

GEO-CRADLE

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 initiatives toward GEOSS

GEO-CRADLE Pre-Kick Off & Kick Off Meetings 18th - 19th of February, 2016

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 €

Dr Haris KONTOES Research Director of IAASARS/NOA Project Coordinator









Project Objectives

- To create a multi-regional (Balkans, N. Africa and Middle East, namely Rol) coordination network
- Support the effective integration of Earth Observation capacities in the Rol
- Facilitate the engagement of the complete ecosystem of EO stakeholders in the Rol
- Promote the uptake of EO services and data in response to regional needs
- Enhance the participation in and contribution to the implementation of GEO, GEOSS, and Copernicus in the Rol



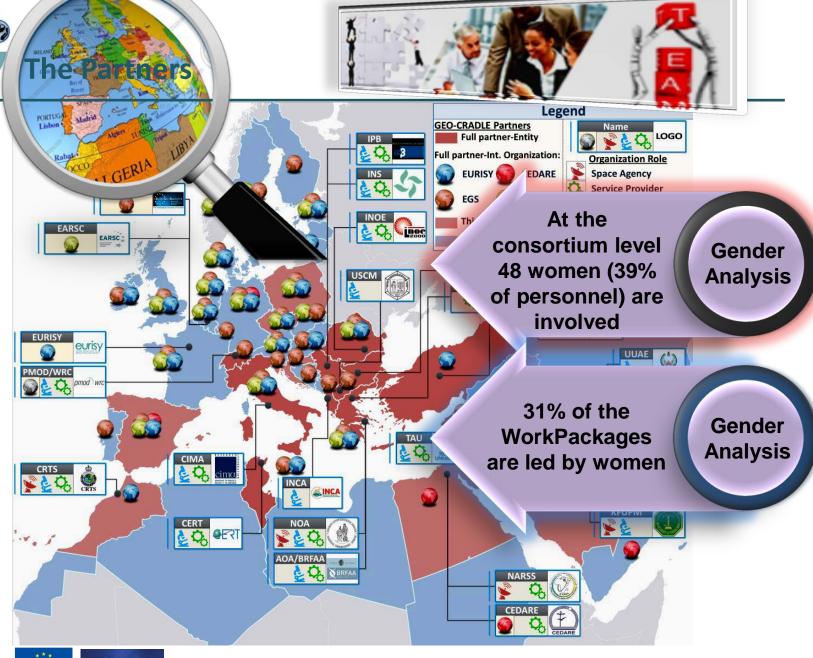






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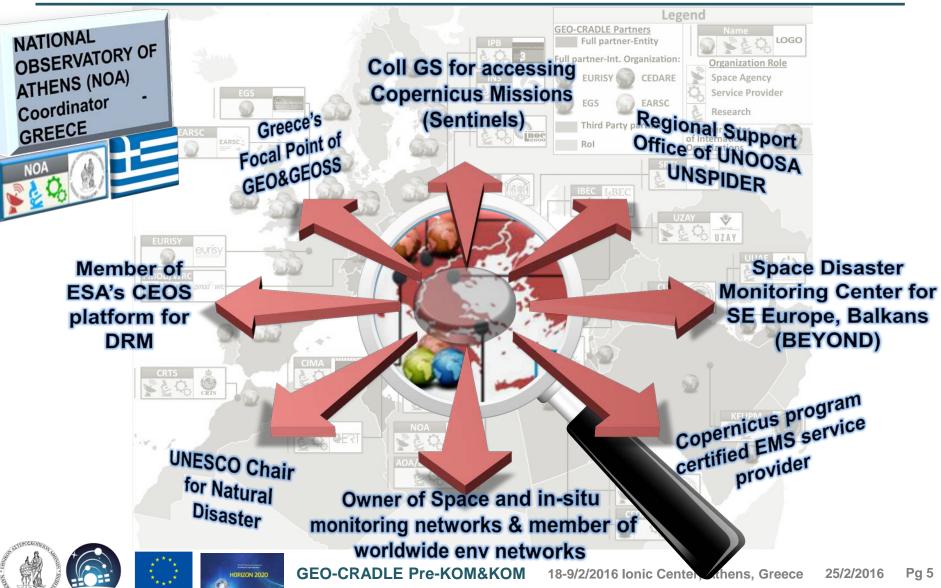






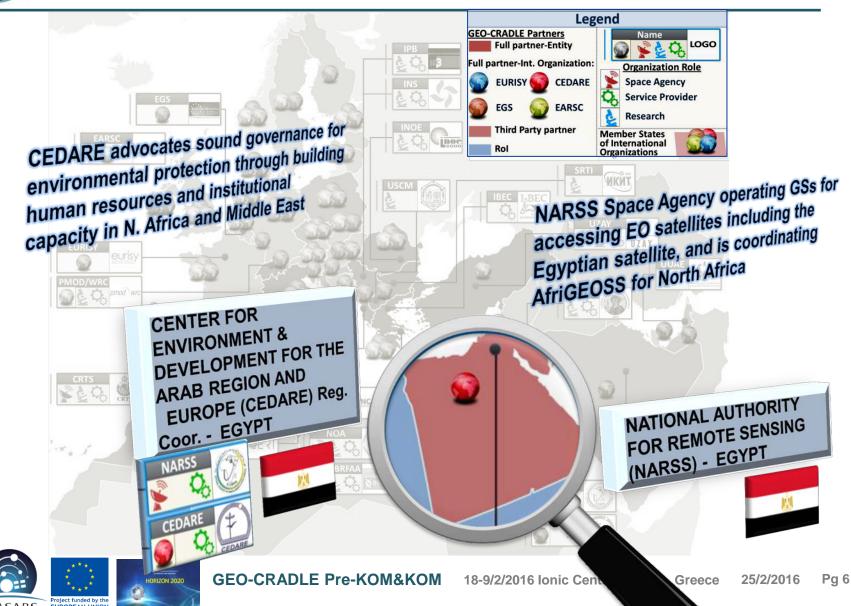


















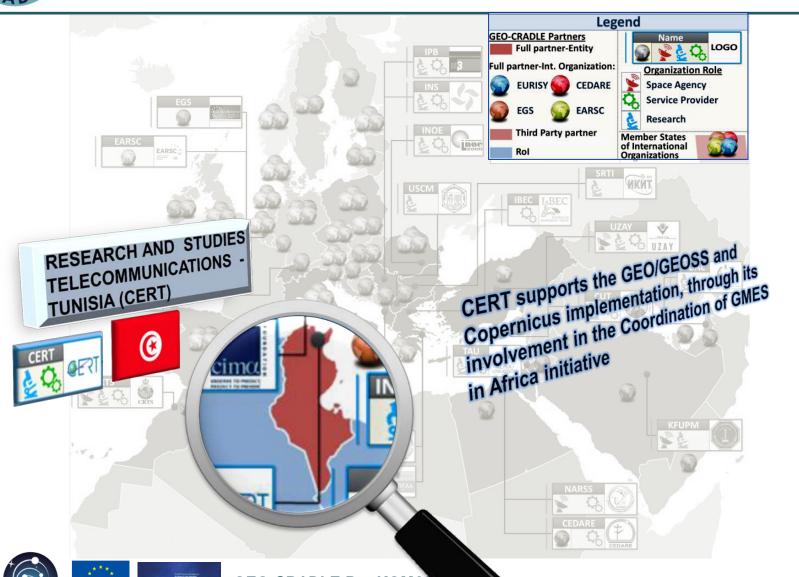












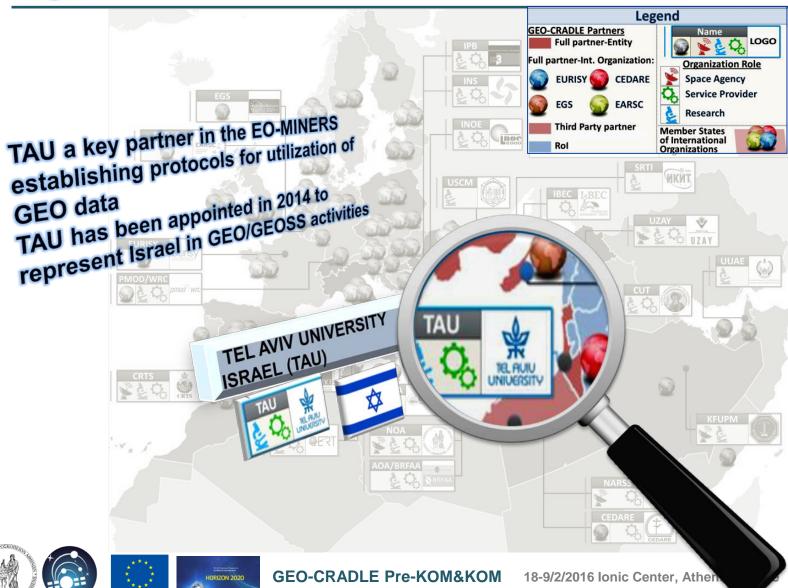


















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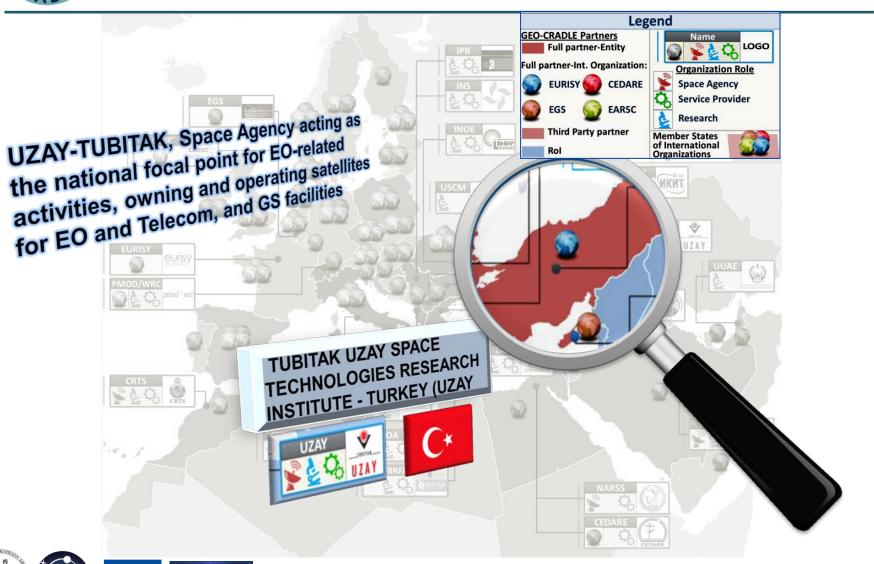
























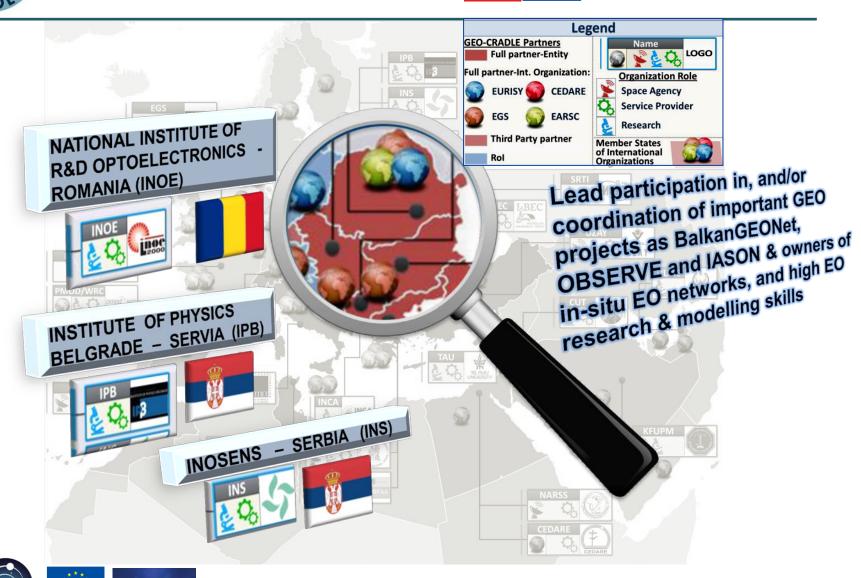






















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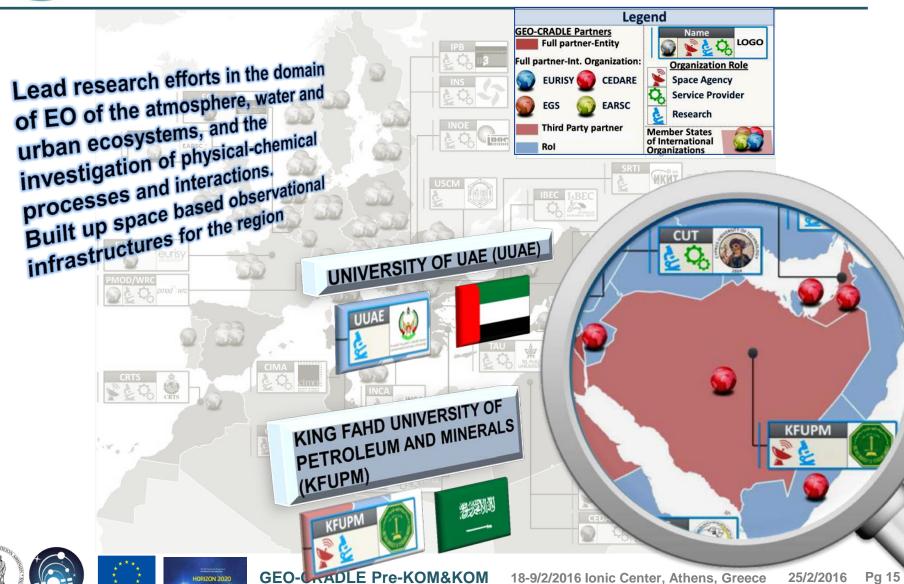


















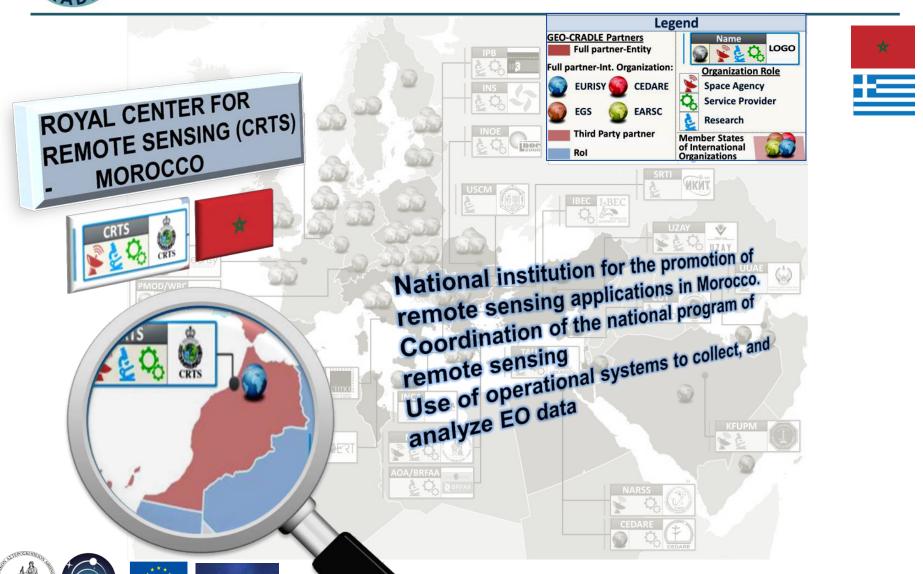














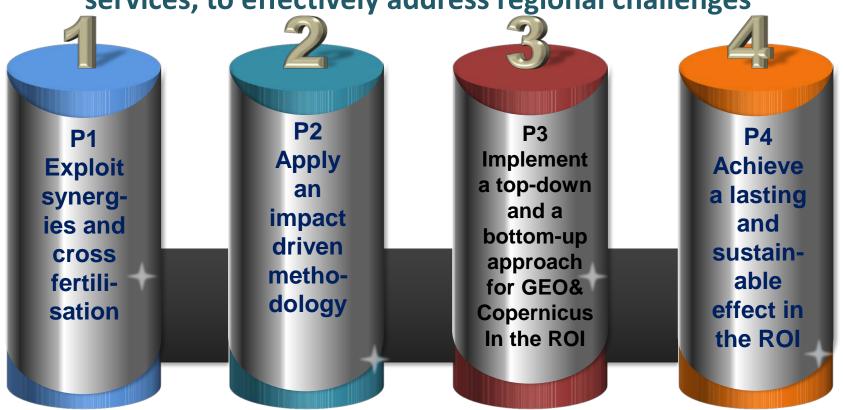






Pillars of GEO-CRADLE concept

At the core of GEO-CRADLE lies the creation of a regional network that enables the better exploitation of EO data, and the development of EO services, to effectively address regional challenges



4 main pillars underpin the GEO-CRADLE concept









Pillars of GEO-CRADLE concept

P1. Exploit synergies and cross fertilisation

A fresh perspective of a coordinated & integrated exploitation of infrastructures, human capacities, and interdisciplinary science in the service context of GEO, GEOSS and Copernicus

Cross-border collaboration

P1 Exploit synergies and cross fertilisation AfriGEOSS, BRAGMA, EOPOWER, OBSERVE, EnerGEO, BEYOND, BalkanGEONet, ConnectinGEO

Lessons learned and best practices from past projects and initiatives

Alignment with EC and GEO priorities/vision



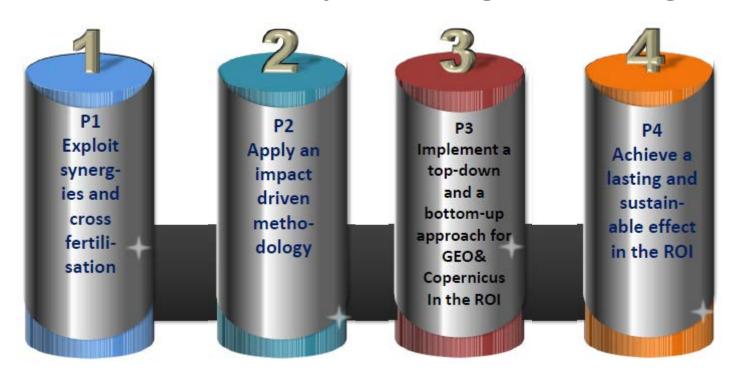






Pillars of GEO-CRADLE concept

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4 main pillars underpin the GEO-CRADLE concept









Overall Approach



30 months project

Roadmap for GEOSS& Copernicus Regional Data Hub GEO-CRADLE Network

Copernicus (WP5)

Renewable energy
Access to raw materials
Food security and water

Adaptation to CC

Regional priorities

Maturity Indicators

Gap Analysis

User need analysis

Skills & computing

In-situ networks

Space-borne

Pilots towards regional challenges (WP4)

Gap Analysis, Indicators and Priorities (WP3)

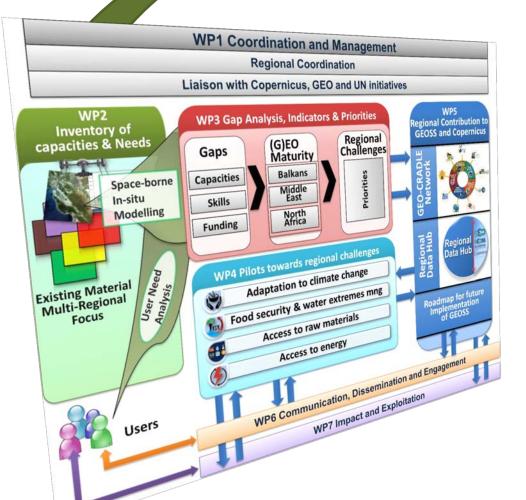
Inventory of capacities and user needs (WP2)

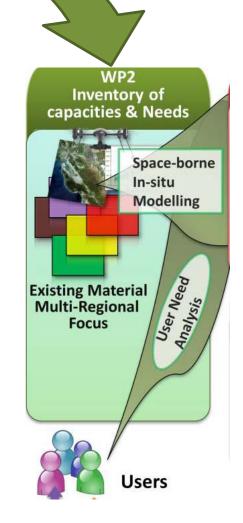
Dissemination & engagement (WP6)

Impact Analysis(WP7)

Regional Contribution to GEOSS and















Overall Approach

A six-fold approach

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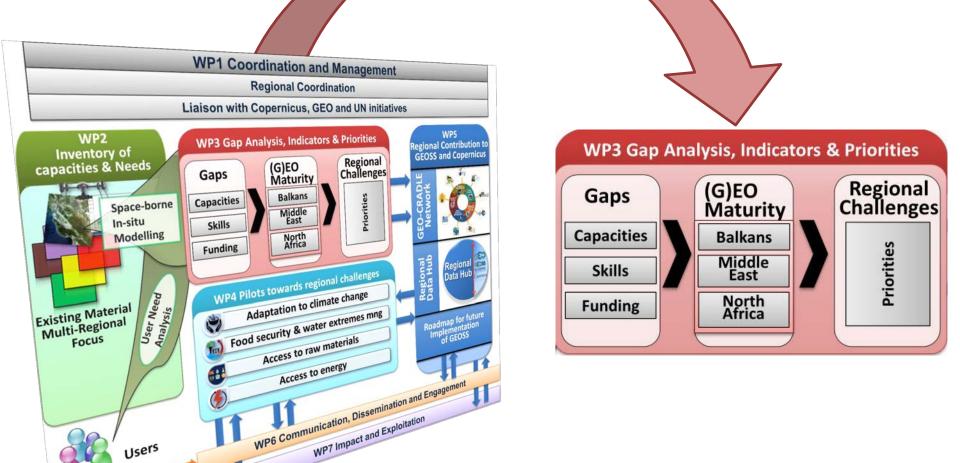
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Regional Data Hub
GEO-CRADLE Network

Region GEO-CE
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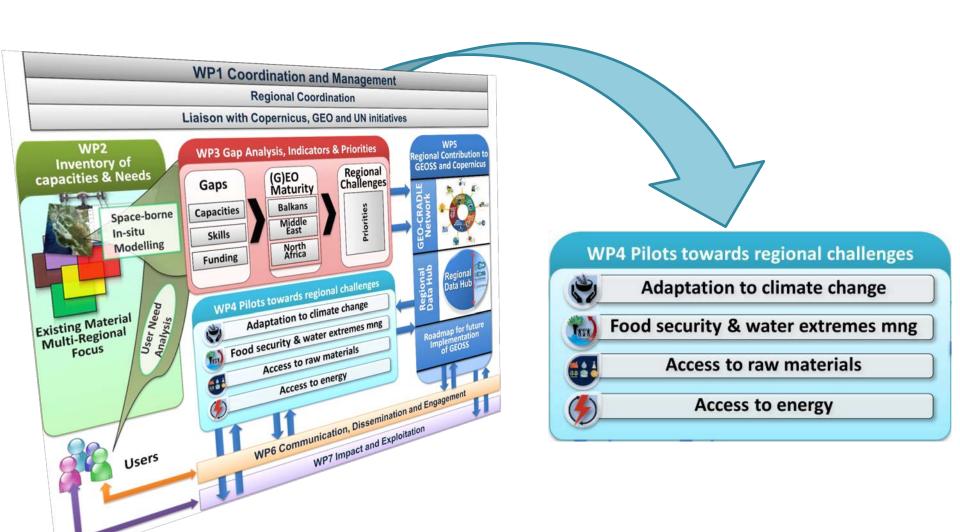
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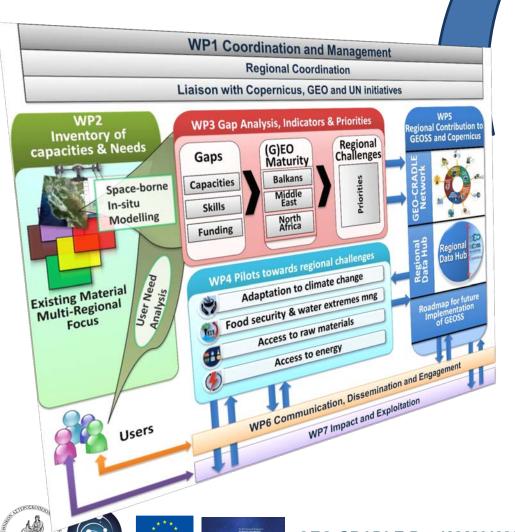
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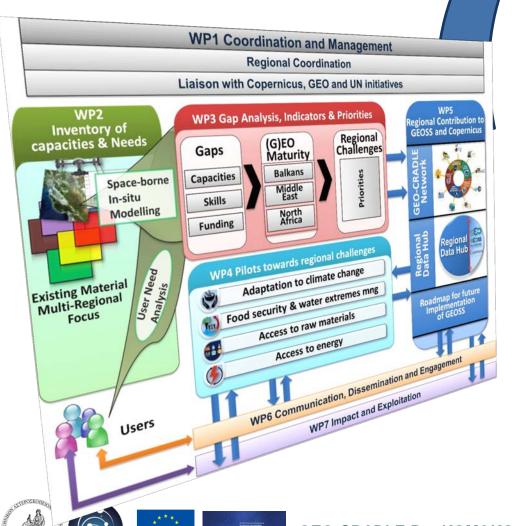


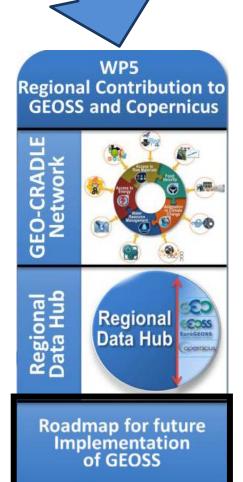




IAASARS

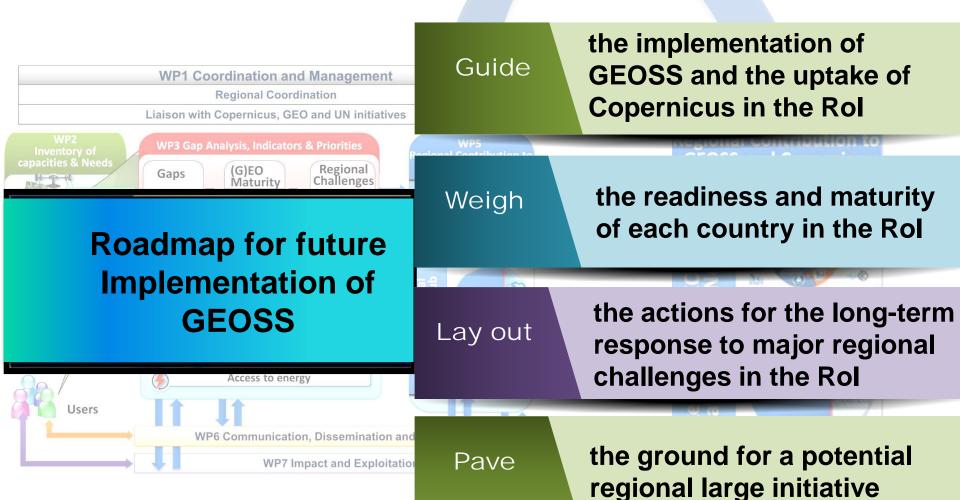
Roadmap for future Implementation of GEOSS







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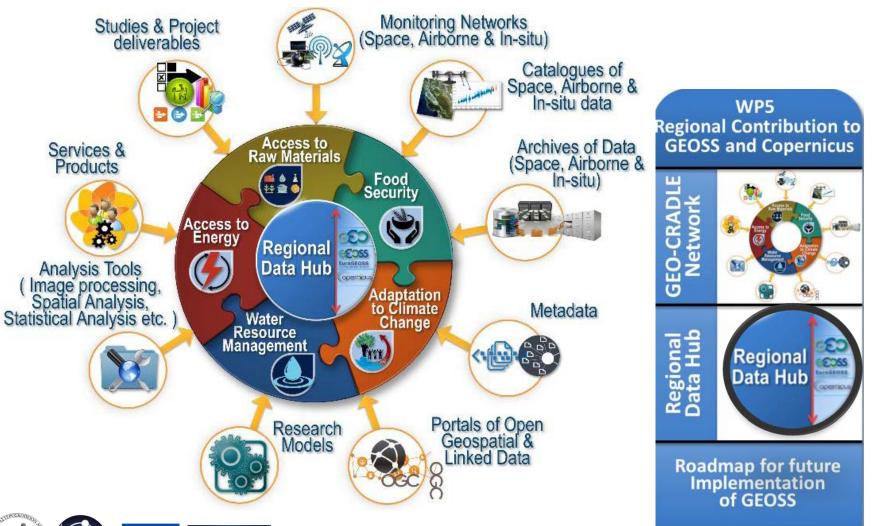








Regional Data Hub



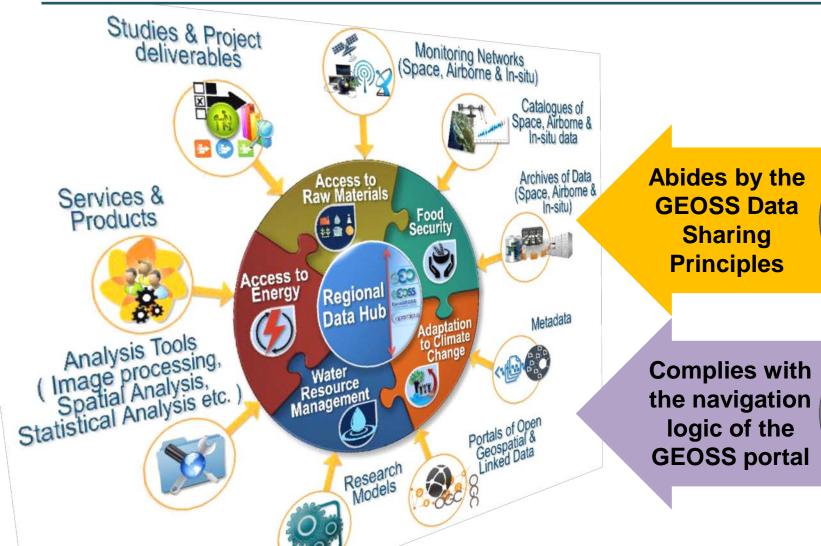








Regional Data Hub



Data Access

Data Access



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Communication, dissemination and engagement

Action Plan Define and implement a communication strategy

Leaflet Webportal Media

Create promotional and communication materials

Culture Language

Different "communication cultures & languages"

Workshops Events, Industry days

Dissemination events coinciding with project mtgs

GEO Copernicus User Fora

Participation to GEO and Copernicus conferences

Stakeholder Engagement Define and implement an engagement strategy









Impact and Exploitation (WP7)

- Asses the maturation of each country & Rol towards GEOSS and Copernicus
- 2 Measuring the overall project's impact using predefined Key Performance Indicators









Regional EO capacities, gaps and priorities (WP2+WP3)

Showcase feasibility study results, web portal, Regional Data Hub, Communication, Dissemination, Networking, Engagement (WP4+WP5+W6)

Maturity
Indicators and
country (G)E0
Profile I

Impact assessment methodology (KPIs)

Maturity
Indicators and
country (G)EO
Profile II

Impact Assessment Report

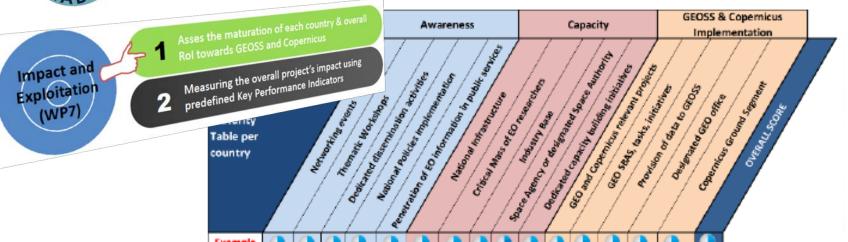




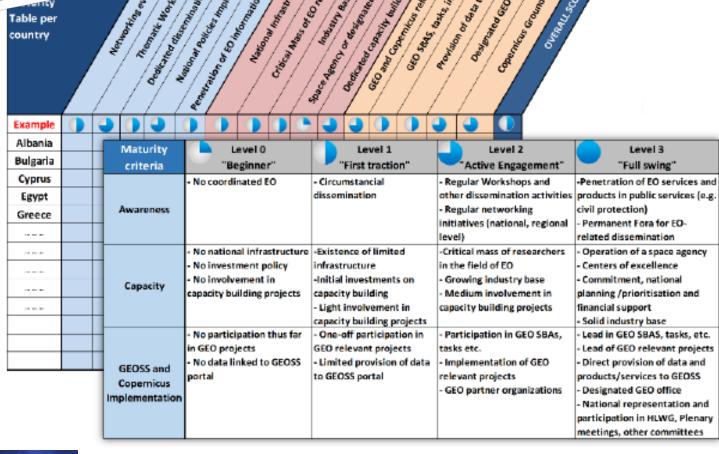








Maturity Indicators and table per country - (G)EO Profile













Asses the maturation of each country & overall Rol towards GEOSS and Copernicus Impact and Measuring the overall project predefined Key Performance Exploitation

> Pre-defined Key Performance Indicators (KPIs) and overall impact Assessment of GEO-CRADLE

's impact using	Target range	
Indicators Timing 12	t1	t2
кеgional EO capacities, gaps and priorities (WP2+WP3)		
Stakeholders participating in dedicated surveys	50-75	100-150
In-situ networks to be supported and integrated	20-25	25-30
Unified and complementary operation of regional observational systems	10-15	20-30
(space-based, air-borne and ground segment)		
Gap analyses of key domains (e.g. climate change, food security, raw	4-6	7-15
materials, energy, disaster resilience, etc.)		
Countries covered in priority action plan	14-15	20-25
Contributions to specific challenges, GEOSS and Copernicus (WP4+WP5)		
Experimental campaigns from which data will be integrated	5-7	8-12
Regional Participating Organizations (POs) added to GEOSS	5-7	10-15
Country (G)EO Maturity Profiles	14-18	20-25
Establishment and operation of Regional/National GEO Offices	2-3	3-5
Task leads/contributions to specific GEO tasks by GEO-CRADLE players	5-7	10-15
Engagement and Exploitation (WP6+WP7)		
Regional/National workshops, technical meetings	7-10	15-20
Systematic users of Regional Data Hub	25-50	50-100
Key decision makers engaged in GEO-CRADLE network	10-15	20-30
Spin-off and R&D projects built on GEO-CRADLE and its pilots	1-3	3-5
Private companies engagement to GEO-CRADLE	3-5	5-10
Regional EO actors profile available through GEO-CRADLE portal	50-60	100-150
Countries represented in GEO-CRADLE Network	14-15	20-25











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תודה Dankie Gracias Спасибо Köszönjük Terima kasih Grazie Dziękujemy Dėkojame Ďakujeme Vielen Dank Paldies Kiitos Täname teid 油油 感謝您 **Obrigado** Teşekkür Ederiz 감사합니다 Σας ευχαριστούμε υουρί Bedankt Děkujeme vám ありがとうございます **Tack**





