



## Work Package 6: Gap Analysis and Priorities

Three Tasks:

Task 6.1: Definition of the Gap Analysis Methodology

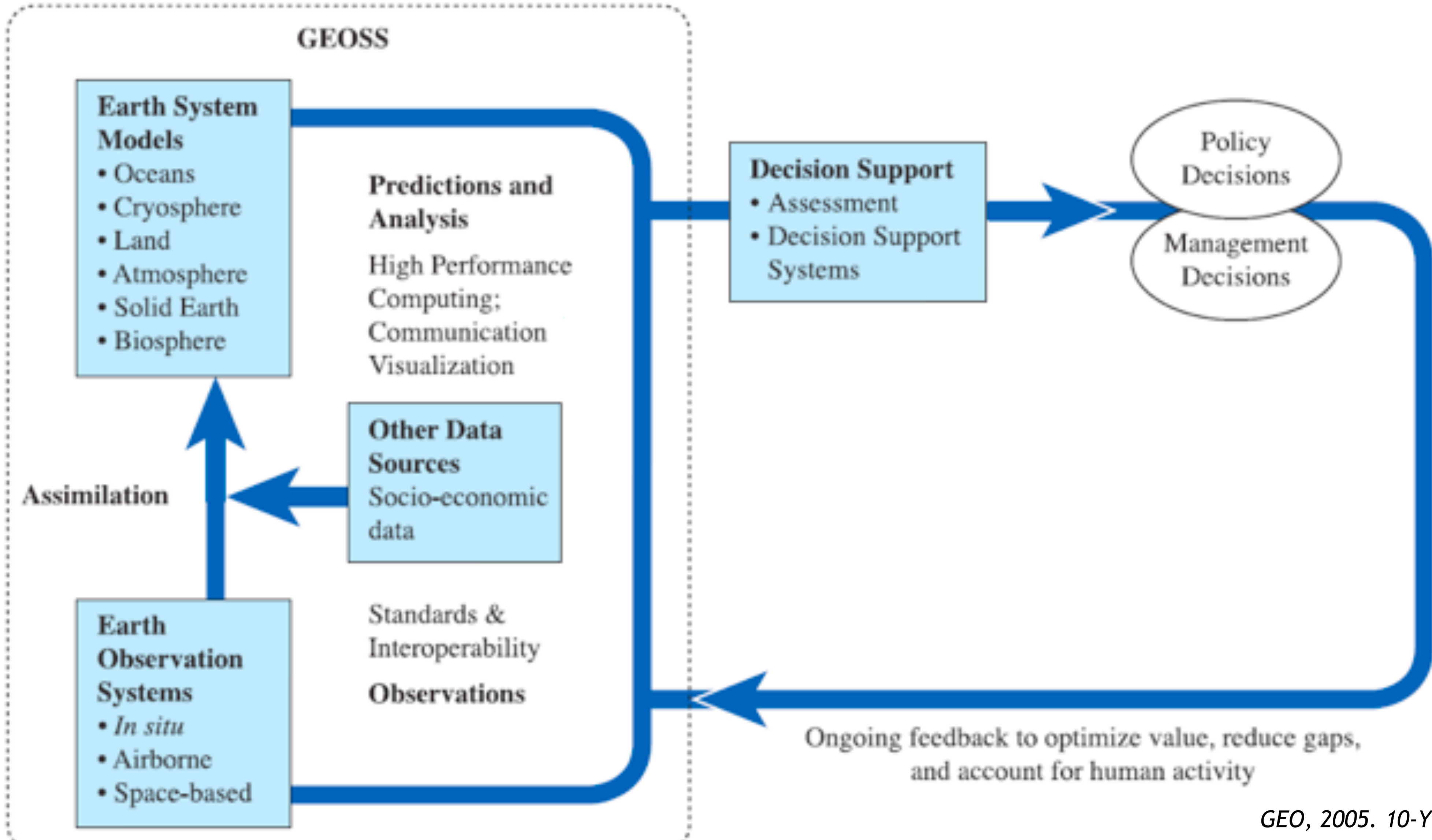
Task 6.2: Gap Analysis

Task 6.3: Priorities Determination

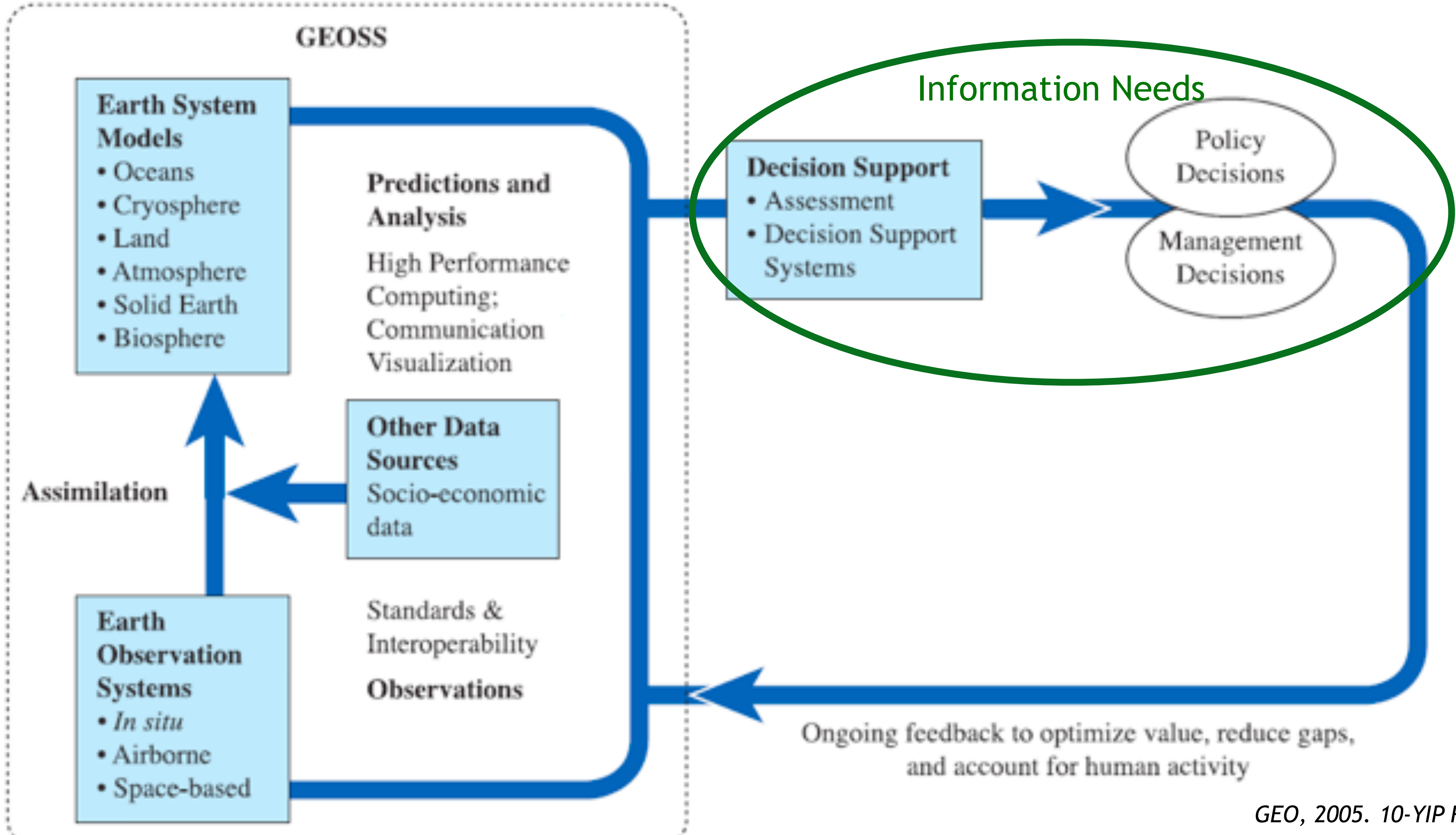
Coordinating an Observation Network  
of Networks EnCompassing saTellite  
and IN-situ to fill the Gaps in European  
Observations



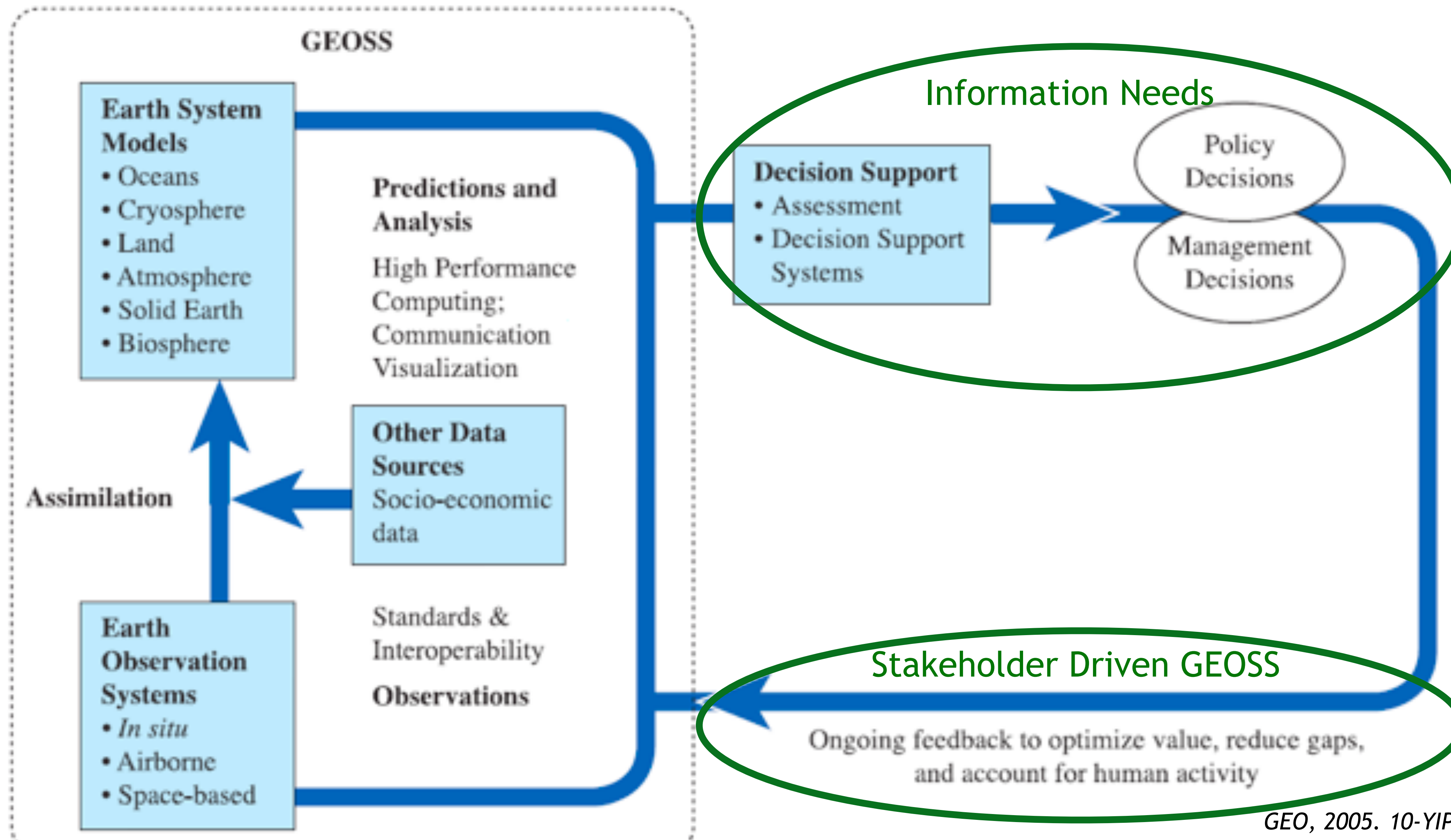
# Enabling Informed Decision Making



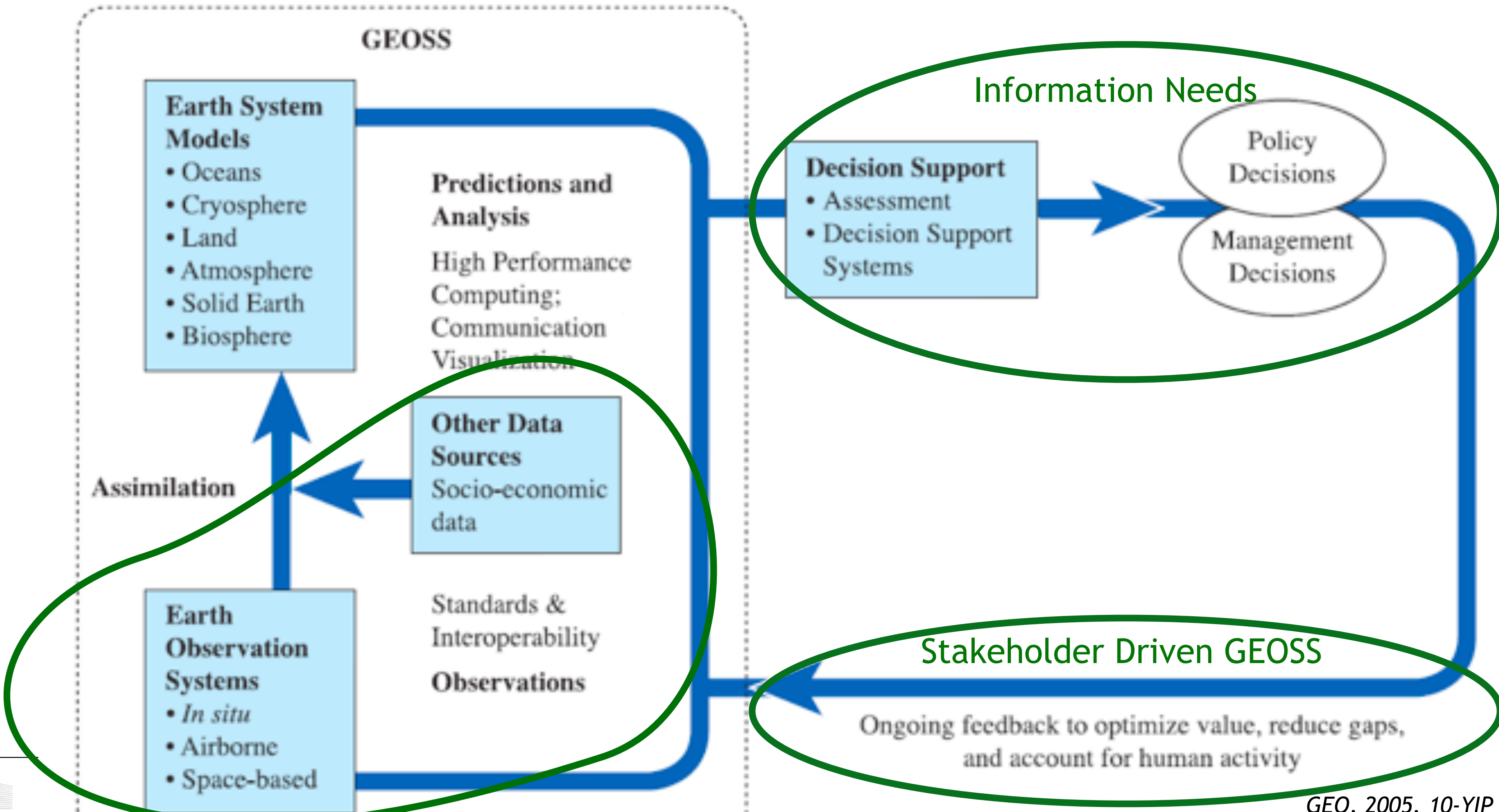
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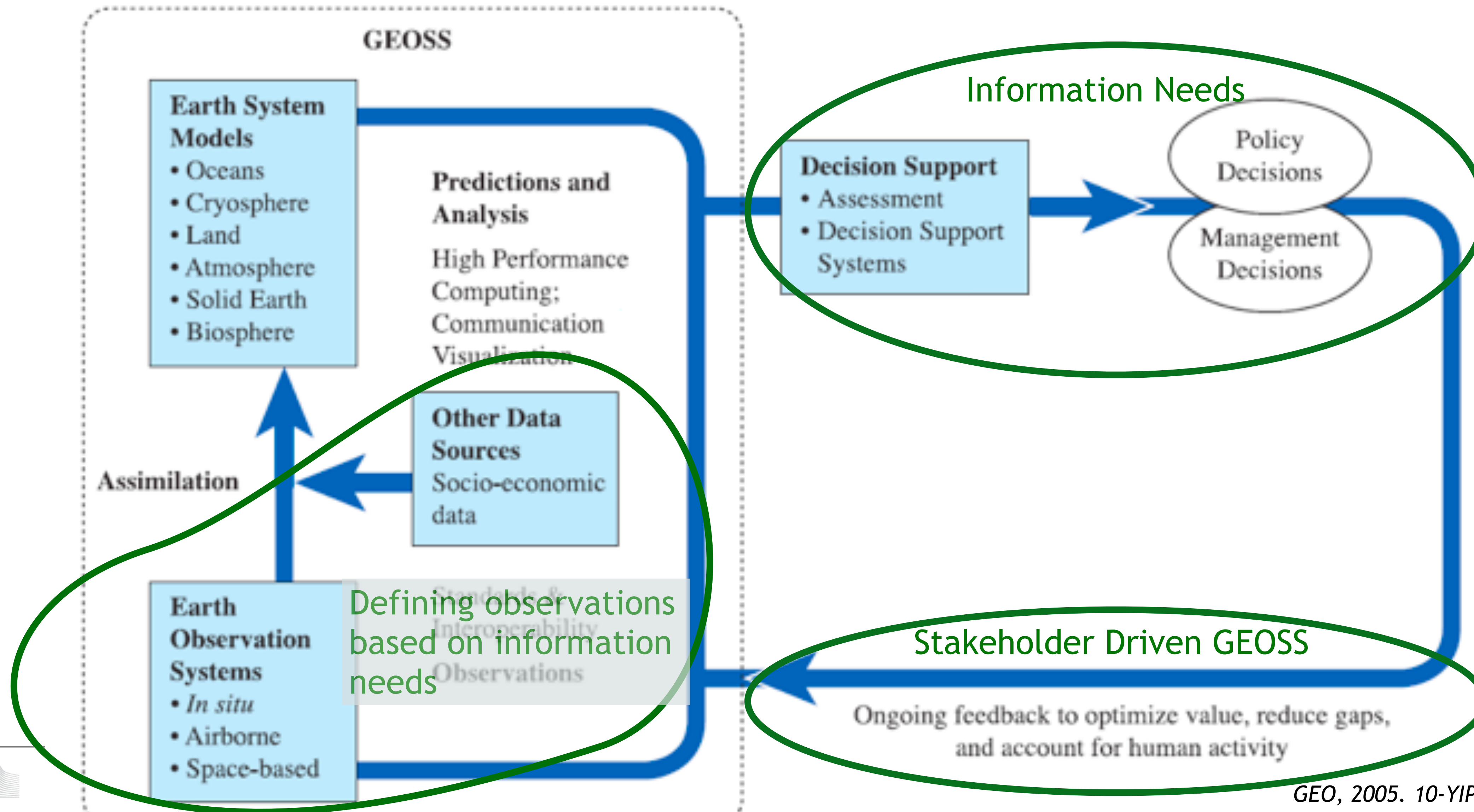
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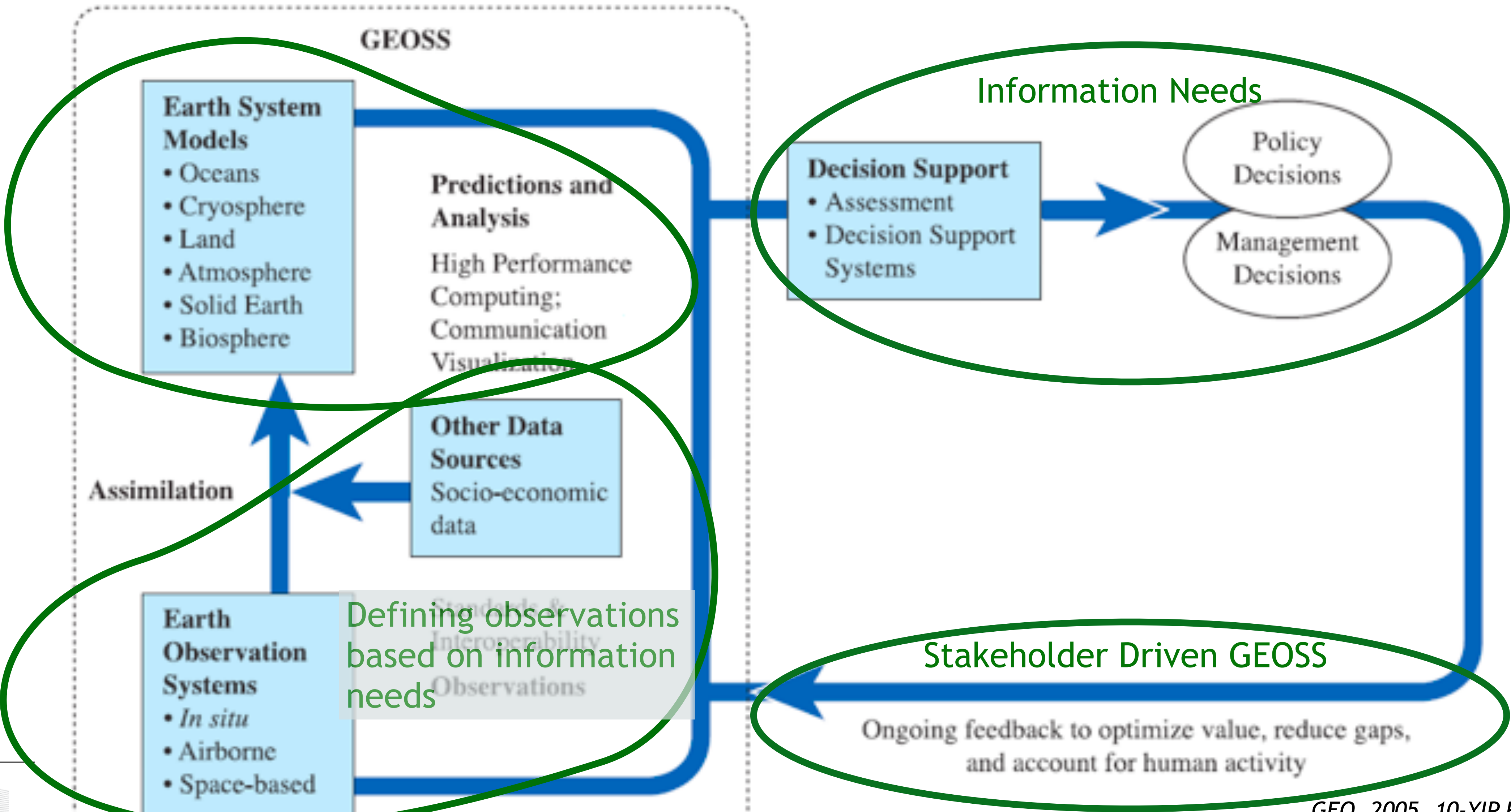


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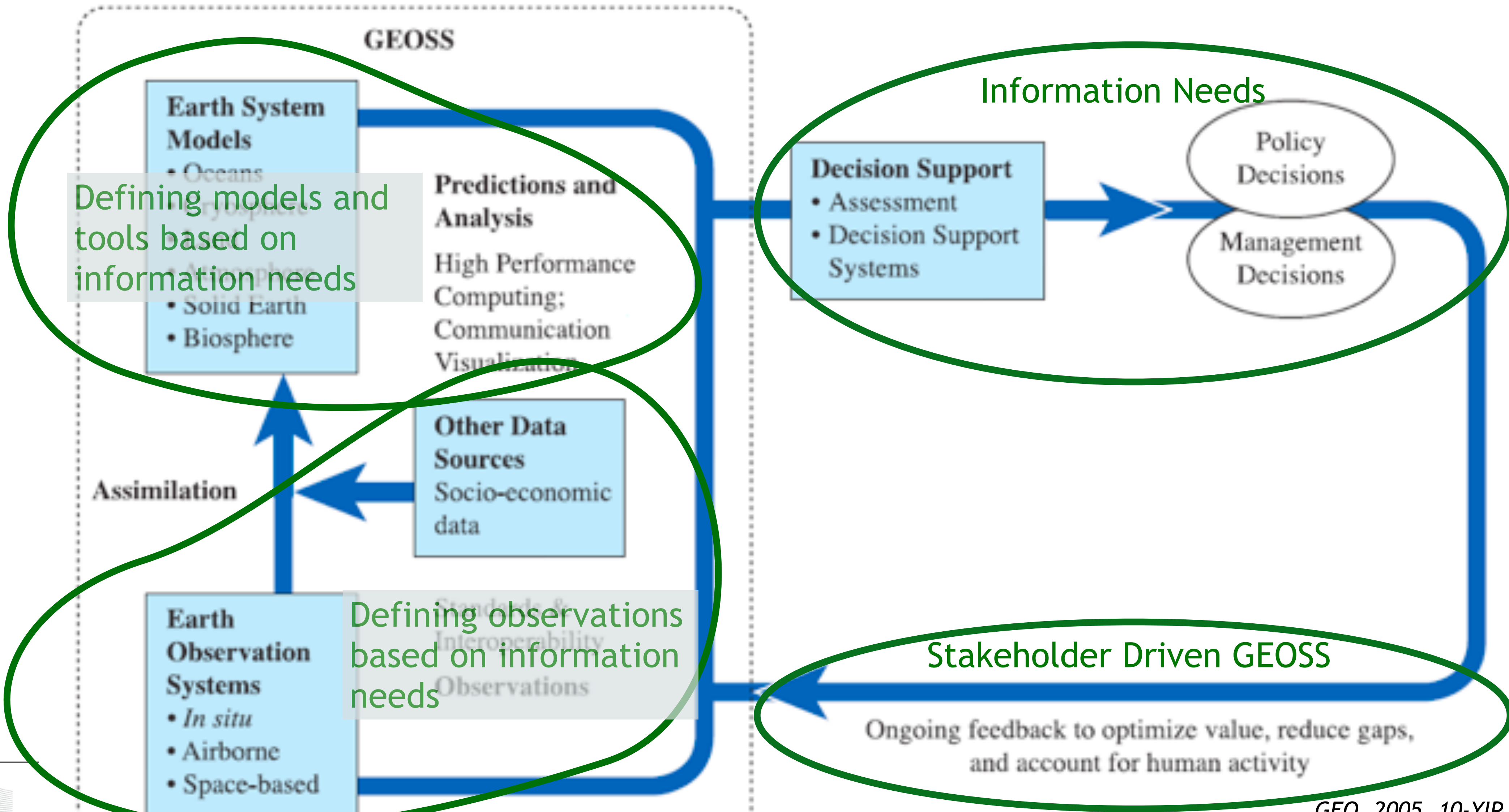




# Enabling Informed Decision Making



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# Gap Analysis

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## **GEO Science and Technology Committee (2011):**

***Geographic:*** Observation systems or data set has good coverage in one geographic region or country but not in others

***Observational:*** Observation technologies or systems are not available or have not been sufficiently developed for key analyses or issues of global importance.

***Structural:*** Structural gaps are internal to GEOSS eg. Missing tasks required to meet our targets. Tasks or products not meeting expectations from other components of GEOSS (this may be common when analysis is done across SBAs).

***Qualitative/quantitative:*** Product exists but at insufficient timeliness, frequency or quality for use in key products or utility for other GEOSS components

***Capacity:*** Products are available but there is insufficient technical capacity or capability to make use of such products.

# Gap Analysis: Types of Gaps for ConnectinGEO

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## **Observation (O) Gap:**

An observation (with required specifications) of an (essential) variable missing that is required to by an indicator in a relevant metric or an application generating the information needed by a user.

# Gap Analysis: Methodology

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Ministerial Guidance in January 2014: Five Priority Activities for GEO:  
(4) *“Develop a comprehensive interdisciplinary knowledge base defining and documenting observations needed for all disciplines and facilitate availability and accessibility of these observations to user communities.”*

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*Preliminary denoted as:*

Socio-Economic and Environmental Information Needs Knowledge Base  
SEE IN KB





# Task 6.1

# ConnectingGEO

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WP 6

ConnectingGEO



Kick-Off Meeting, February 18, 2015, Barcelona, Spain

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- *D6.1: ConnectinGEO Methodology*
- *MS6: Methodology defined*

Task 6.2: Gap Analysis

Task 6.3: Priorities Determination



# Task 6.2

# ConnectingGEO



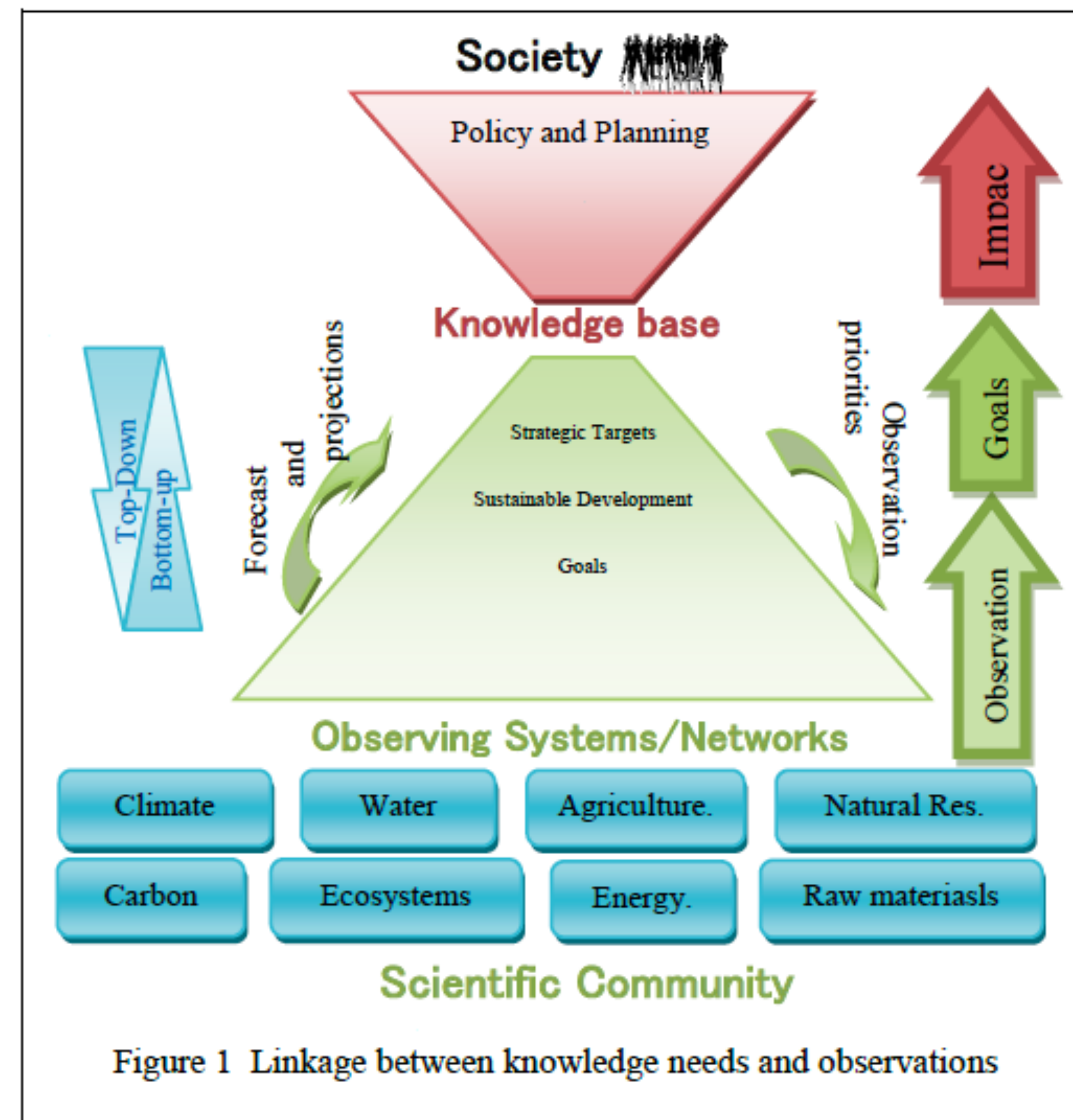
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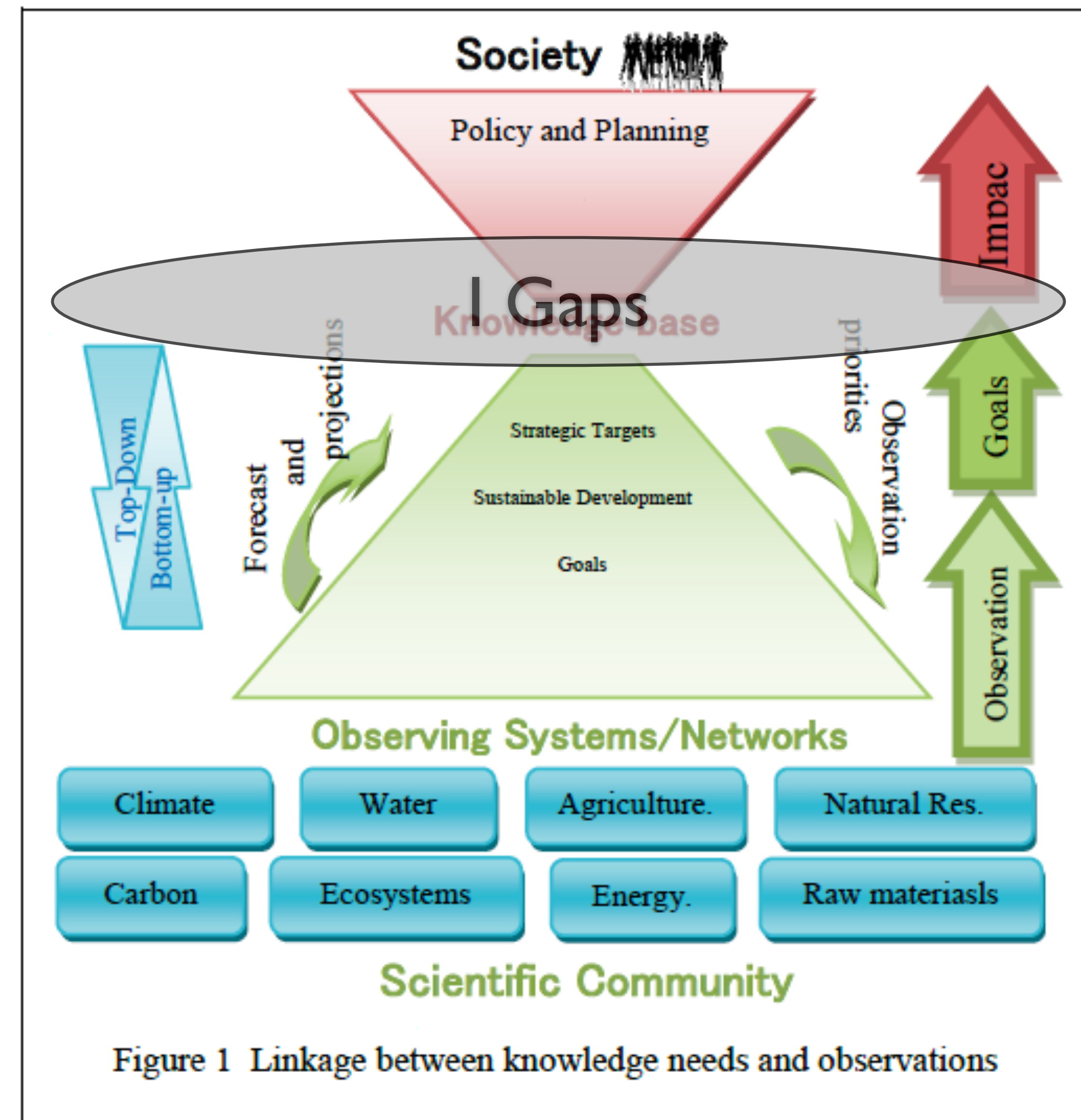
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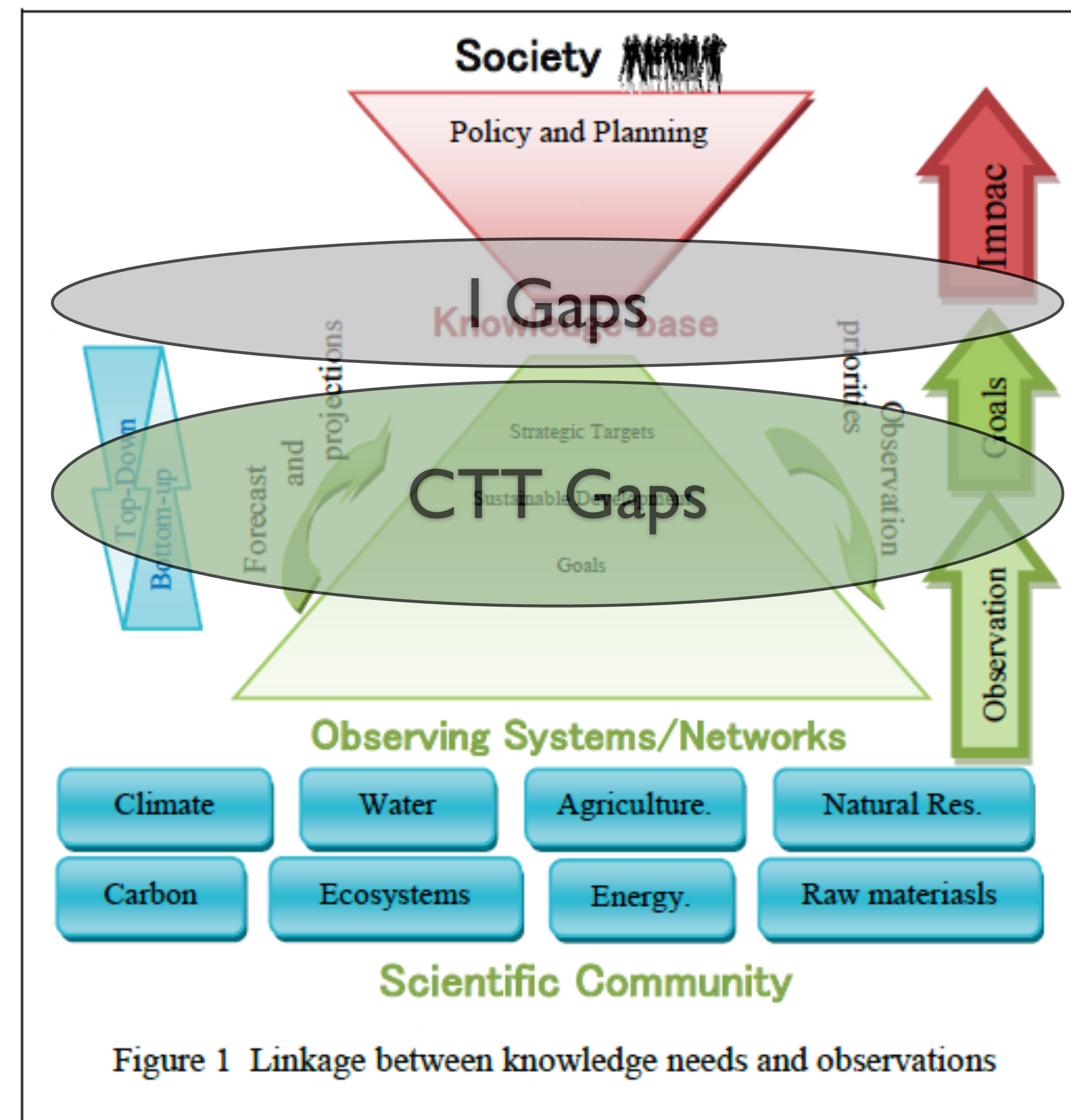
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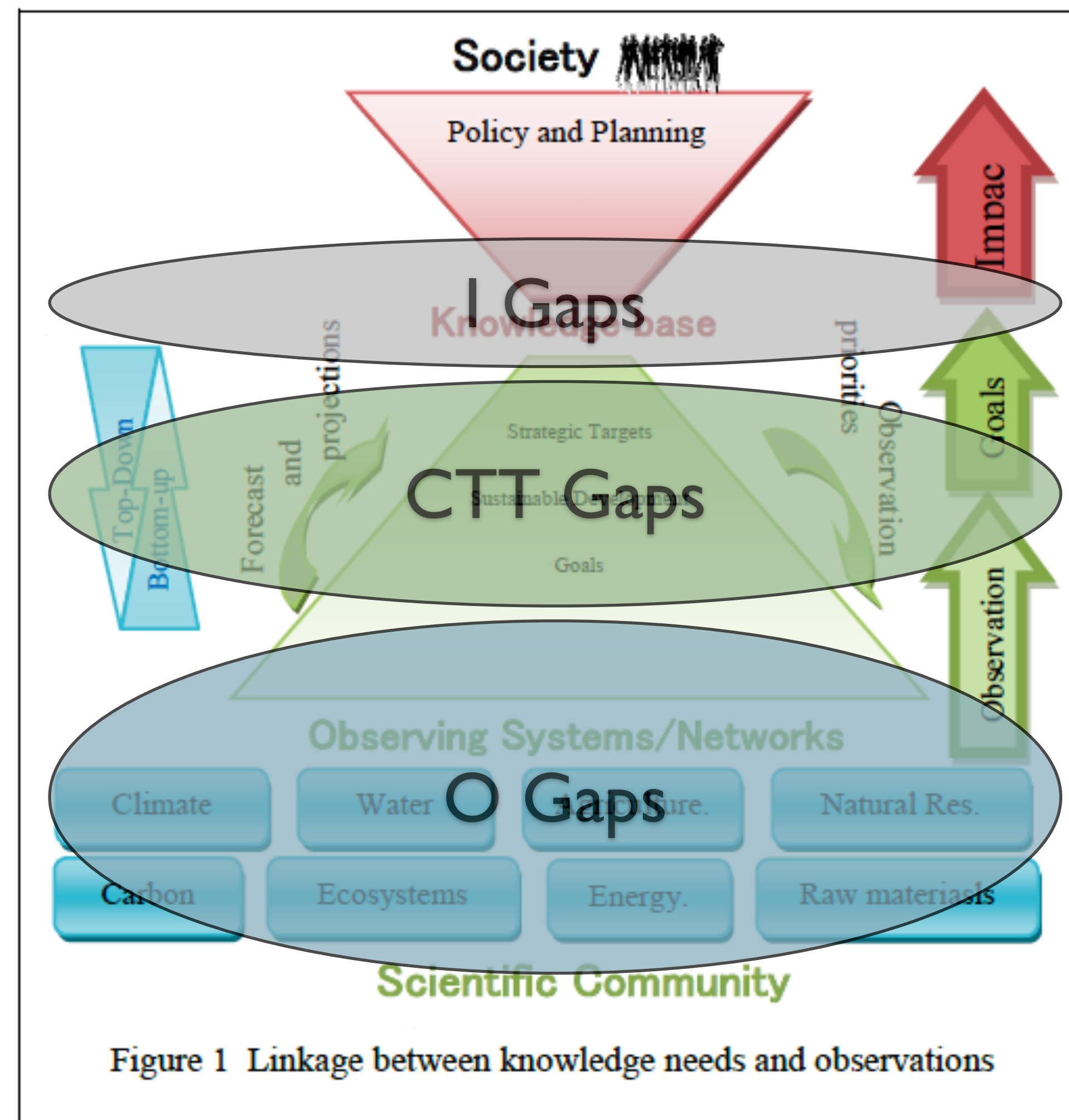
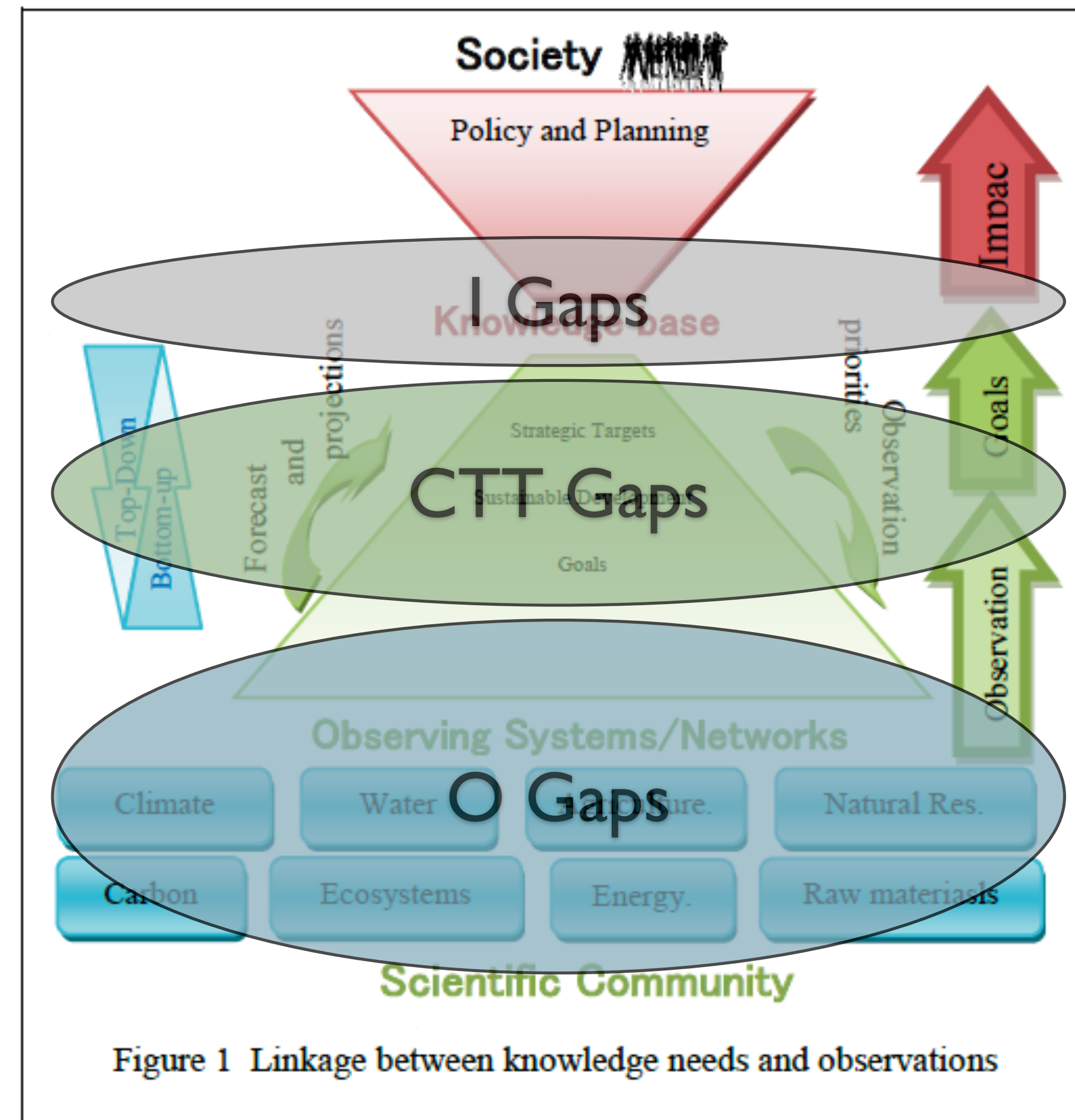


Figure 1 Linkage between knowledge needs and observations

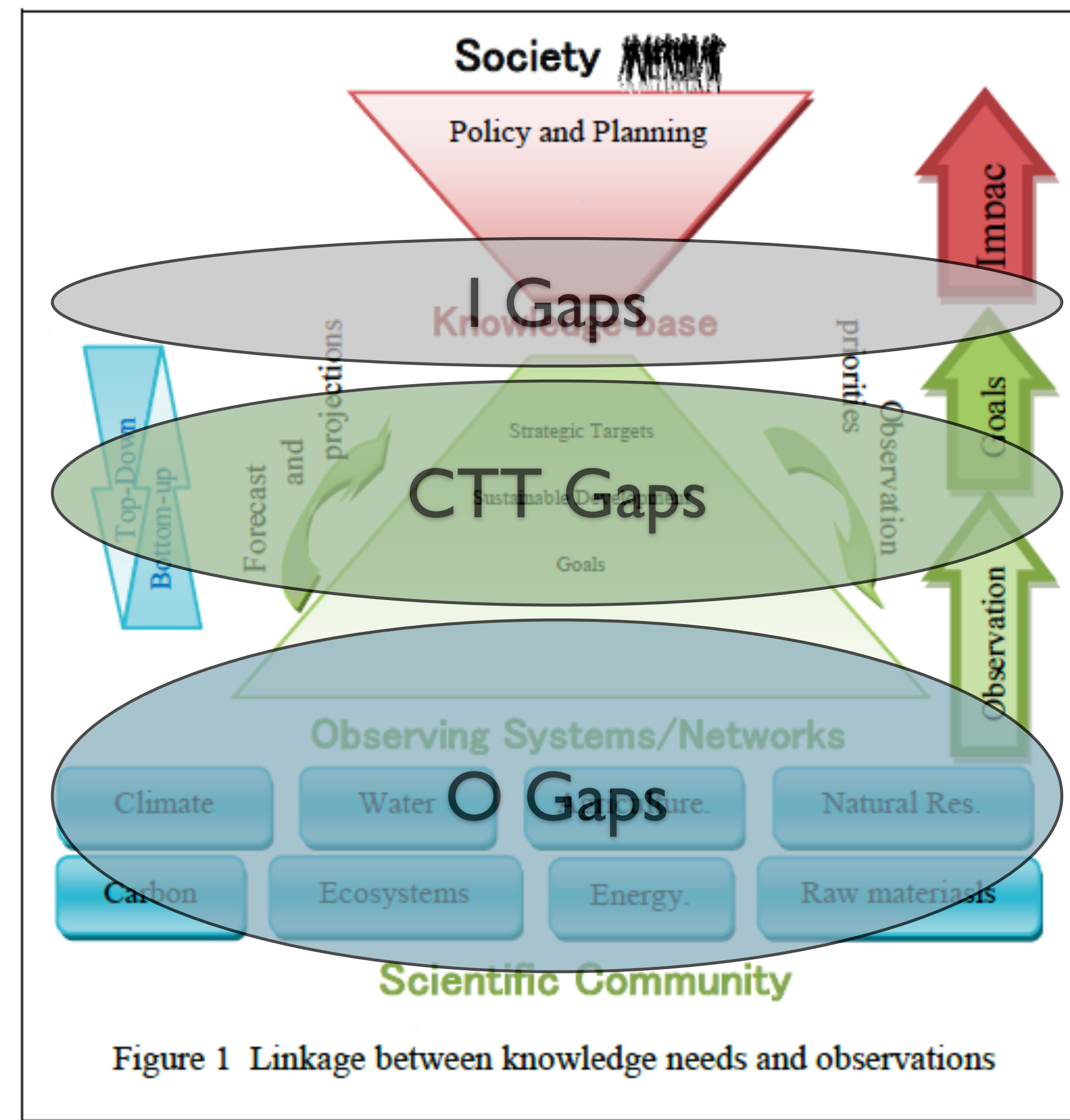
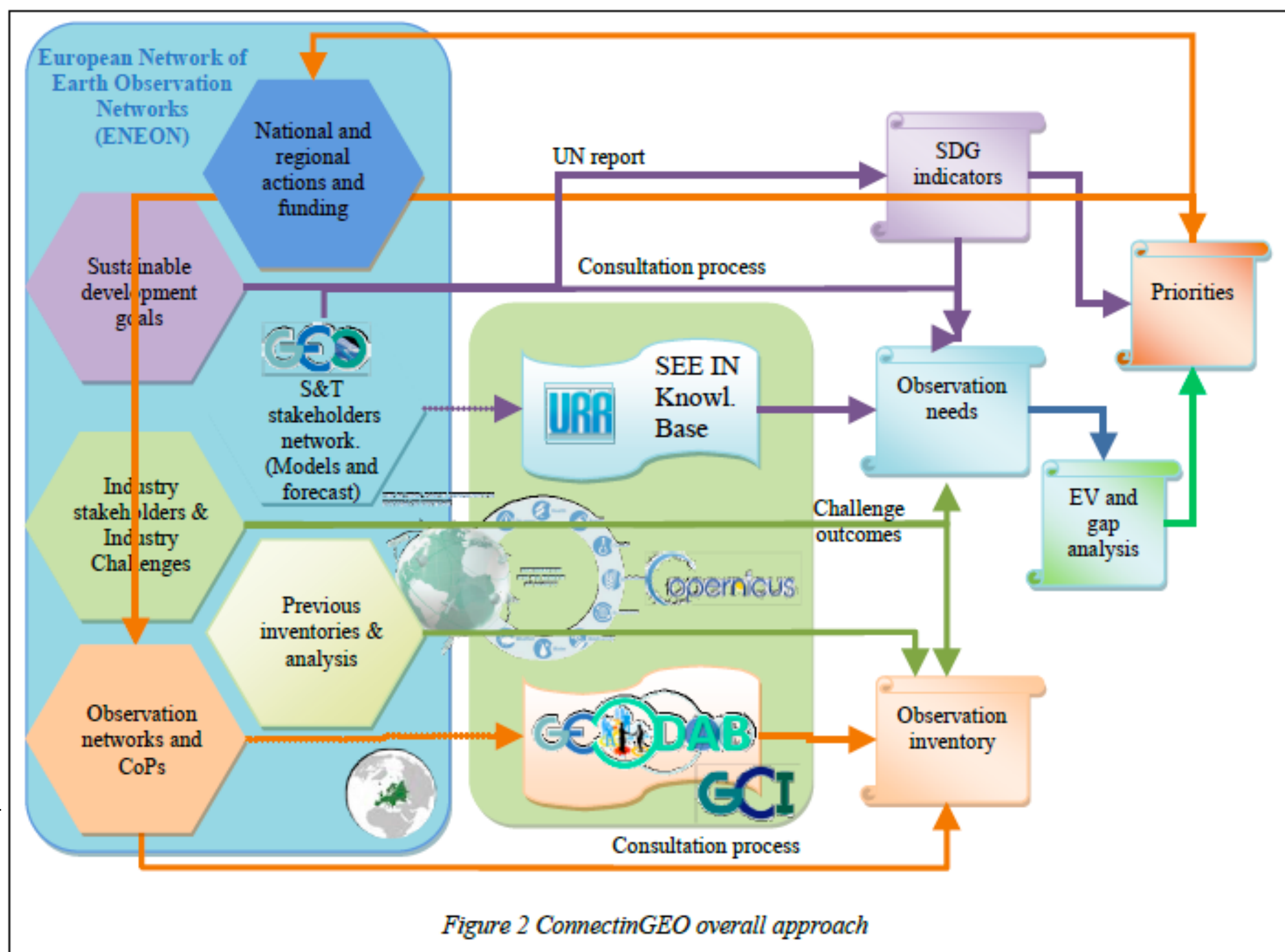
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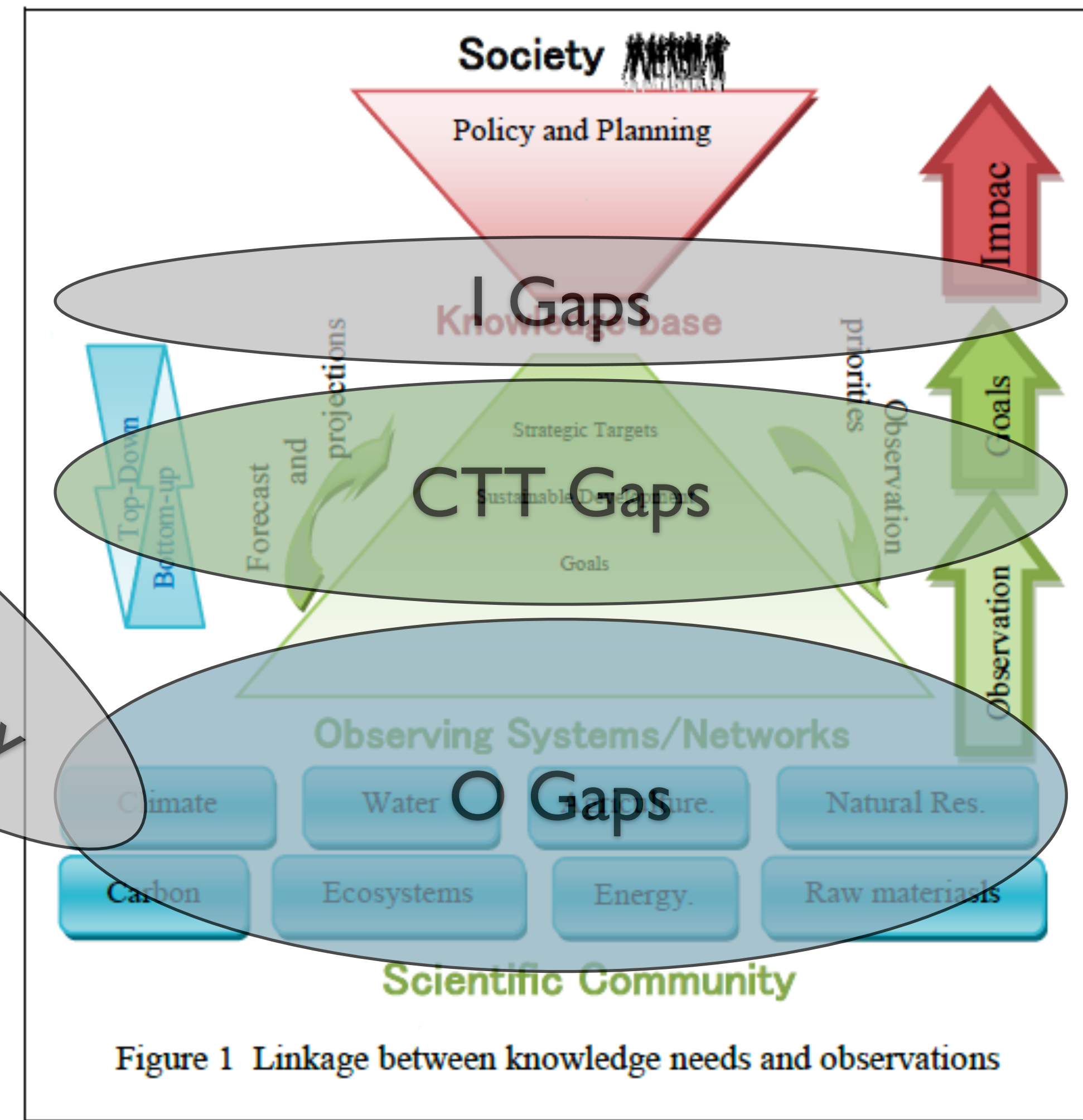
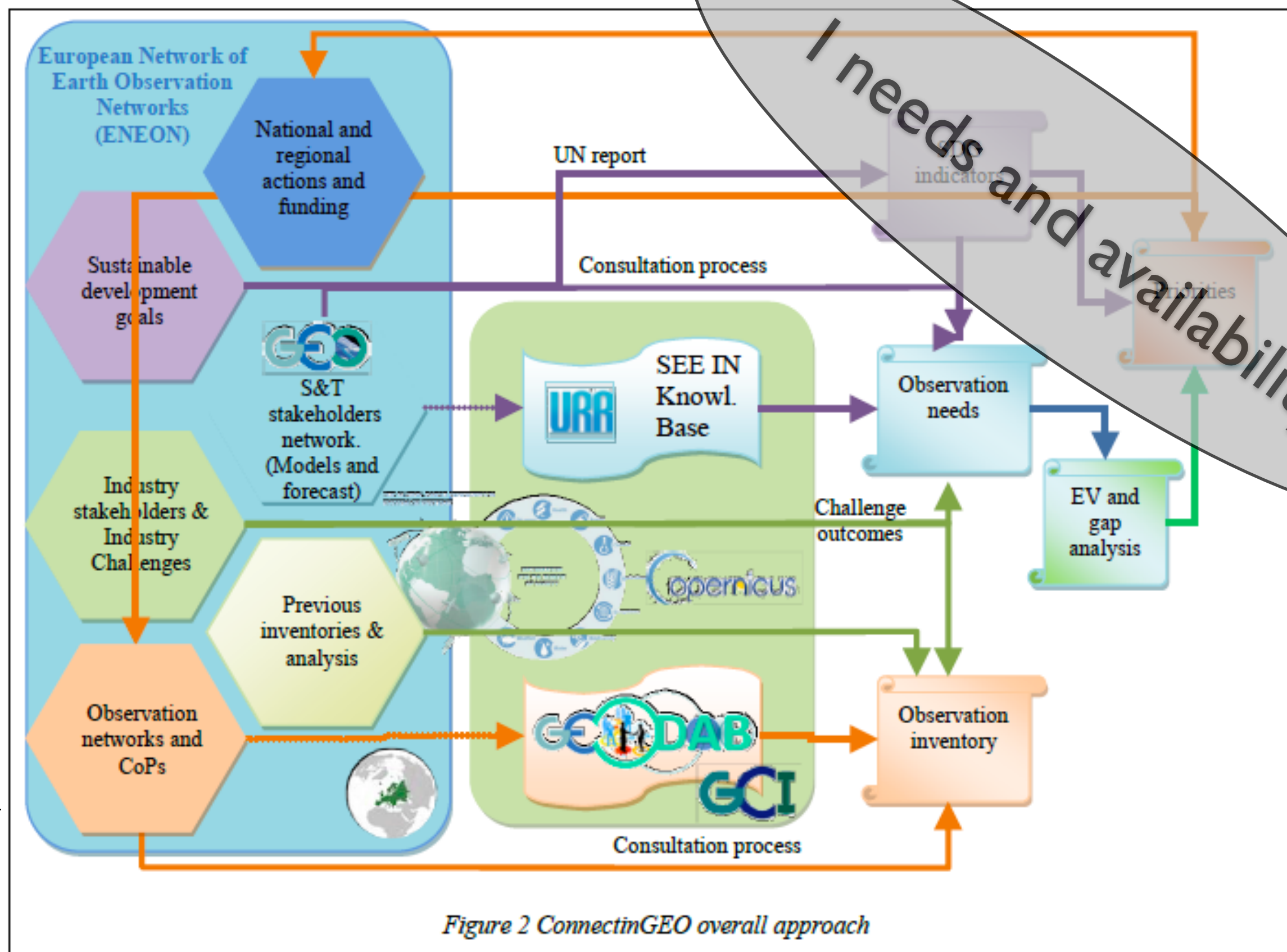
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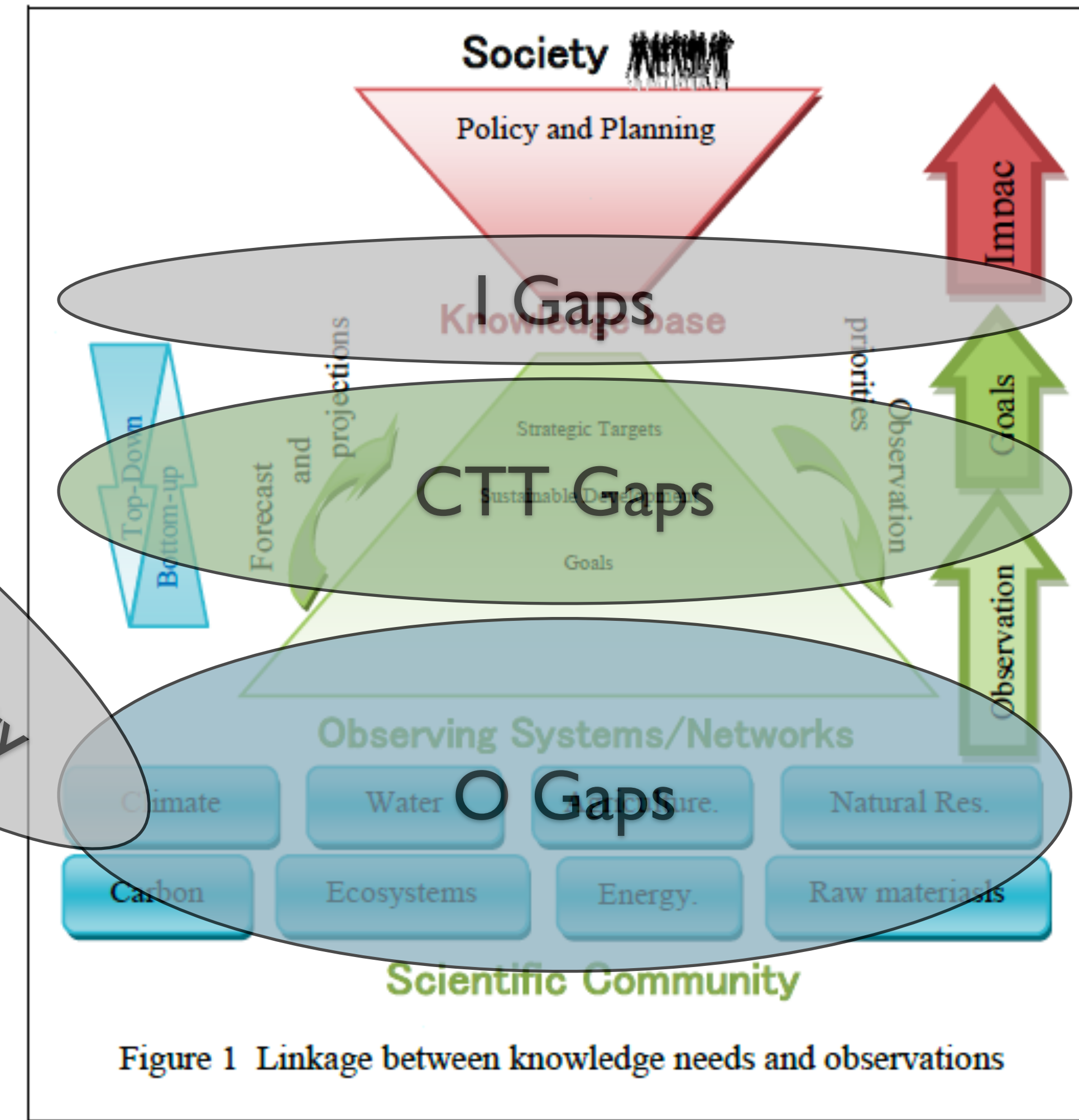
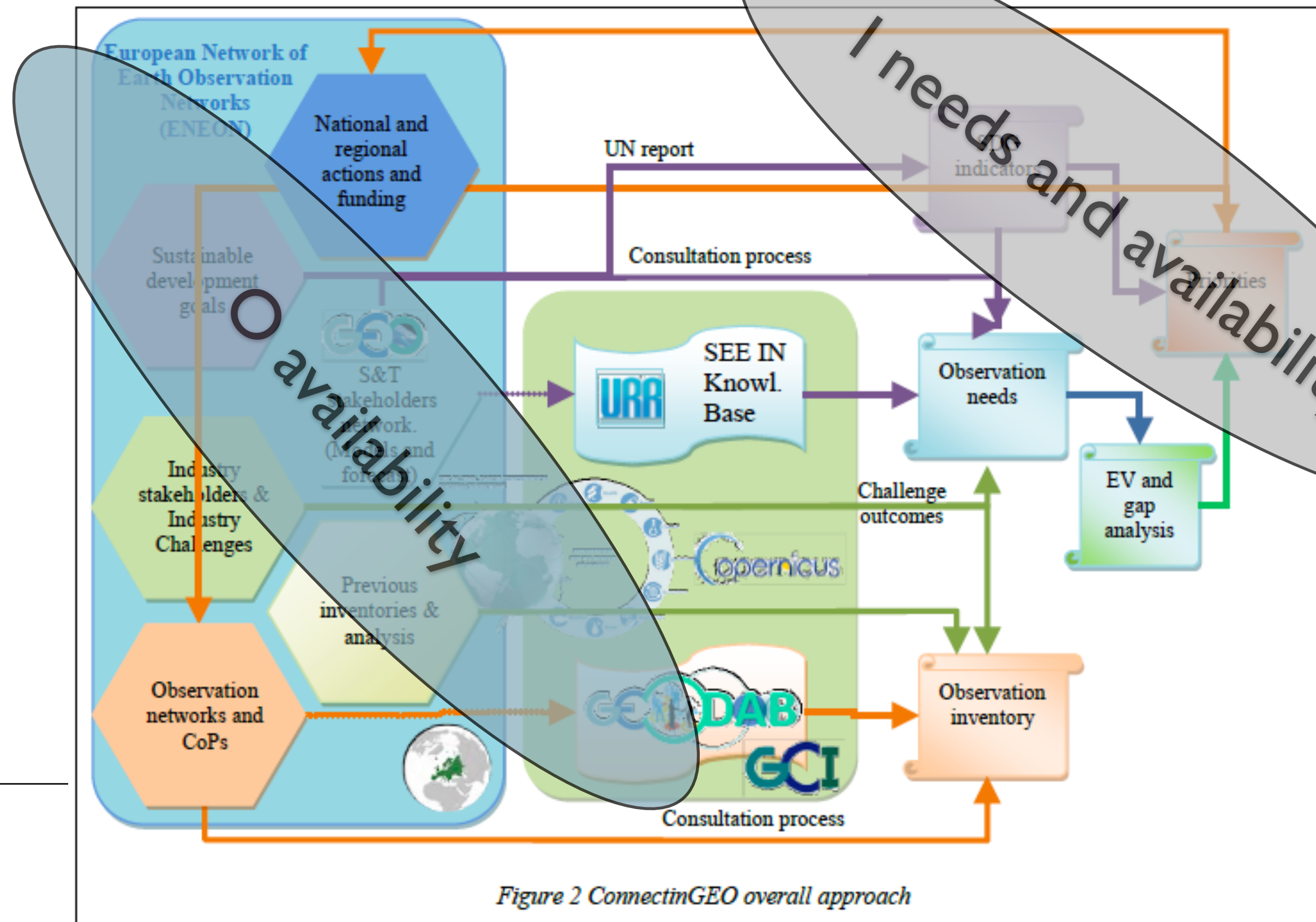
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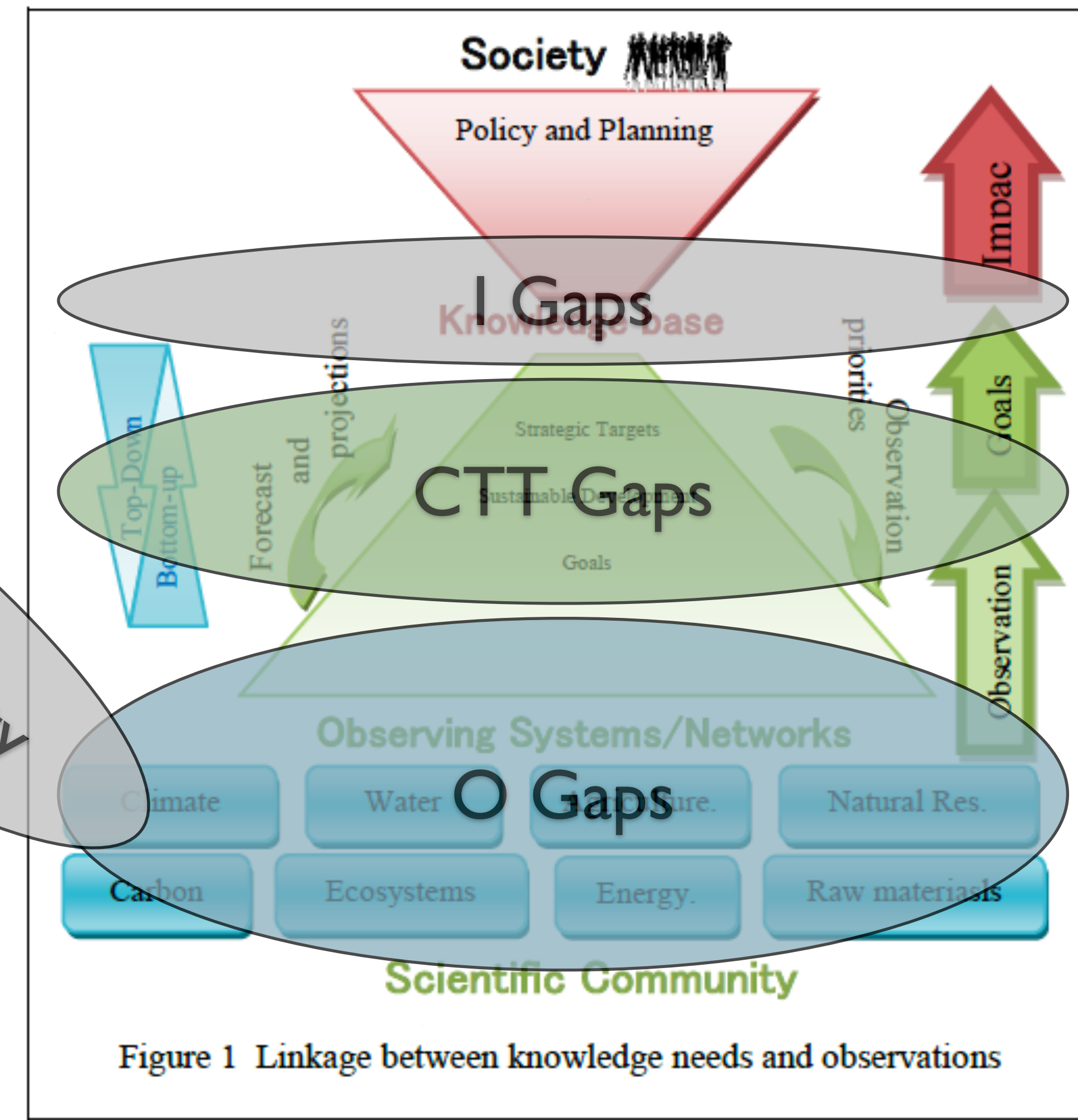
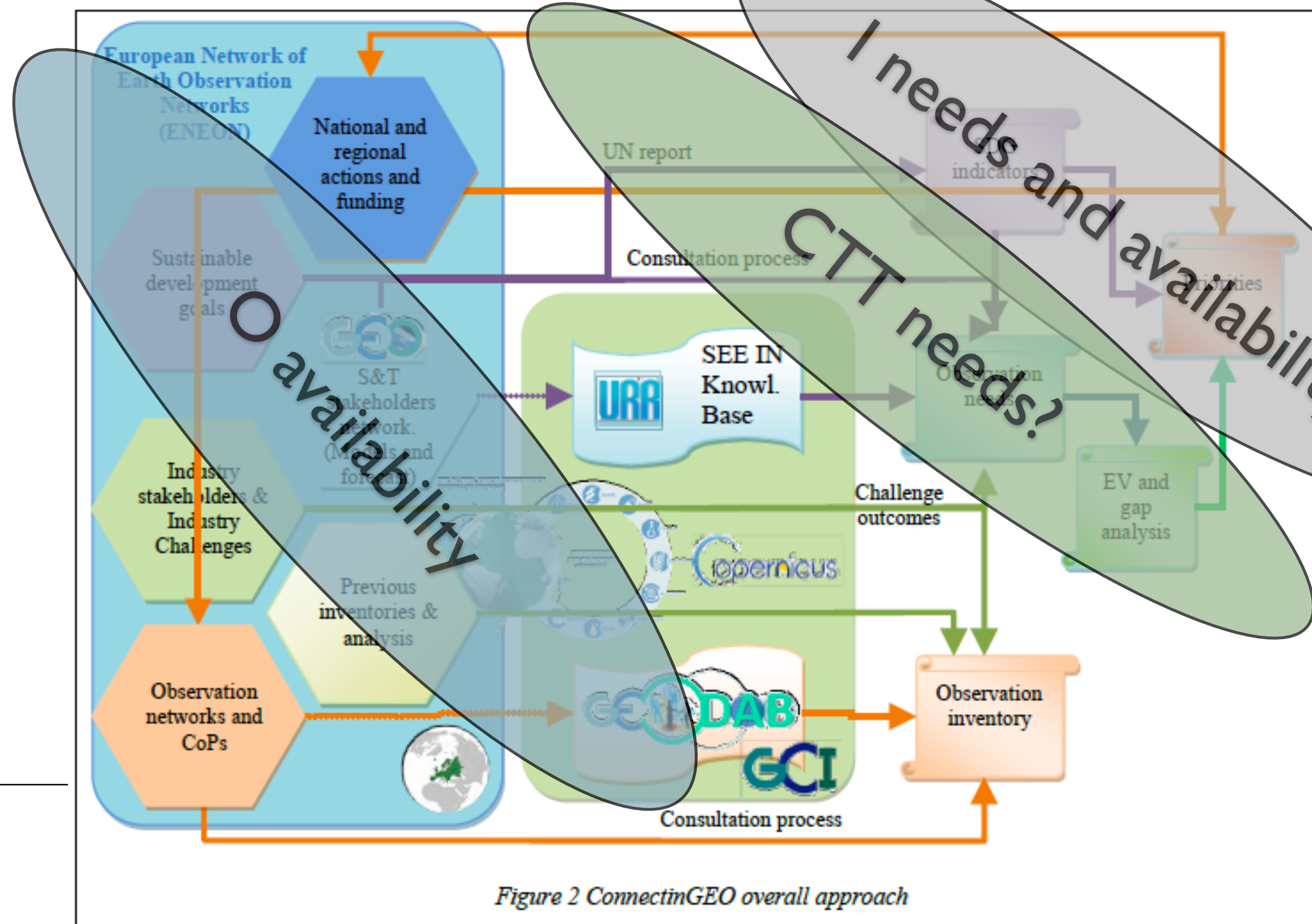
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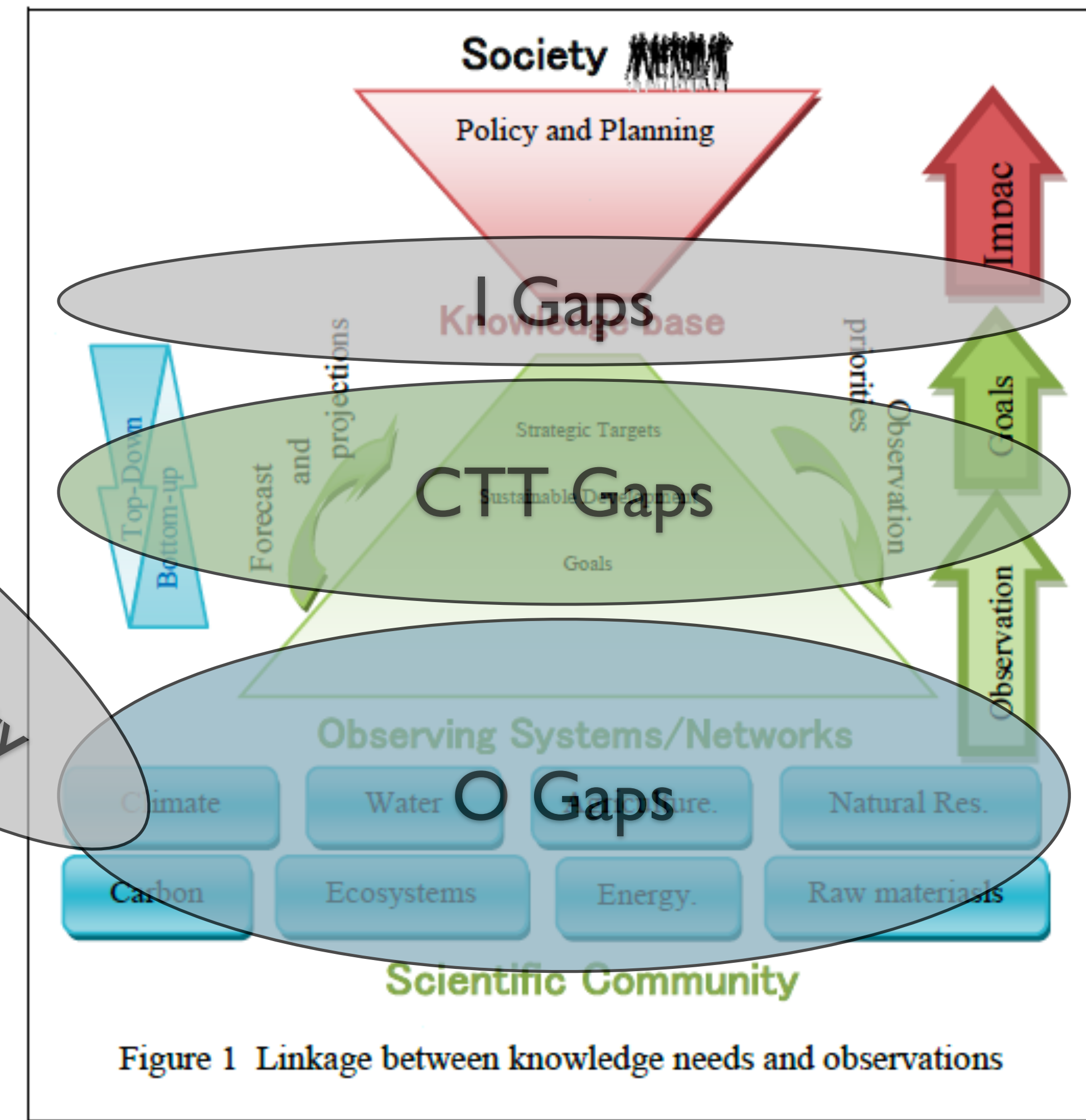
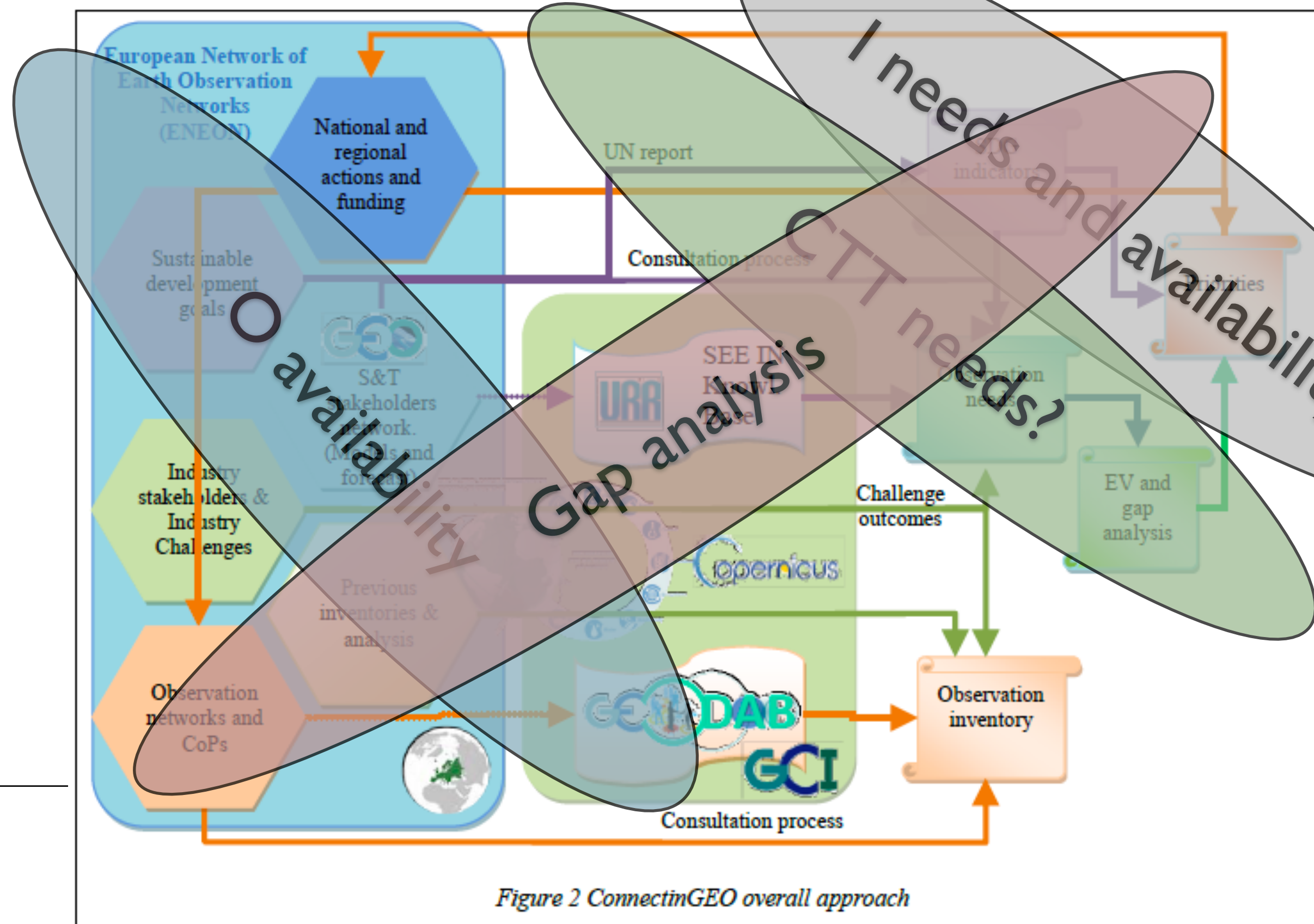
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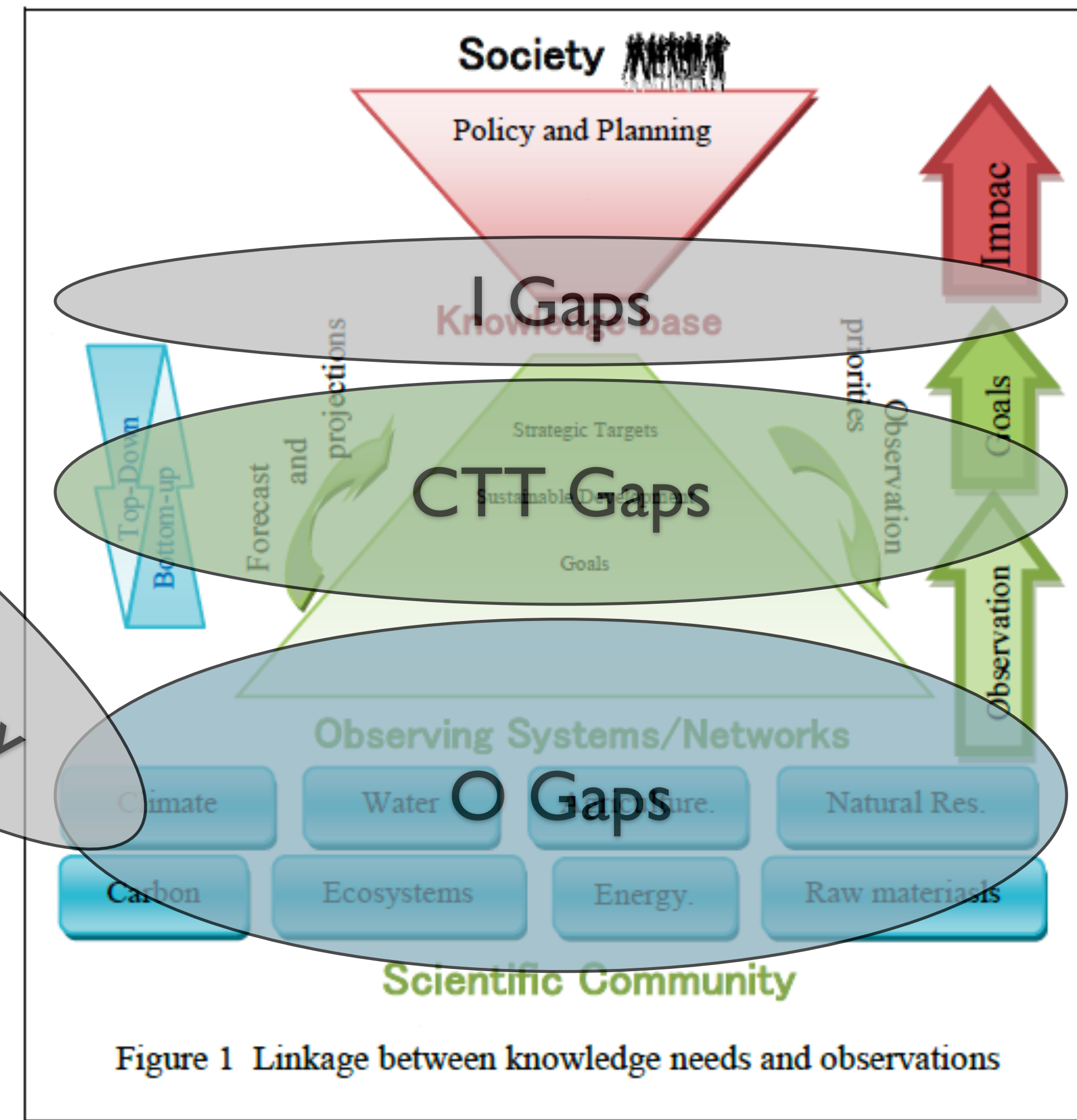
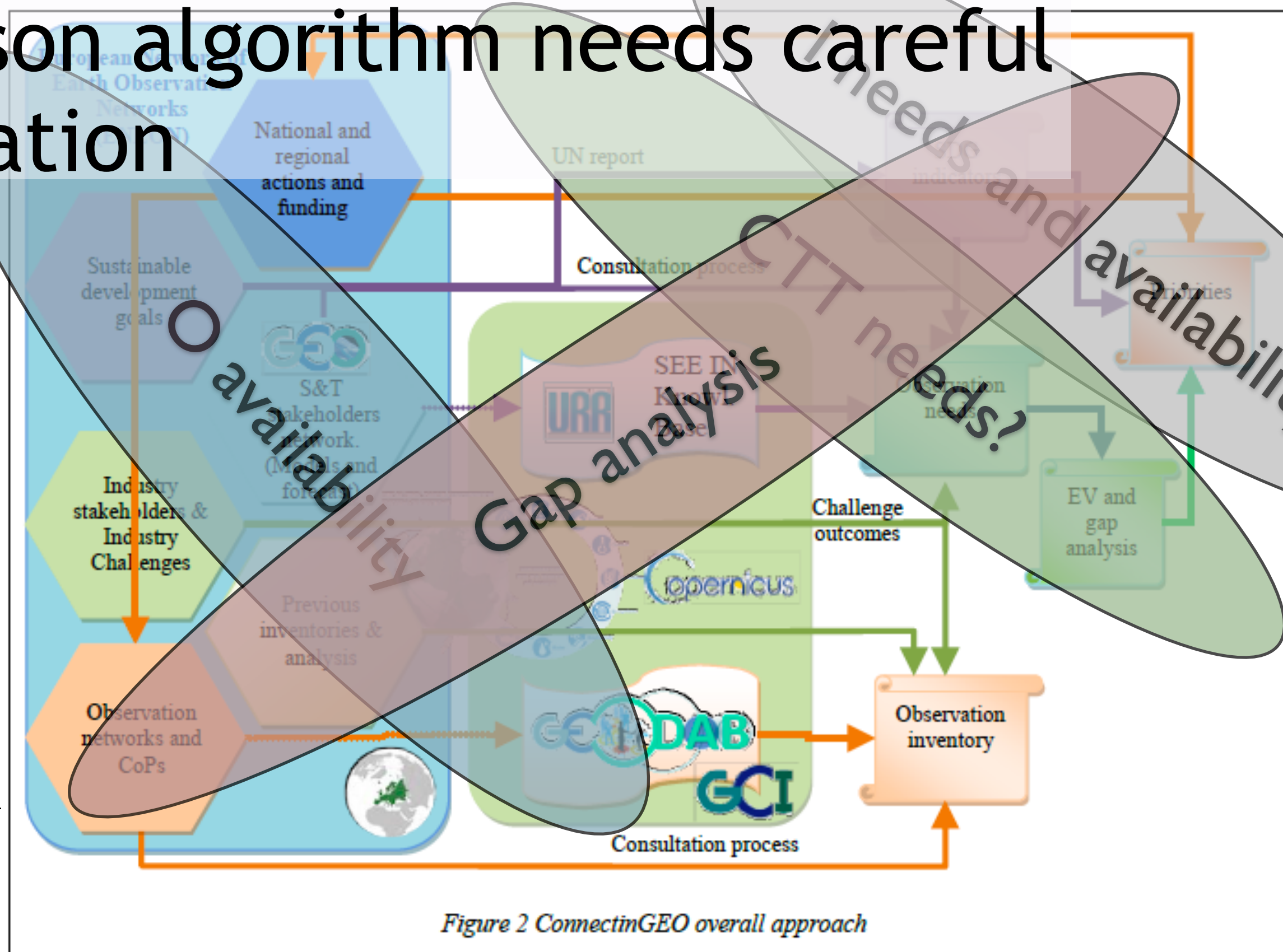
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- Comparison algorithm needs careful consideration



# Gap Analysis: Methodology

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## Algorithm/rules development:

- focused gap analysis (geographical areas, time period, gap types, sub-space of user needs, ...)
- different gap types and gap classes; integrated gap topology



WP 6

ConnectingGEO



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#### Task 6.2: Gap Analysis

- *D6.2 Gap analysis draft report*
- *MS20: Gap analysis first loop completed*
- *MS23: Collocated GA workshop*
- *MS26: Gap analysis final loop completed*

#### Task 6.3: Priorities Determination



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- Needs to be improved



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#### Task 6.3: Priorities Determination

- *D6.3: Gap analysis final report including prioritization*
- *MS21: Priorities 1st loop completed*
- *MS30: Priorities final loop completed*



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Monitoring of work progress on a WP web page with private and public parts (Tiwah)  
Frequent Task and WP telecons once work has started (Tiwah for WP, Task leads for Tasks)

