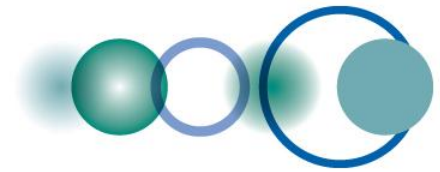




# Catalyzing Research & Development Funding for GEOSS - Task ST-09-01

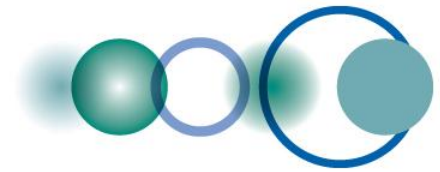
*Stuart Marsh, UK/BGS*  
*Kathy Fontaine, US/NASA*  
*Bente Lilja Bye, Norway/BLB*





## Task Objective

- Encourage national governments and international organizations to address GEOSS Science & Technology needs in their R&D programmes, through:
  - **Identification of potential resource providers (in the public and private sector)**
  - **Identification of needs (continuities, gaps, resources, etc.)**
  - **Bringing those two elements together in a forum, for sharing information**



## Task Info

The structure of the Task is:

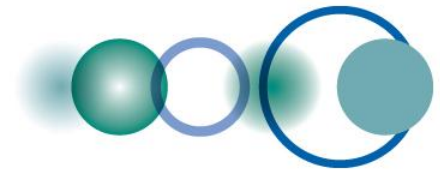
Output 1 Identified set of key S&T programmes

Output 2 Identified set of key private Companies

Output 3 Report on S&T gaps, priorities & continuity needs – **the focus of this presentation**

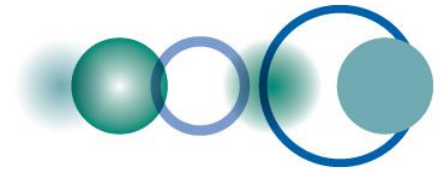
Output 4 Effective forum/network of funding agencies

**This is the focus of Breakout Session B3: GEOSS  
S&T needs: Developing a processes for matching  
research funding & research teams (Tuesday pm)**



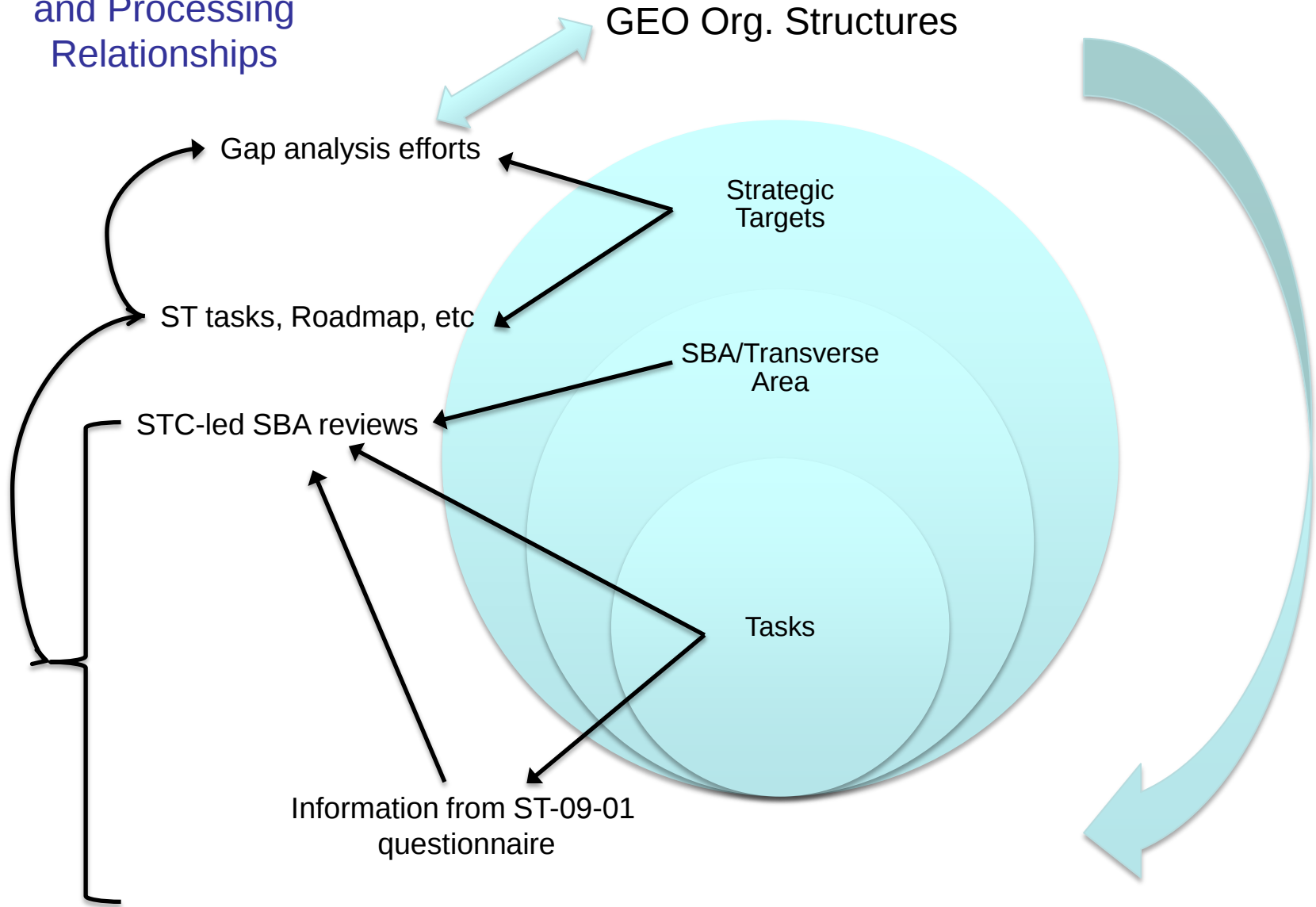
## Since September 2010

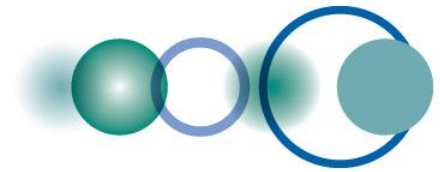
- EC Co-lead went vacant
- ESA withdrew as task co-lead
- Plenary and Ministerial drained resources
- EGIDA slowly ramped up
- EC Co-lead assigned to EGIDA; Stuart Marsh
- Task Team member confirmation
- Still no final decision on private sector relationship
- Task Team telecon March 29<sup>th</sup>
  - All objectives assigned to someone
    - Currently being reviewed for resources and schedule
- Task Team telecon May 3<sup>rd</sup>
  - Goal was to get a final schedule
- Next Team telecon May 31<sup>st</sup>



## Information-gathering and Processing Relationships

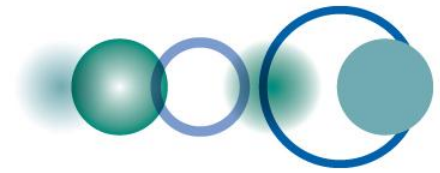
GEO Org. Structures





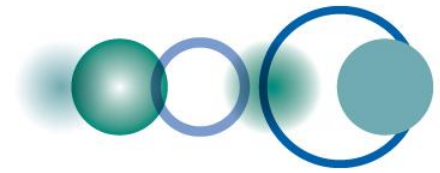
## Task-level Survey's Questions (80% Response)

1. What **scientific and/or technological components** and/or developments are being used to complete this task?
2. Do you have **sufficient expertise** to complete the task? If not, what is missing?
3. Do you have **sufficient resources** to complete this task? If not, what do you need? (Resources can be defined as funding, data, in-kind support, personnel, or any other element.)
4. Are there any **scientific or technology (or other) barriers or gaps** that you foresee that might prevent you from completing this task within the Work Plan time frame? Please describe the need.
5. What **continuity issues** (if any) have you identified that should be addressed? (these could be sensor, modeling, technology, observation, or other relevant topic)
6. Please describe any **science or technology (or other) priorities** that have arisen during the completion of this task.
7. Please describe any **other issues** of relevance to your task that you believe may be of interest to the STC.



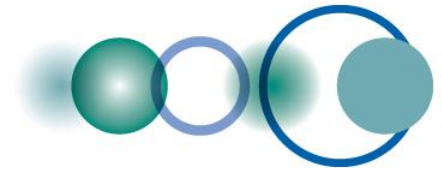
## Objectives behind survey

- Identify **common inputs, outputs or methodologies** across (sub)tasks
- Explore **complementarities** across (sub)tasks
- Identify options for **better connecting existing systems** (observing, modeling, info) and/or those system's **outputs** (data, products, info)
- Launch **practical actions** for fostering new and existing interactions
- Evaluate the extent to which existing products, tools, systems and services are already **registered in GEOSS Common Infrastructure**
- Identify **obstacles to registration** and options to overcome them
- Evaluate extent to **which data/information already shared** within GEO
- Identify **obstacles** to data-sharing and options to overcome them
- Strengthen connections with Committees and Communities of Practice
- Improve Overarching Task and sub-task **descriptions/contents**
- Suggest **mergers** of relevant sub-tasks to improve coordination and reduce duplication



## Future work

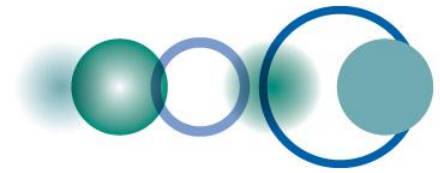
- Analysis requires experts – we need experts!
  - Each SBA
  - Each Transverse area
- Other inputs will be incorporated
  - US-09-01a reports
  - SBA analysis within STC
  - Other related studies (e.g., ESA study for IGFA)
- Continued (frequent) contact with STC to fine-tune the relationship with the S&T Roadmap



# **GEO Work Plan 2012-15**

## **Proposed New Task**

***ID-02 Catalyzing Resources  
for GEOSS Implementation***



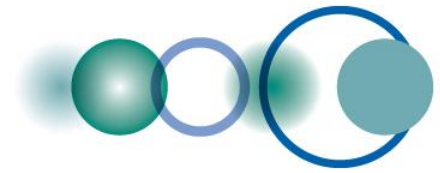
## ID-02 Version 0

# Catalyzing Resources for GEOSS Implementation

### *Definition*

Leverage resources for Earth observation capacity building efforts. Ensure the engagement and committed involvement of resource providers in the GEO capacity building process (**Capacity Building Strategic Target**).

Advocate funding of multinational projects to leverage the end-to-end value of observations including the establishment of necessary infrastructure (**GEOSS 10-Year Implementation Plan, p.13**).



## ***Deliverables / Objectives***

- 1. Resource mobilization for capacity building – individual, institutional and infrastructure (e.g. through the implementation of the Seville Roadmap, Call for Proposals)**
- 2. Resource mobilization for Research and Development (e.g. encourage national governments and international organizations to address GEOSS science and technology needs in their Research and Development programmes)**

## ***Resources Available for Implementation (current status and in planning)***

- Egida (EU's FP7)
- GeoNetGab (EU's FP7)

**Thank you!**

