



Group on Earth Observations

Task US-06-01

GEO Task US-06-01:

Establish a GEO process for identifying critical Earth observation priorities common to many GEOSS societal benefit areas, involving scientific and technical experts, taking account of socio-economic factors, and building on the results of existing systems' requirements development processes.



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Activities to Date

UIC Approach to US-06-01 (Bonn, Feb. Telecon, Geneva)

Nov.2006: UIC members form groups on each SBA (CP if it exists)

- Each group is an *ad hoc* "Process Development Group"

Nov'06-March'07: Each group developed a *possible process* for its respective SBA topic

April 2007 UIC Meeting: Each group presented their process

- UIC compared the processes for strengths/weaknesses
- LeDrew & Friedl identified as UIC leads for a new, combined process

April-July 2007:

- Developed a combined process: Requires Contractor & UIC support
- GEO solicited for a Contractor to support



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Activities To Come

UIC Approach to US-06-01 (Bonn, Feb. Telecon, Geneva)

April – July 2007:

- Developed a combined process: Requires Contractor & UIC support
- GEO solicited for a Contractor to support

August – Feb. 2008:

- Conduct the processes for each SBA topic
- UIC Co-chairs monitor progress, motivate, address issues, manage accountability

Early 2008: UIC to compare observation priorities across the SBAs

- Identify ones common to many SBAs topics
- Submit combined “critical Earth observation priorities” to GEO Secretariat



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General structure:

An “Advisory Group” and an “Analyst” work together to develop the priorities within each SBA.

Advisory Group (1 per SBA)

Functions:

- Will help to identify documents
- Comment on analytic methods and priority-setting criteria
- Review the analysts’ findings, priorities, and reports.

Approximately 6-10 people from developed and developing countries that represent experts in an SBA

The UIC Communities of Practice and IPTT members may constitute part of this group.

Analyst (1 or multiple across the SBAs)

Functions:

- Will read and analyze the documents
- Develop an analytic method and priority-setting criteria
- Conduct the meta-analysis to identify common priorities within a SBA.

The analyst will be the primary coordinator and organizer of the activity to meet the schedules and deadlines.

Will interact with and utilize the Advisory Group for each SBA



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UIC's Refined Process: Nine Steps

- The process lists the steps serially, yet some of them can be done in parallel.
- With some concurrent activities, this process spans at least 6-7 months.
- Analyst and Advisory Group for each SBA will develop a detailed schedule, milestones, etc.

Step 1: UIC Members identify Advisory Groups and Analysts for each SBA

Step 2: Determine scope of topics for the current priority-setting activity

Step 3: Identify existing documents regarding observation priorities for the SBA

Step 4: Develop analytic methods and priority-setting criteria

Step 5: Review and analyze documents for priority Earth observations needs

Step 6: Combine the information and develop a preliminary report on the priorities

Step 7: Gather feedback on the preliminary report

Step 8: Perform any additional analysis

Step 9: Complete the report on Earth observations for the SBA

This process should be viewed as a “meta-analysis” exercise.



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Since some GEO Members and Participating Organizations have already conducted activities to identify Earth observation needs, this process seeks to incorporate and build on those activities.

The process “harvests” observation needs expressed in existing documents. This process tries to avoid the duplication of efforts that GEO Members and Participating Organizations have or will perform as part of their responsibilities.

This process should be viewed as a meta-analysis exercise.

The GEO 10-year Implementation Plan provides a description and summary of topics within each SBA – the IPTT identified some initial observation priorities for each SBA. This process incorporates those IPTT priorities.

Advisory Groups may decide to focus efforts a subset of issues within an SBA



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Team Members for Initial SBA Process

Agriculture	Joerg Reichling, Michael Brady, Fan Jinlong, Ranganath Navalgund, Hakan Olsson
Biodiversity	No one from UIC expressed interest
Climate	Gregorio Parrilla, Sarah Goodchild, Manfred Kloeppel, C.K. Shum
Disasters	Gonéri Le Cozannet, Hans-Peter Plag, David Stevens, Joerg Reichling, Michael Brady, Stuart Salter, Lerato Senoko, Maria Dalla Costa, Lixin Wu, C.K. Shum
Ecosystem	No one from UIC expressed interest
Energy	Thierry Ranchin, Rich Eckman, Ellsworth LeDrew, Jay Pearlman, Marion Schroedter-Homscheidt, Lixin Wu, Lionel Menard
Health	Brendan Kelly, John Lyon, Stan Morain, Gary Foley, Alice Lee
Water	Alice Lee, Trisha Bergmann, Lawrence Friedl, Darasri Dowreang, Gary Foley, Stuart Salter, Navalgund Ranganath, Stefan Knabe
Weather	Sarah Goodchild, Manfred Kloeppel



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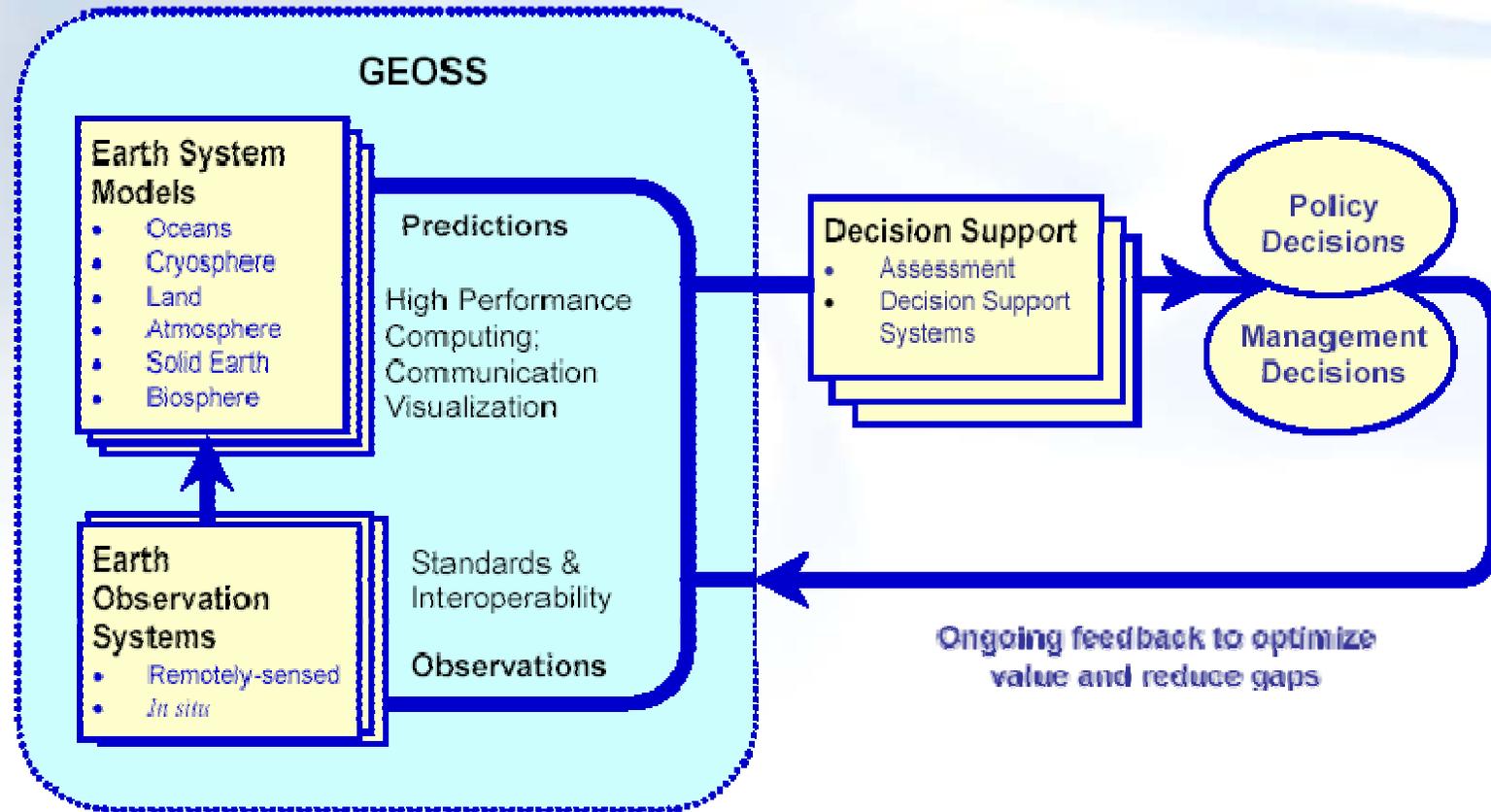
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	UIC Contact	Analyst	Advisory Group
Agriculture -- Forests	TBD Brady	Contractor Contractor	TBD Forest COP + others
Biodiversity	Muchoney	Contractor	TBD
Climate	TBD	Contractor	TBD
Disasters	TBD	Contractor	TBD
Ecosystem	TBD	Contractor	TBD
Energy	LeDrew	Name	Energy COP + others
Health	Foley	EPA to provide	TBD
Water	Friedl / Lawford	S. Unninayar	Water COP + other
Weather	TBD	Contractor	TBD



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Task US-06-01: Getting Involved

What UIC Members Can Assist With:

Minimum: UIC Members to be an SBA Point of Contact;
UIC Members to help identify SBA Advisory Grp

Better: UIC Members to serve on an SBA Advisory
Group

Best: UIC Members to lead an SBA meta-analysis
*Identify an analyst, organize an Advisory Group,
motivate the analyst & advisory group, etc.*



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Task US-06-01: Getting Involved

What Break-out Sessions Can Assist With:

- Minimum:
1. Ideas for candidates for the Advisory Group
 - CP members, IPTT, UIC, reps. from developed and developing countries, etc.
 2. Identify subset of issues (if any) for US0601 analysis

- Best:
- Lists of Advisory Group members and analyst(s)
 - Assigned actions to select analyst & convene Advisory Grp
 - Assigned actions to identify reports and documents
 - Schedule to meet again (telecon)



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Comments?
Please send them to:

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