

Regional dimension for GEO and capacity building priorities



Session: #15

Part 1: Operational EO value-added chains: from data sources to end-users

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*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 €

GEO-CRADLE:

Fostering regional cooperation
and roadmap for GEO and
Copernicus implementation in
N. Africa, Middle East, and the
Balkans





1

To create a multi-regional (Balkans, N. Africa and Middle East, namely RoI) coordination network

2

Support the effective integration of Earth Observation capacities in the RoI

3

Facilitate the engagement of the complete ecosystem of EO stakeholders in the RoI

4

Promote the uptake of EO services and data in response to regional needs

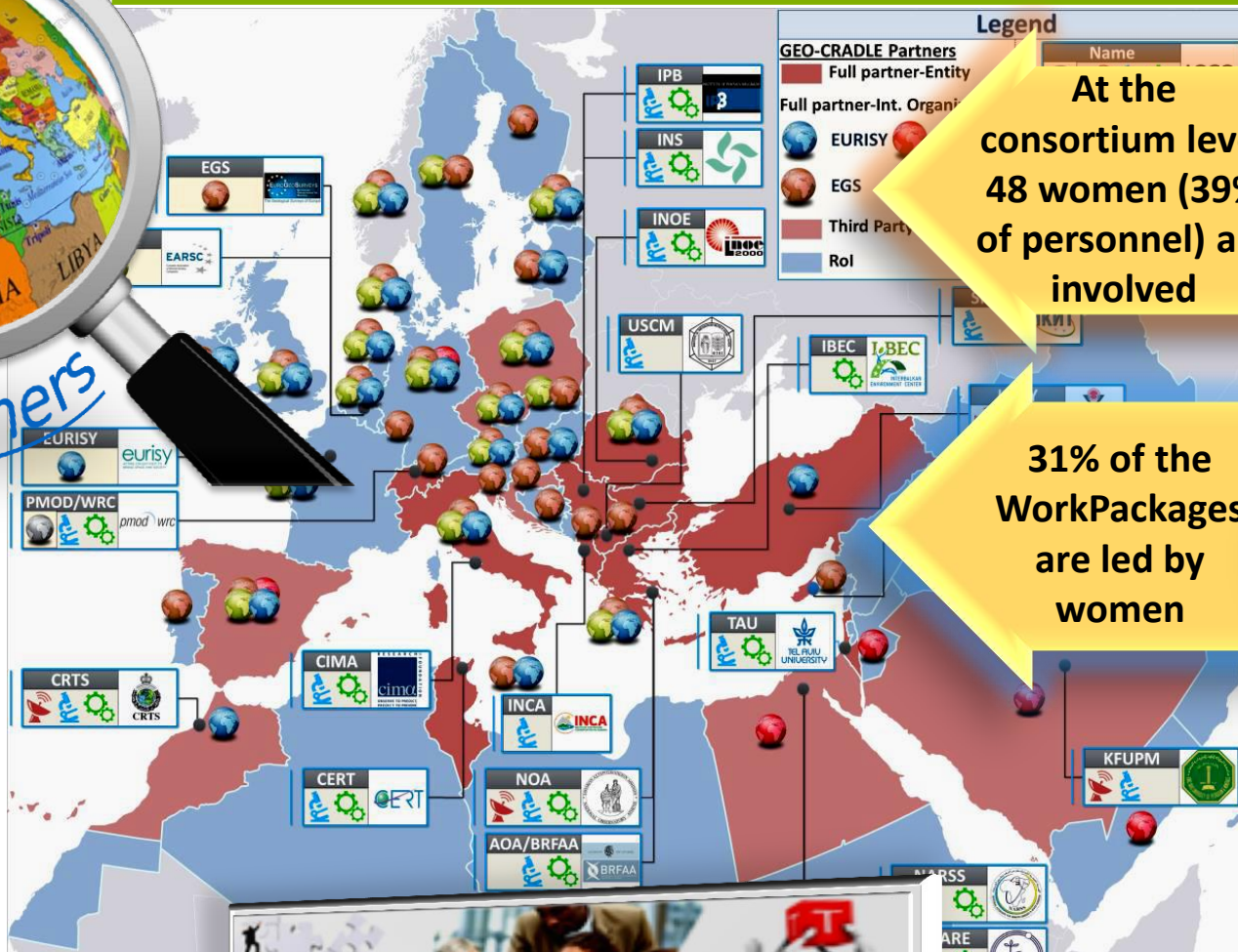
5

Enhance the participation in and contribution to the implementation of GEO, GEOSS, and Copernicus in the RoI

Regional dimension for GEO and capacity building priorities



The Partners



Legend

| GEO-CRADLE Partners | |
|---------------------|--------------------------|
| Name | |
| [Red Pin] | Full partner-Entity |
| [Blue Pin] | Full partner-Int. Organ. |
| [Brown Pin] | Third Party |
| [Blue Pin] | RoI |

At the consortium level 48 women (39% of personnel) are involved

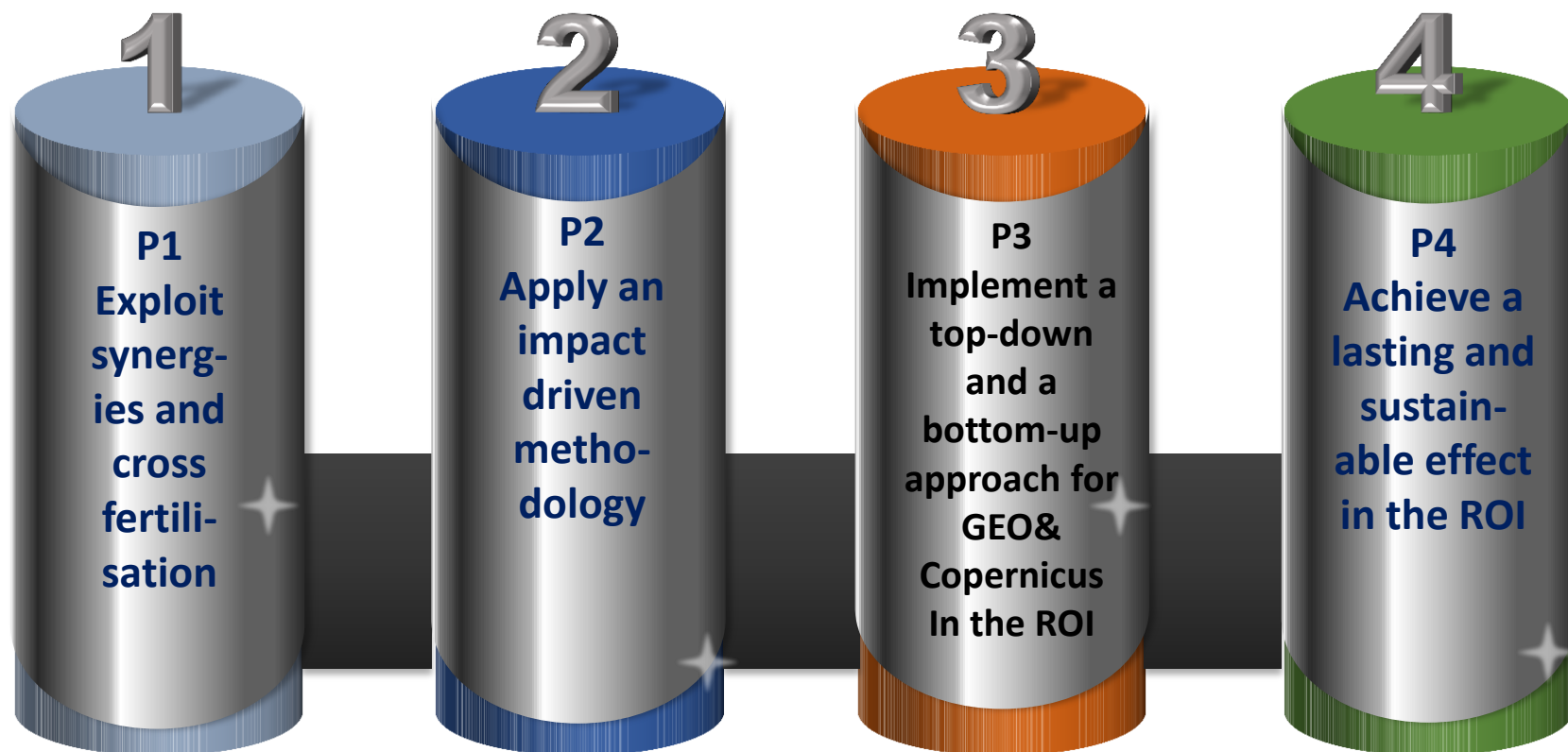


31% of the WorkPackages are led by women

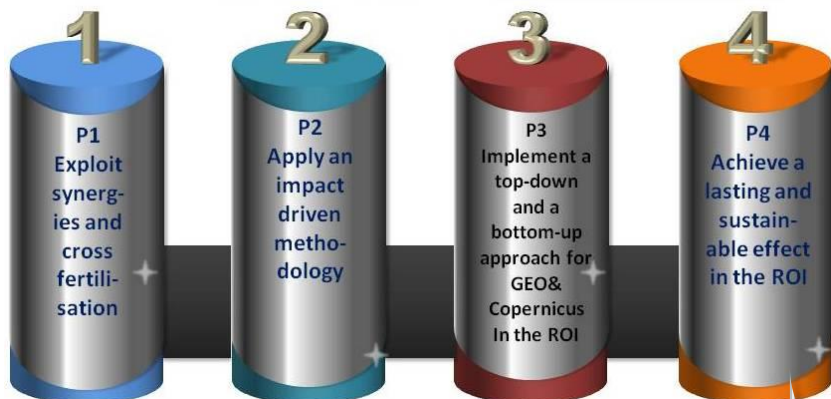




4 main pillars underpin the GEO-CRADLE concept



Regional dimension for GEO and capacity building priorities



AfriGEOSS, BRAGMA, EOPOWER, OBSERVE, EnerGEO, BEYOND, BalkanGEO Net, ConnectinGEO

1 Lessons learned and best practices from past projects and initiatives

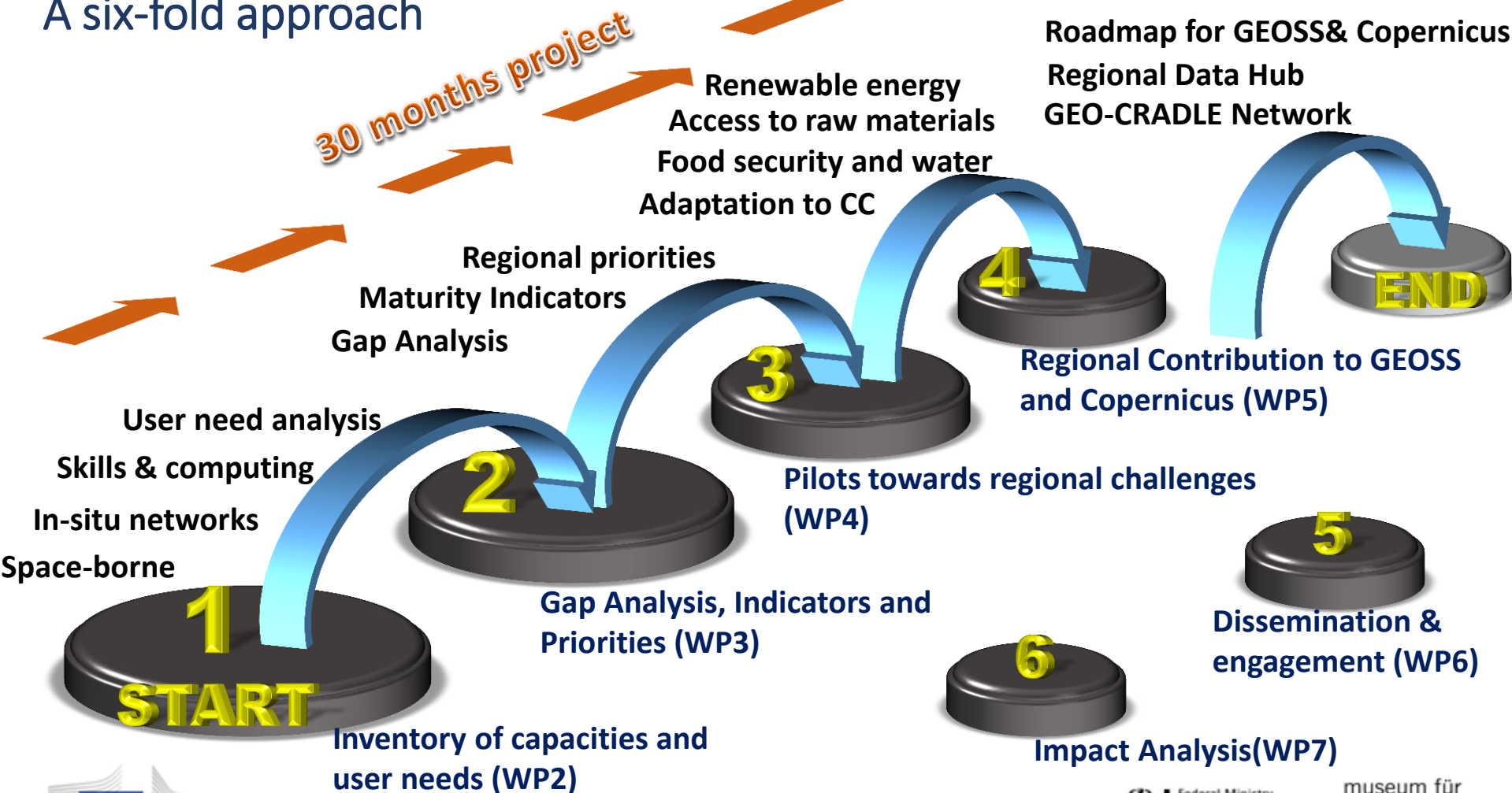
2 Alignment with EC & GEO priorities/vision

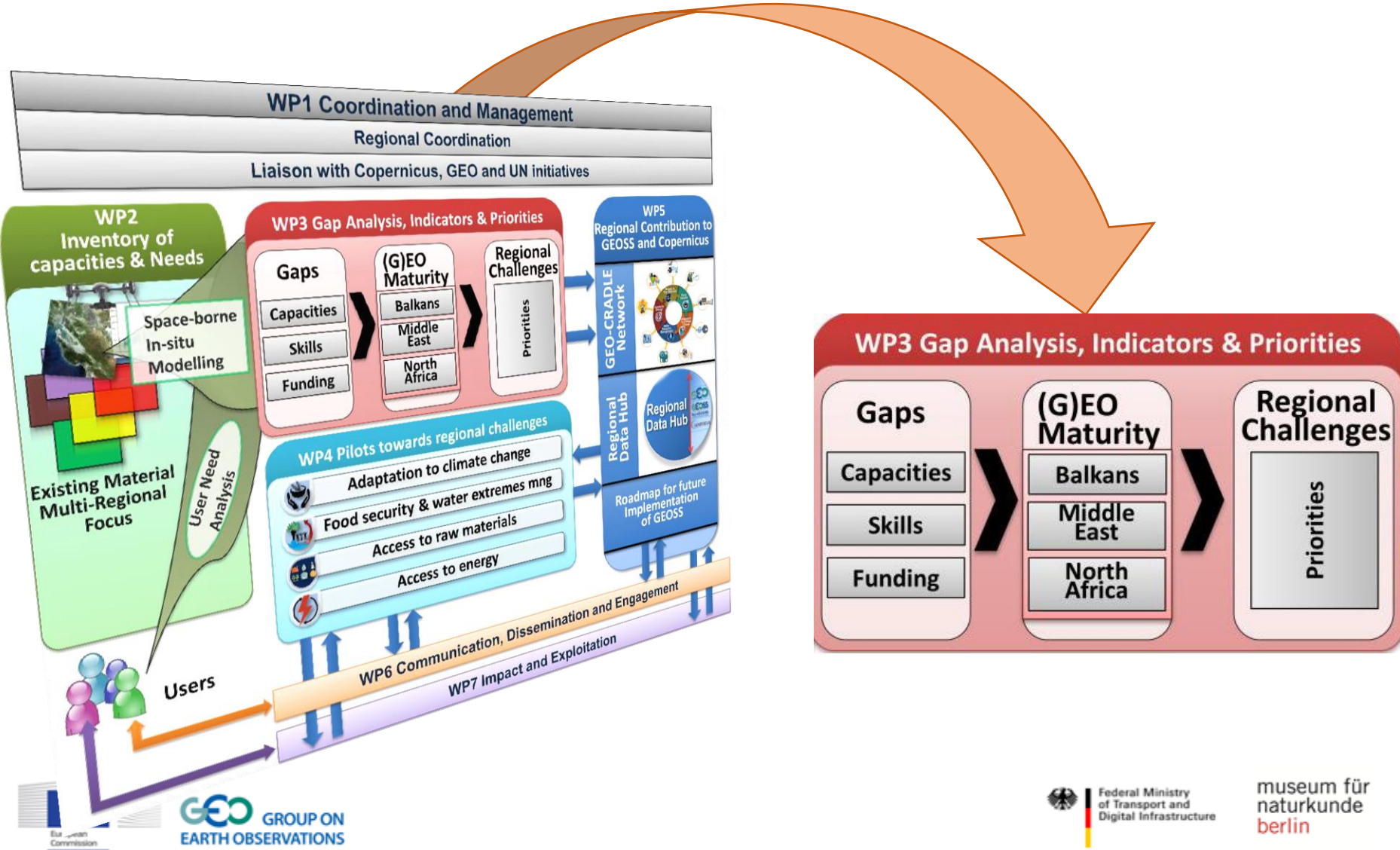


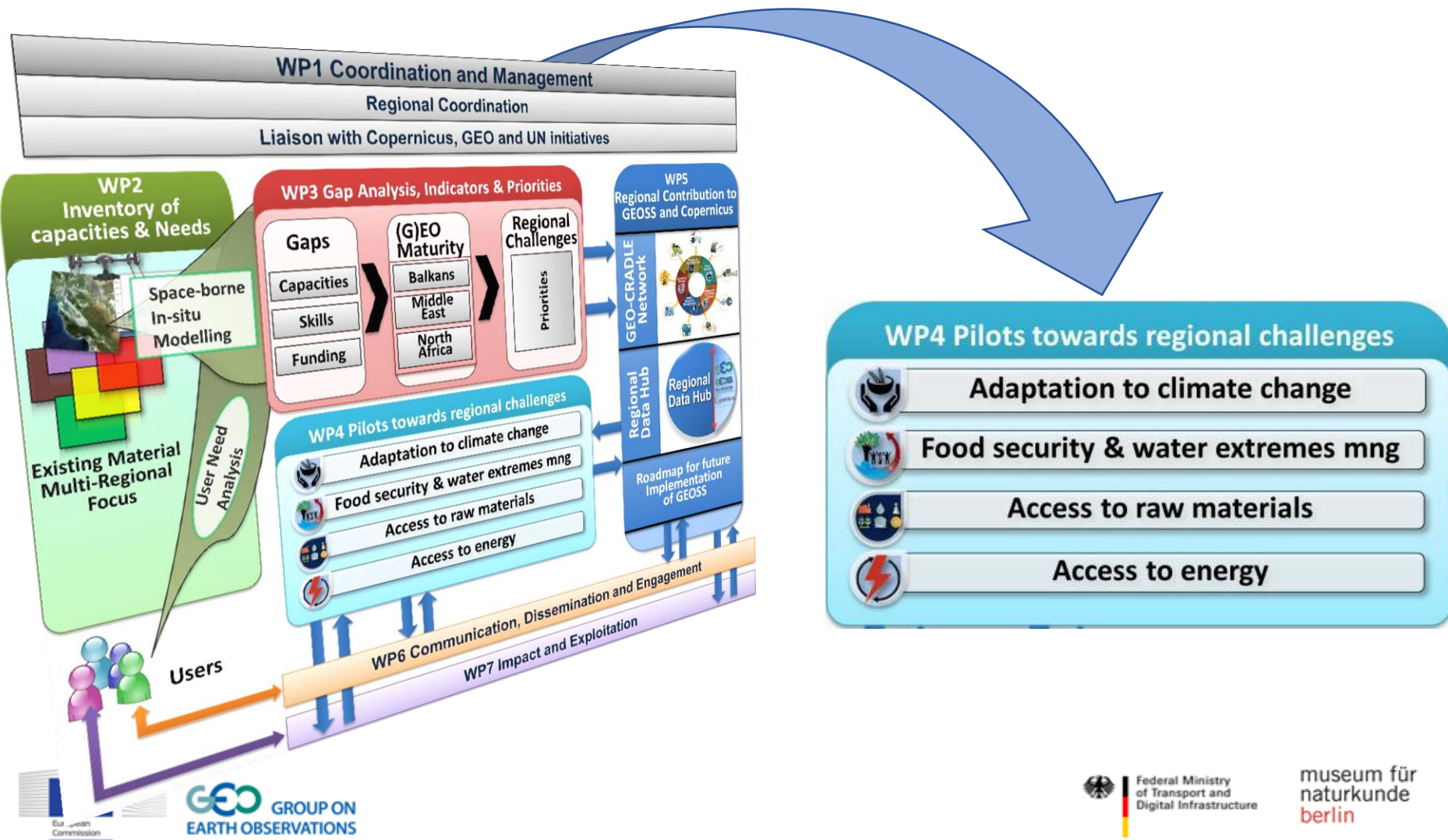
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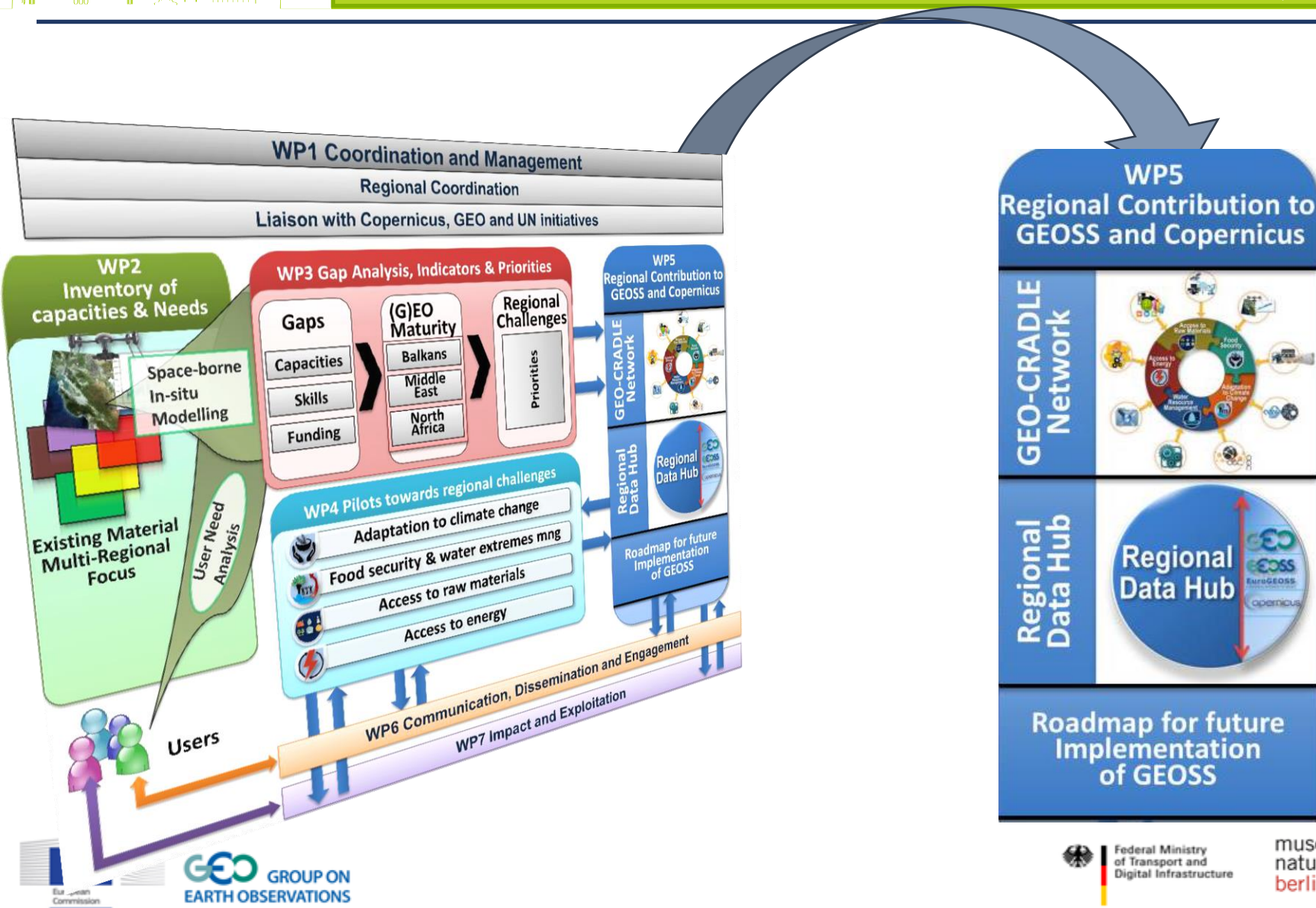


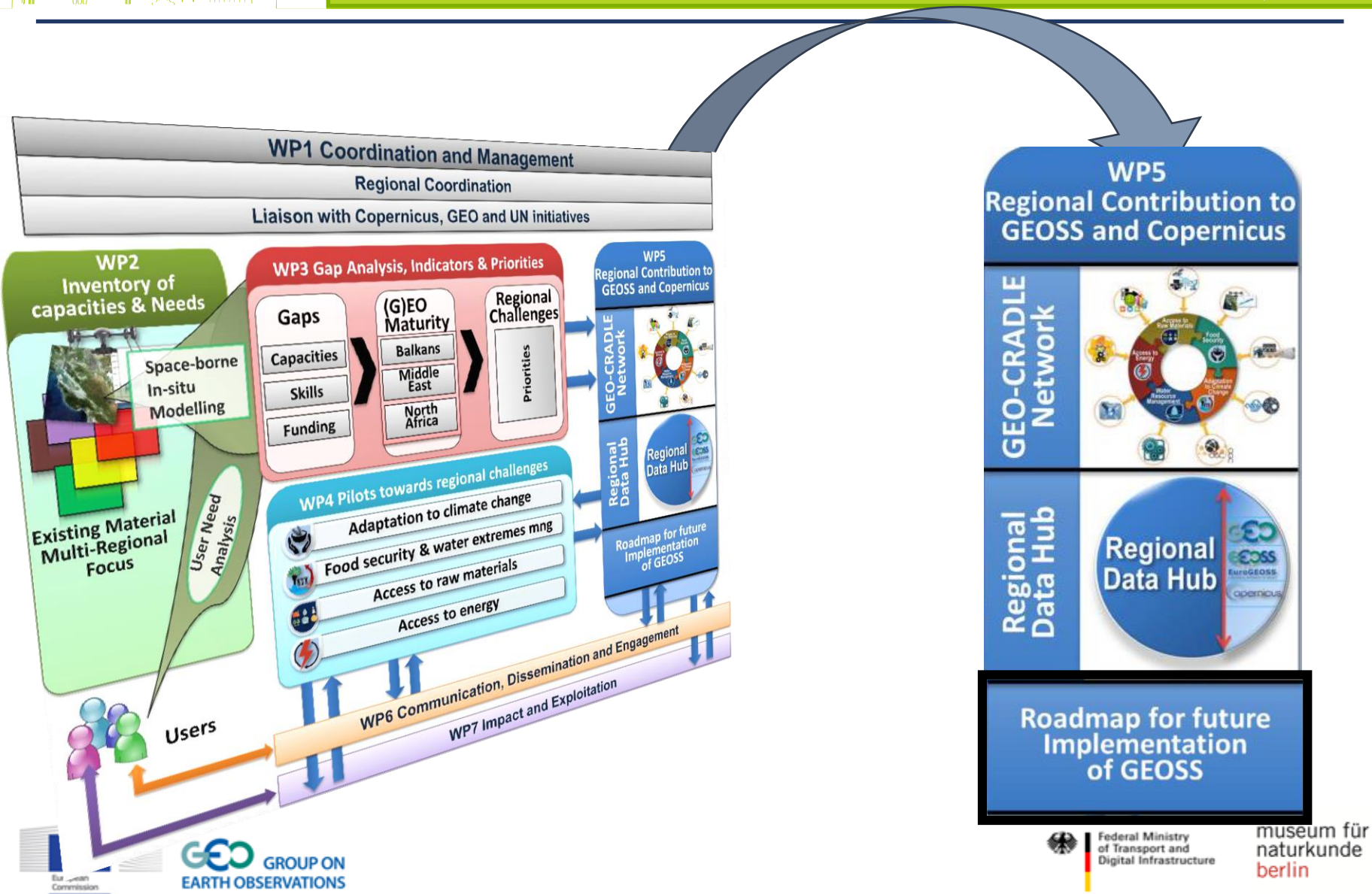
A six-fold approach











WP1 Coordination and Management

Regional Coordination

Liaison with Copernicus, GEO and UN initiatives

Guides

the implementation of
GEOSS and the uptake of
Copernicus in the RoI

WP2
Inventory of
capacities & Needs

WP3 Gap Analysis, Indicators & Priorities

Gaps

(G)EO
Maturity

Regional
Challenges

Assesses

the readiness and maturity of
each country in the RoI

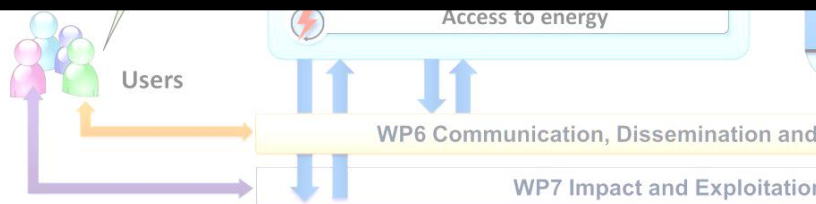
Roadmap for future Implementation of GEOSS

Lays out

the actions for the long-term
response to major regional
challenges in the RoI

Paves

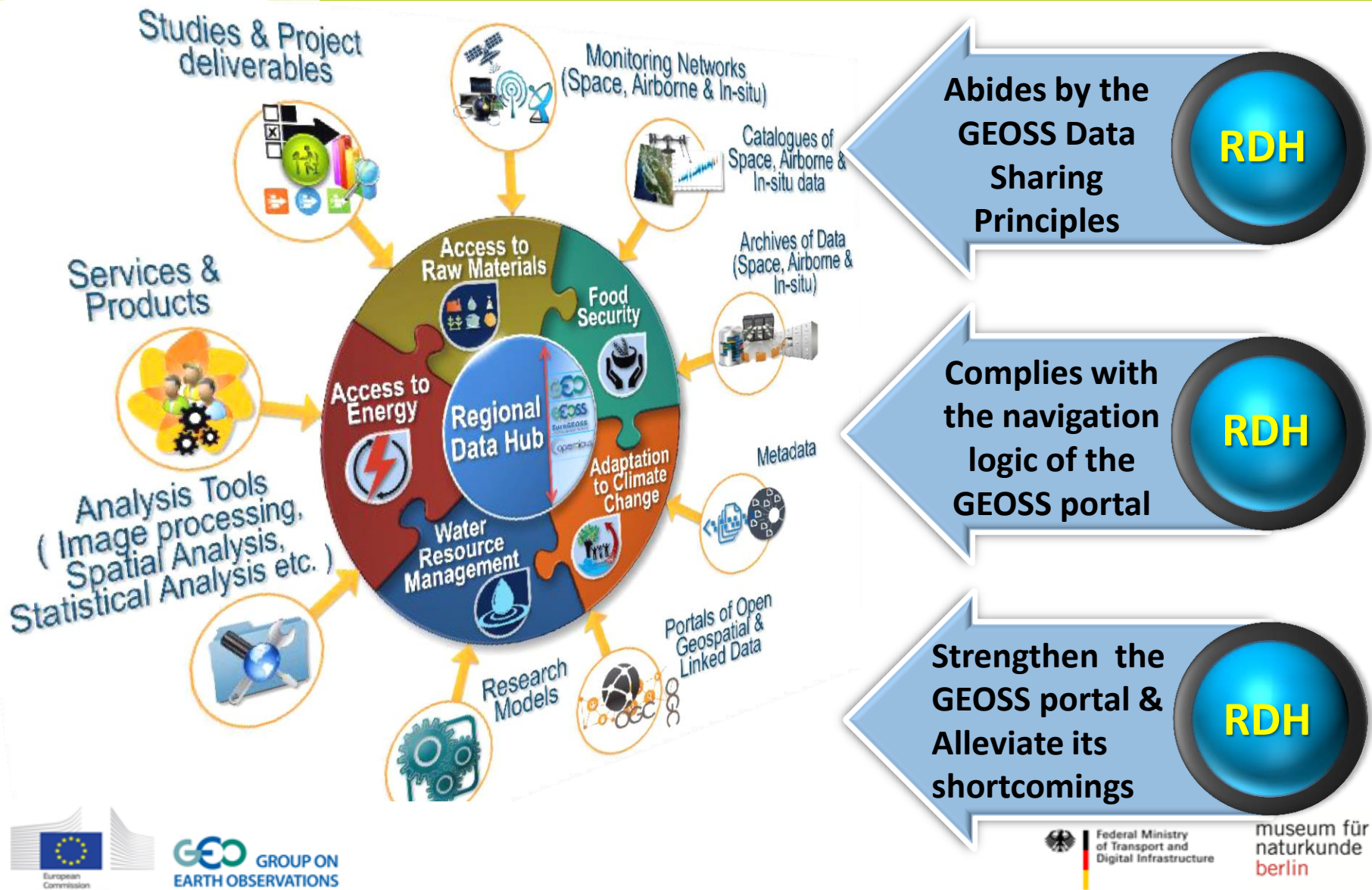
the ground for a potential
regional large initiative



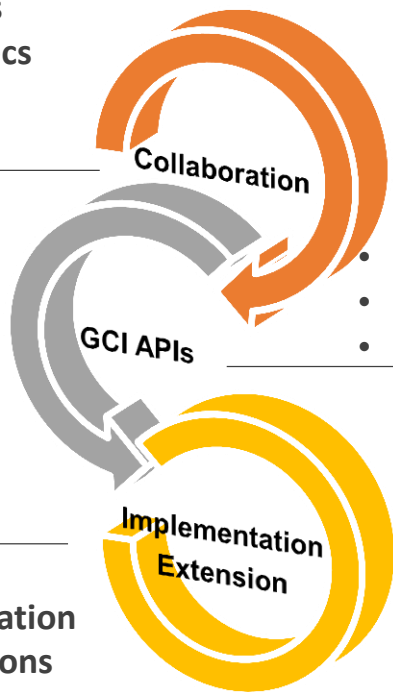


Acts as “one-stop-shop” that offers free access and several discovery options to catalogs of data and metadata specific to the RoI



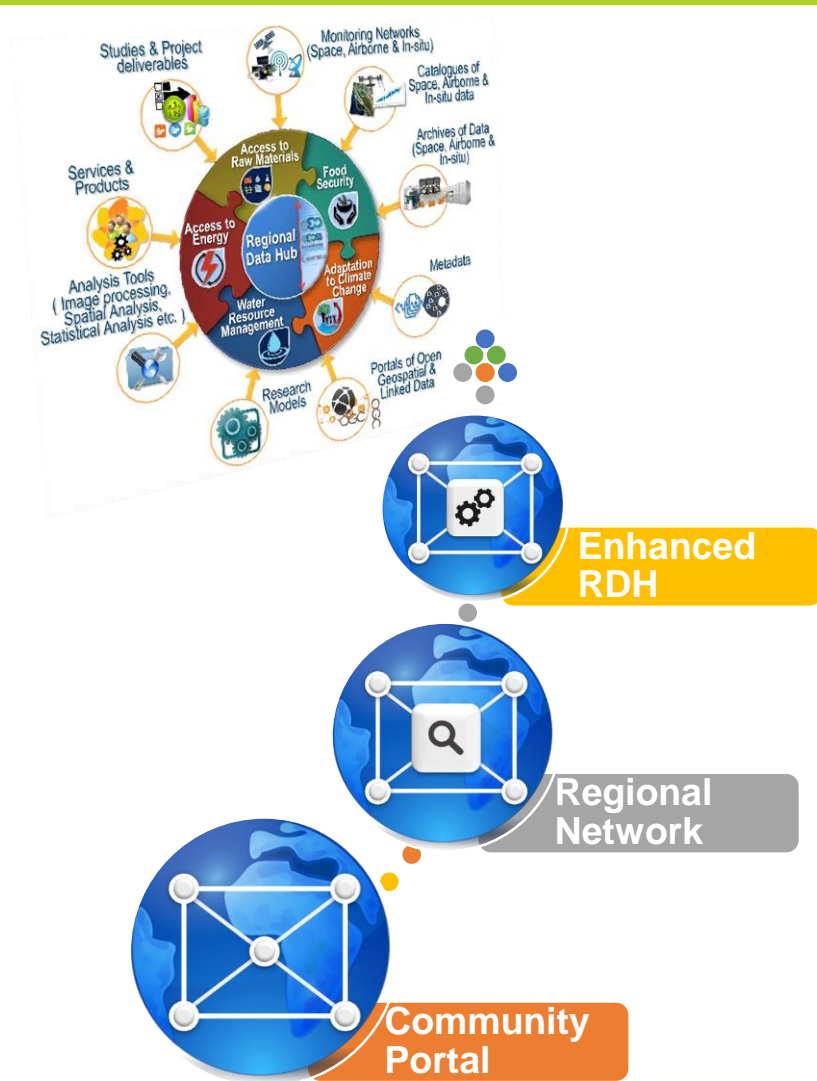


- User Needs
- System Specs
- Data Collection



- GCI, DAB APIs
- Architecture
- Source Code

- Regional Implementation
- API extensions
- RDH Improvements



Engagement of the regional stakeholders across the entire EO value chain

Address realistic regional priorities in respect to user needs & maturity



Knowledge on the available EO capacities

Access to the data & skills (ease & free access)

Getting from data if/when available to operations



Barriers in EO market uptake (administrative, human, financial, linguistic, etc)

Need for building upon the regional capacities and know how



Transferring of know how to stakeholders to ensure service sustainability

Identify the complementarily and build upon the synergy of the regional initiatives



Sustainability of actions and initiatives to be addressed in future GEO & Copernicus calls to ensure the up-scaling EO and networking in the regions



Key barriers/issues

thank you!
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