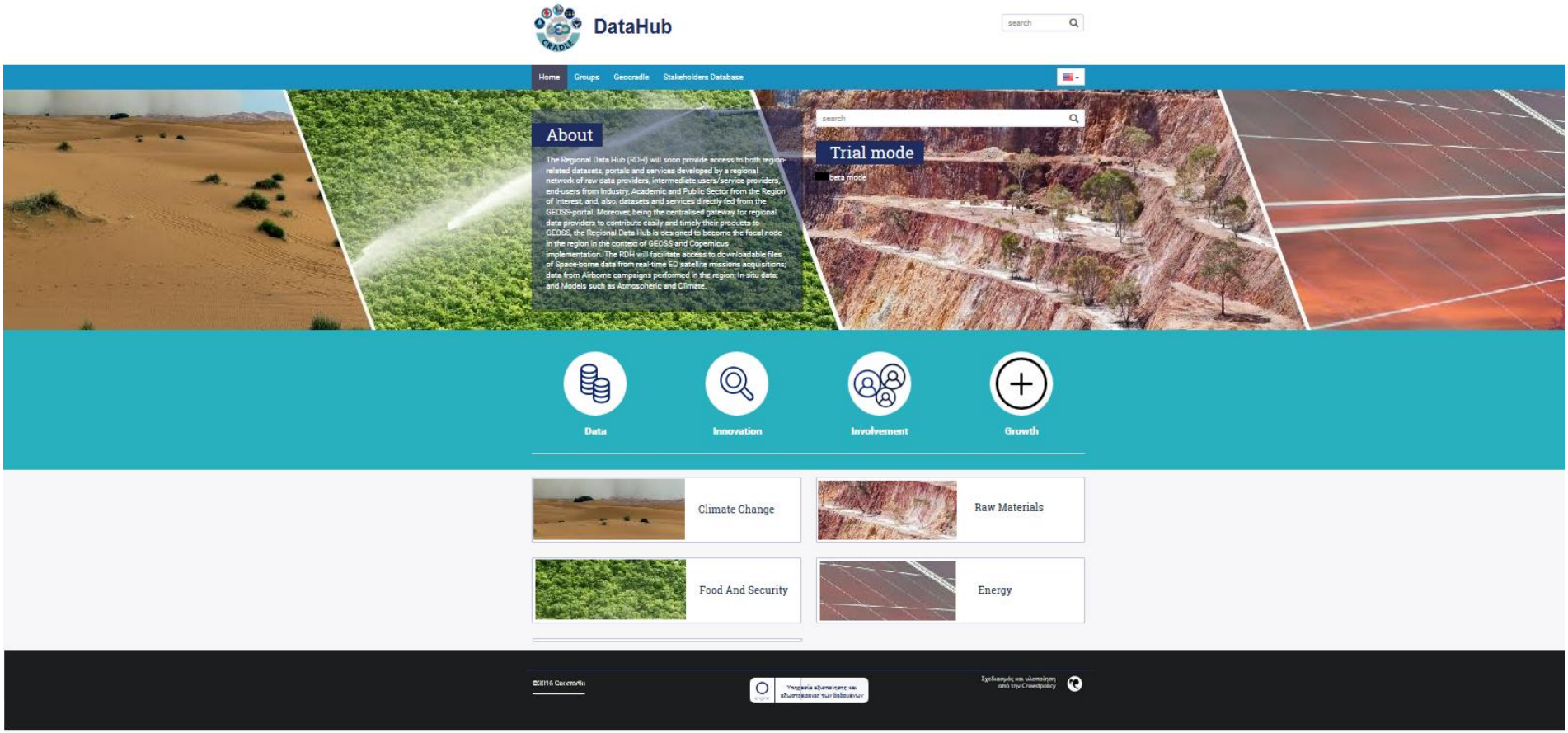
Regional Data Hub – Connection with GEOSS & Regional Portals



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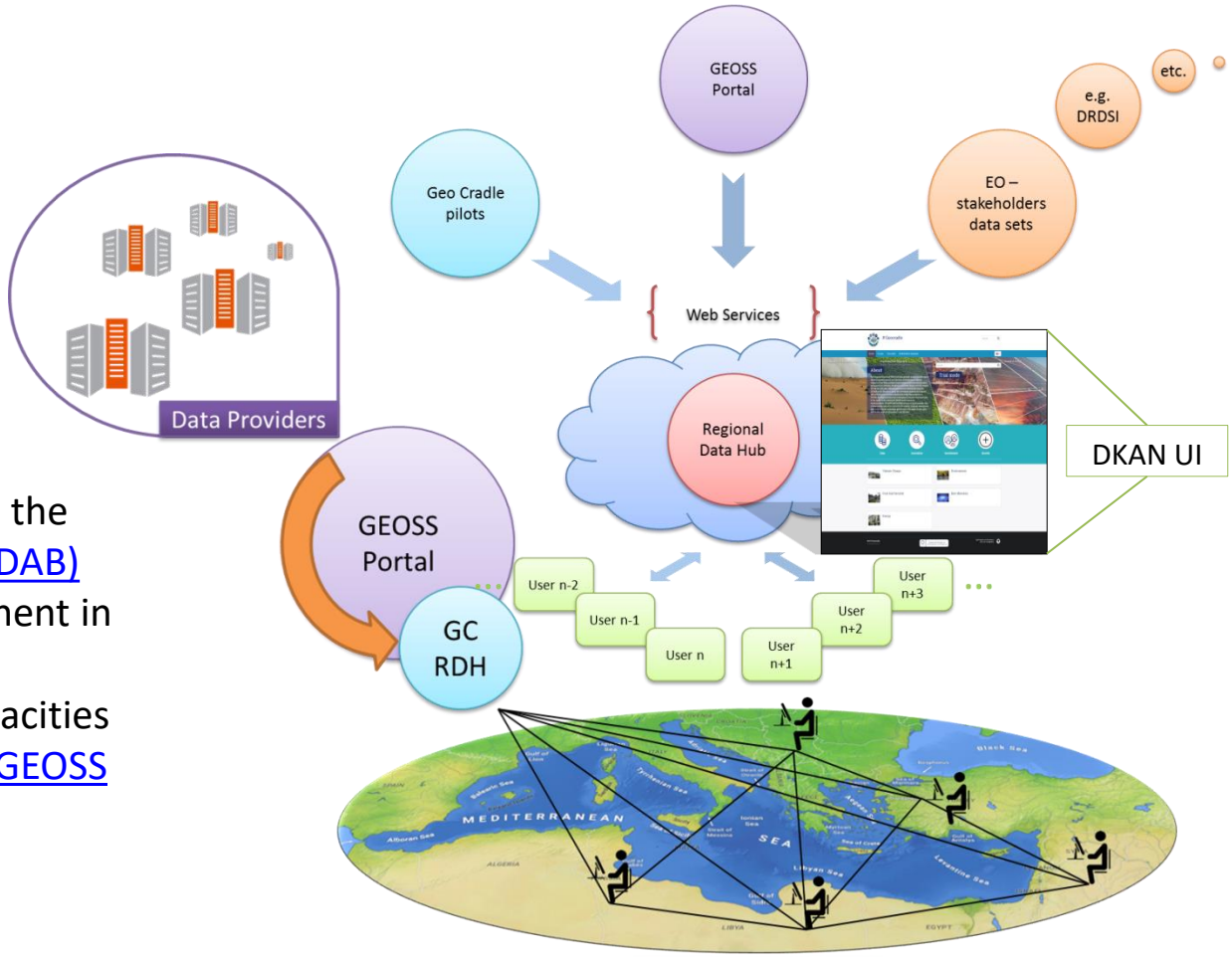
Regional Data Hub – Connection with GEOSS & Regional Portals

- The GEO CRADLE Regional Data Hub (GC-RDH) is going to provide its users with a transparent discovery and access mechanism of the GEOSS portal's resources, and other regional portals!

- This mechanism will heavily rely on the GEO Discovery and Access Broker (DAB) APIs which is a middleware component in charge of interconnecting the heterogeneous and distributed capacities contributing to GEOSS; part of the GEOSS Common Infrastructure (GCI) since November 2011.



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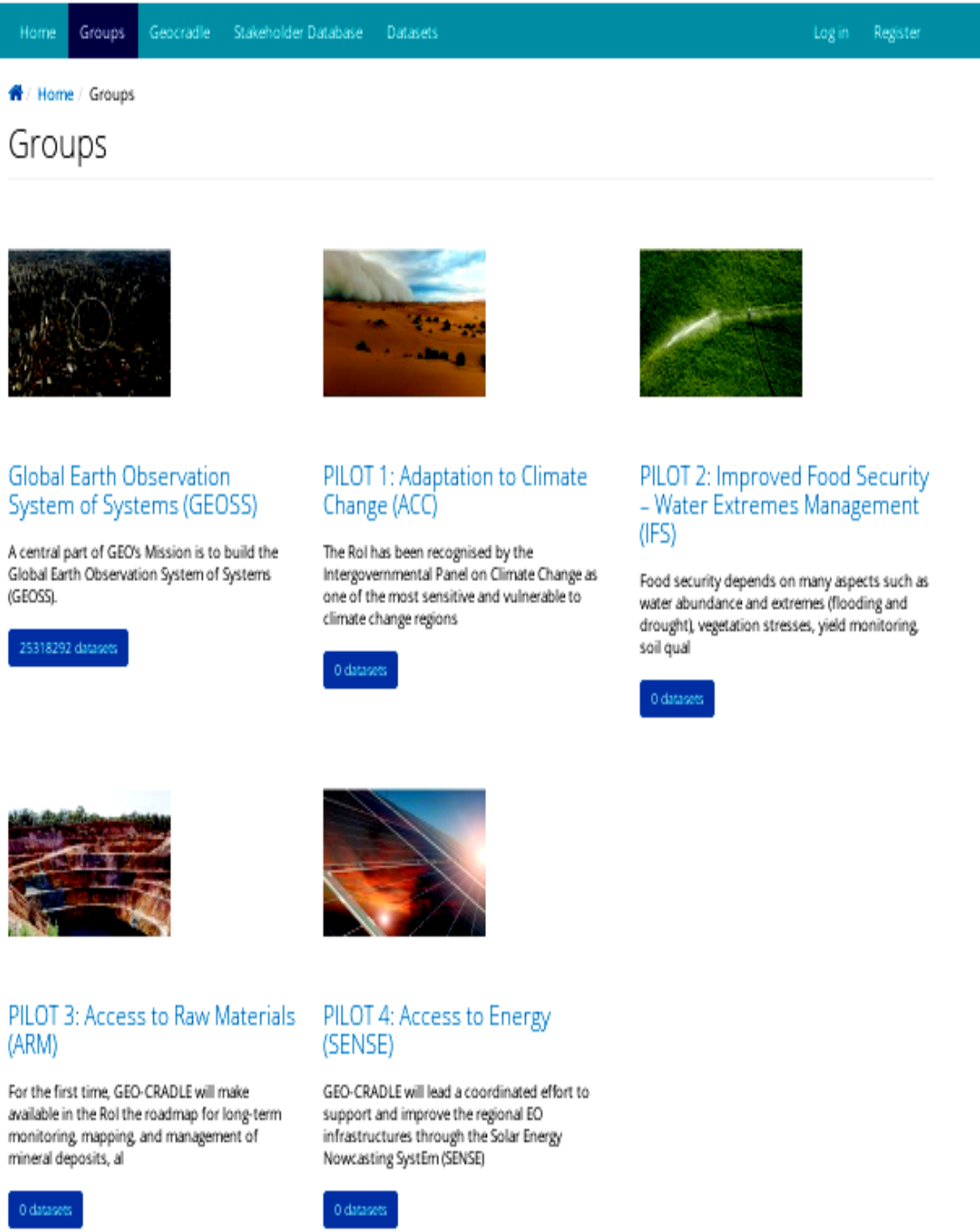
Utilizing the GEO DAB APIs for easy access and discovery of regional EO data



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Utilizing the GEO DAB APIs for easy access and discovery of regional EO data

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Utilizing the GEO DAB APIs for easy access and discovery of regional EO data

Mediterranean acidification under the influence of climate change as well as associated economic impacts.

Projections will be based on new observations of chemical conditions as well as new observational and experimental data on the responses of key organisms and ecosystems to acidification, which will be fed into existing ocean models that have been improved to account for the Mediterranean's fine-scale features. These scientific advances will allow us to provide the best advice to policymakers who must develop regional strategies for adaptation and mitigation.

License

License not specified

Other Access

The information on this page (the dataset metadata) is also available in these formats.

JSON | RDF

via the DKAN API

Social

Twitter
LinkedIn
Reddit
Google+
Facebook

Data and Resources

Dataset Info

These fields are compatible with DCAT, an RDF vocabulary designed to facilitate interoperability between data catalogs published on the Web.

Field	Value
Publisher	Global Earth Observation System of Systems (GEOSS)
Modified Date	2012-03-02
Release Date	2012-03-02
Identifier	C1214598306-SCIOPS
Spatial / Geographical Coverage Area	POLYGON ((-8 28, 36 28, 36 46, -8 46, -8 28))
Temporal Coverage	Tuesday, February 1, 2011 - 02:00 to Saturday, February 1, 2014 - 01:59

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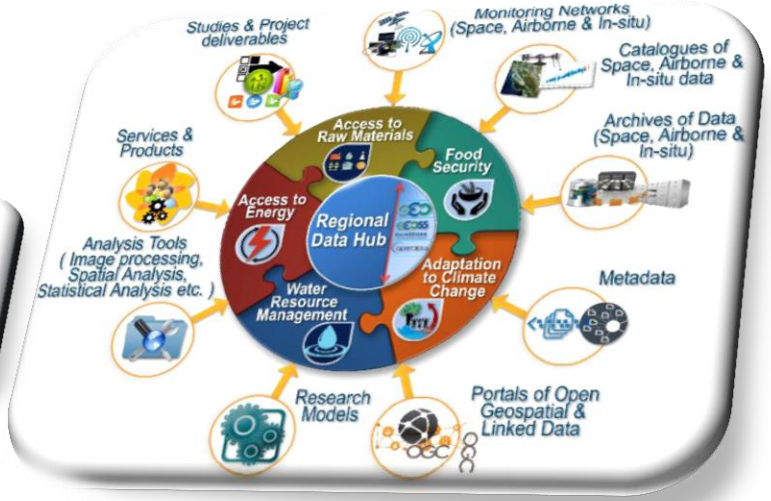

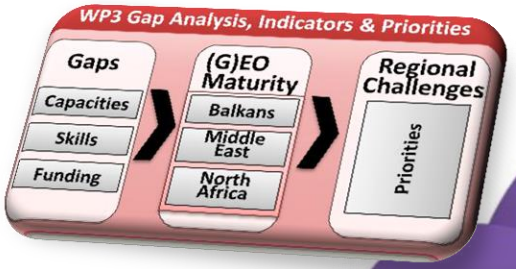

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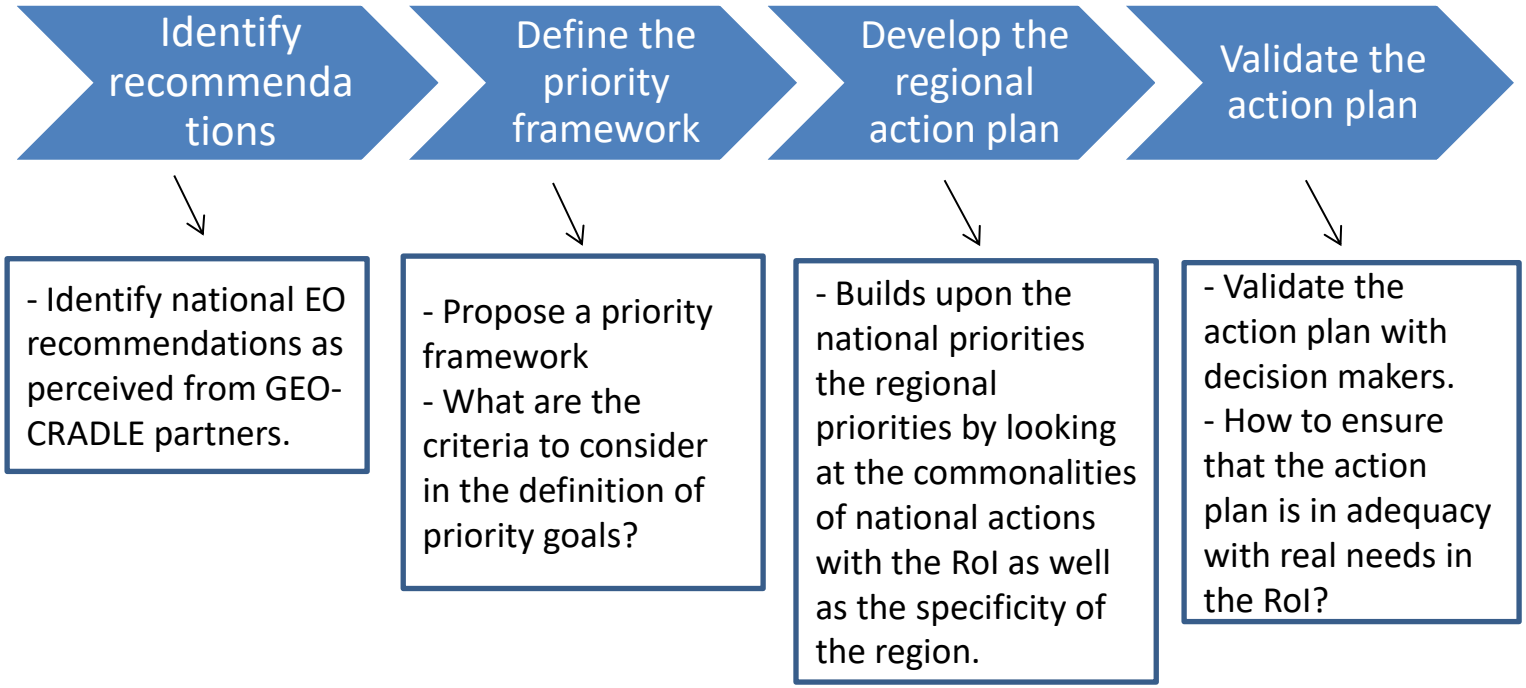
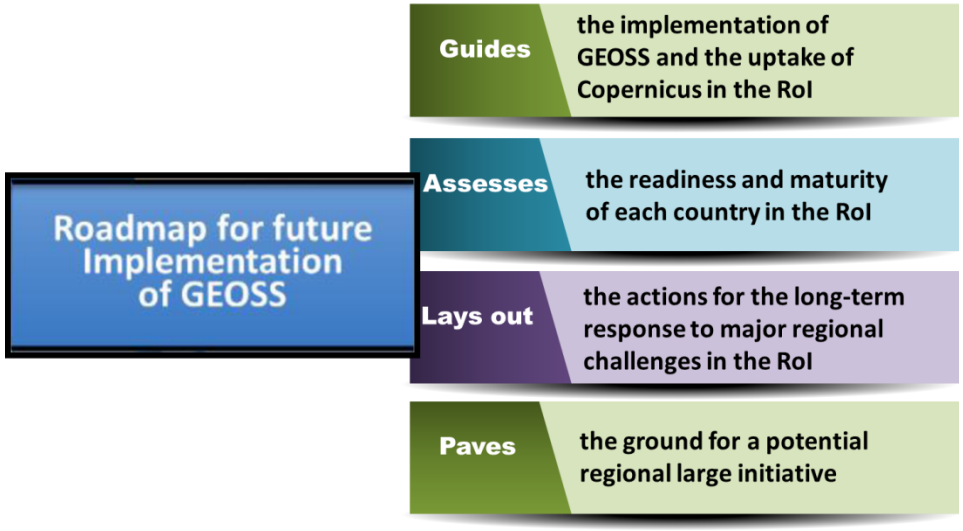
The Regional Priorities

Priority Definition Workflow



The GEO-CRADLE Contribution

1. **Submit to the EC a roadmap** with funding priorities in relation to capacity building, 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)

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The GEO-CRADLE Contribution

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. Compare the regional capacity/state-of-the-art with the ones of developed countries in space, and find the complementary roles where they exist
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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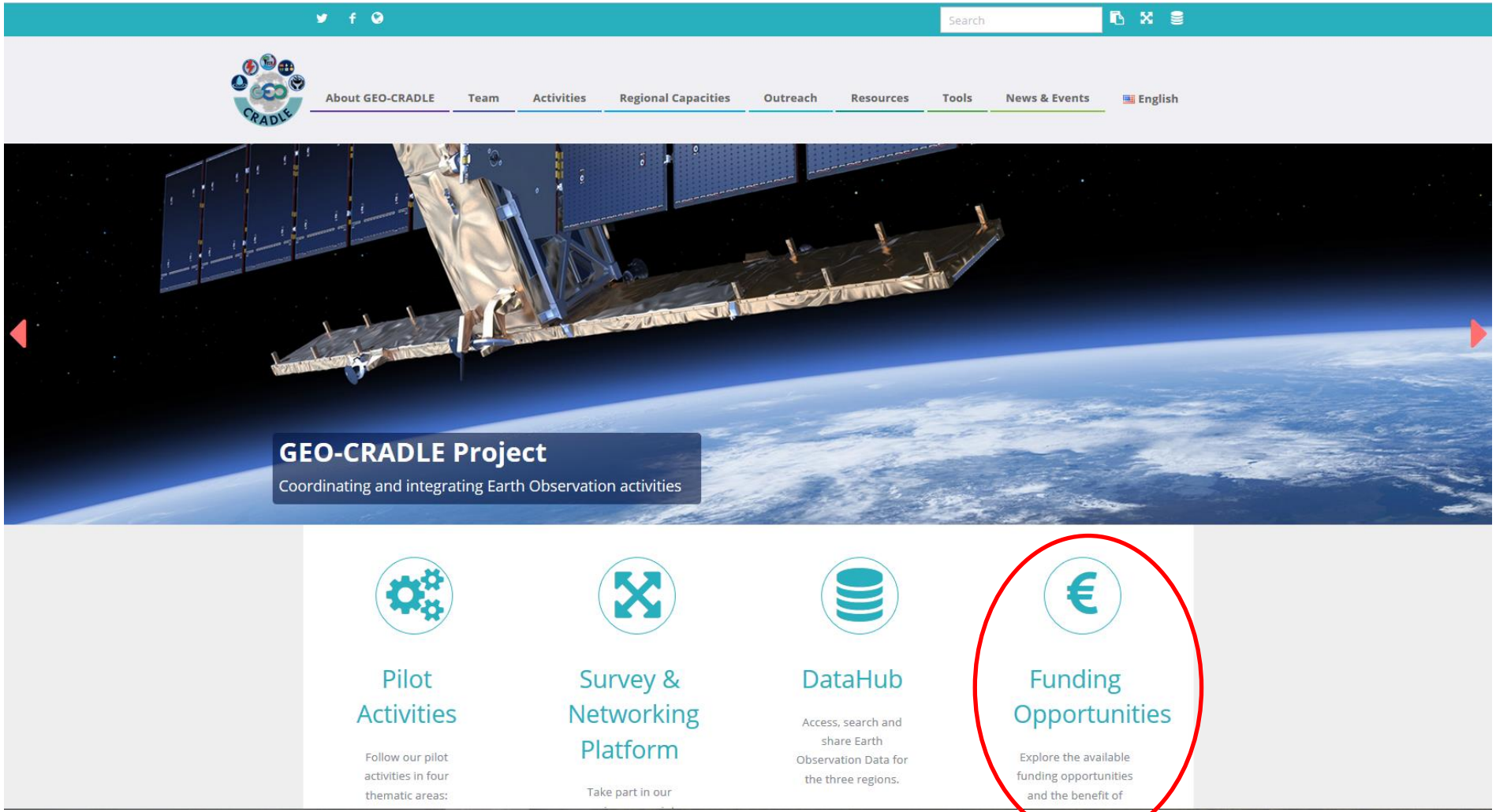
GEO-CRADLE website in english



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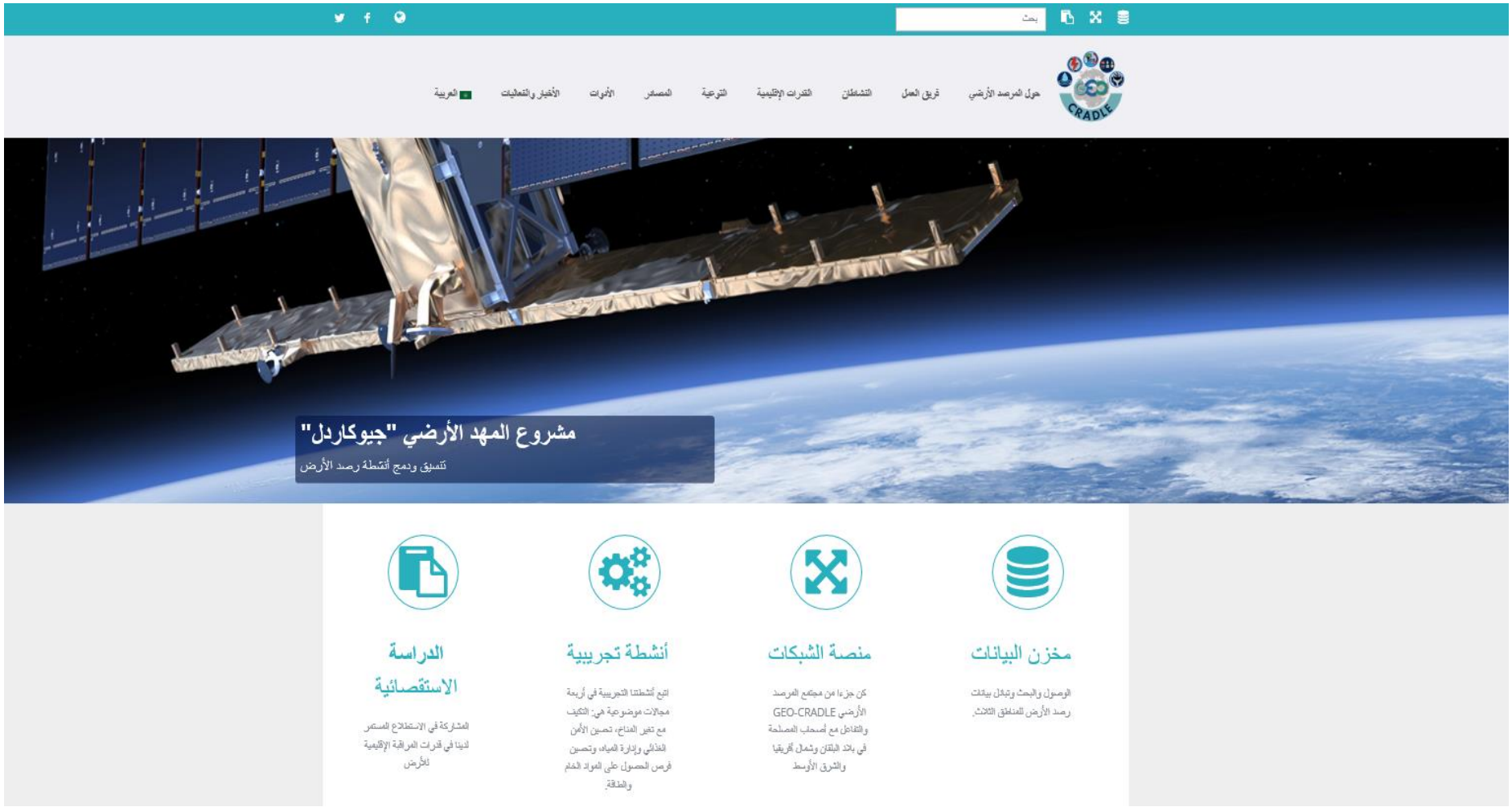
GEO-CRADLE website in arabic



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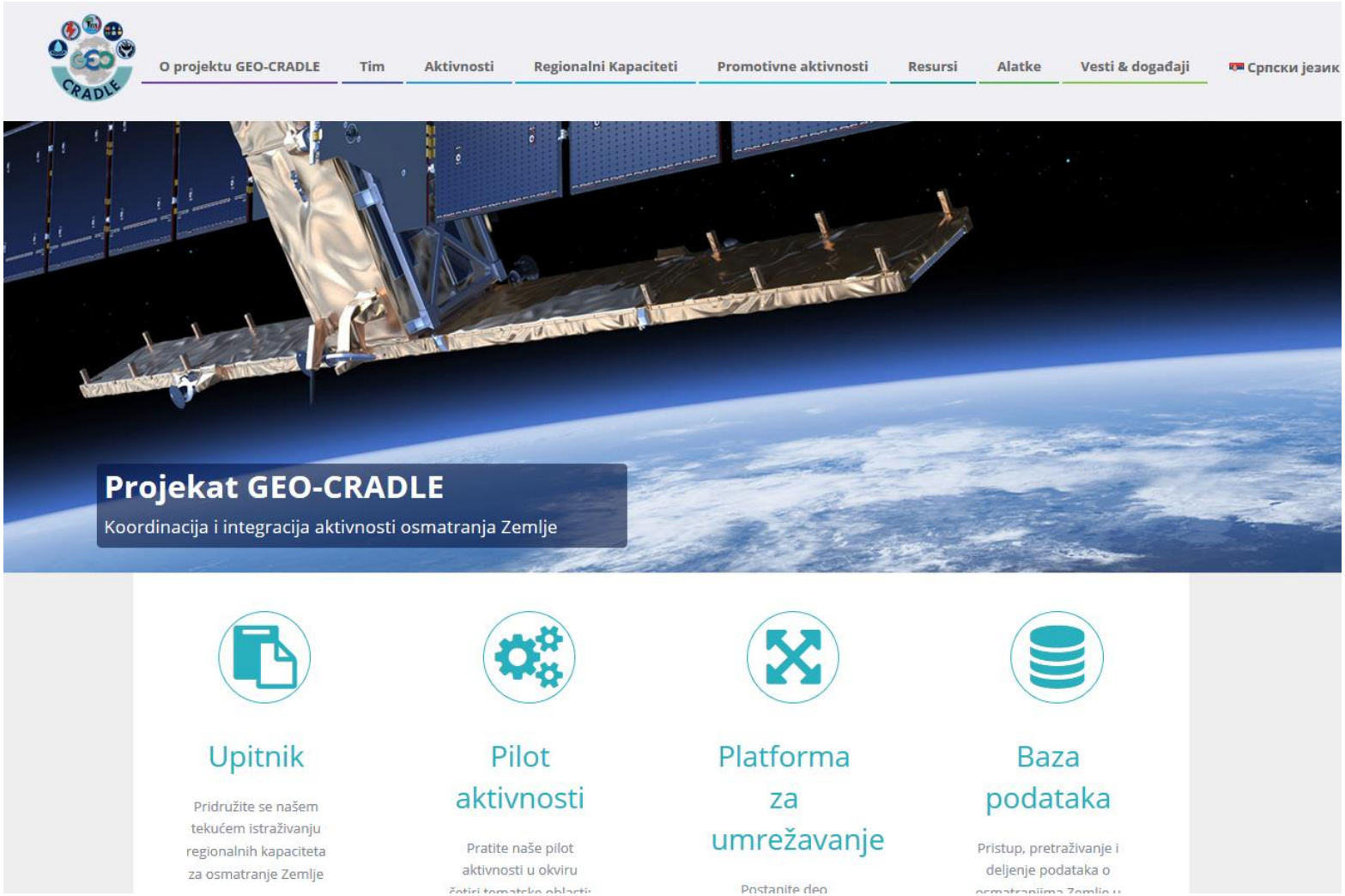
GEO-CRADLE website in serbian



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thank you!

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