



# **Call for Proposals (CFP): *Earth Observations in Decision Support***

**Joint Effort of GEO Capacity Building Committee  
and User Interface Committee**

**CFP Management Team:**

**Lawrence Friedl (UIC)**

**Imraan Saloojee (GEO Sec.)**

**Masami Onoda (GEO Sec.)**

**Fernando Ramos (GEO Sec.)**

**Jinlong Fan (GEO Sec.)**

***Status Report at UIC 13<sup>th</sup> Meeting  
Washington, DC USA • 16-November-2009***



**GROUP ON  
EARTH OBSERVATIONS**



# Group on Earth Observations

## *CFP for Decision Support Projects*

### Overview

CFP seeks proposals for projects to apply Earth observations to improve policy decisions and management decisions.

CFP seeks to identify and enable practical applications of Earth obs.

Strong focus on Developing Countries and supporting end-users

Showcase the value and benefits of Earth obs. and GEOSS through successful applications examples.

### Topics & GEO Tasks

Focus on 4 SBAs:

- Agriculture (*including Forests*)
- Energy
- Health (*including Air Quality*)
- Water

CFP supports GEO Tasks:

- CB-09-01 (Mobilising Resources)
- US-09-01b (Communities of Practice)



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## *CFP for Decision Support Projects*

### Call for Proposals – Main Stages

#### **Stage 1: Concept Proposals – Development & Review**

Teams prepare brief proposals (approx. 5 pages). UIC/CBC form expert panels to review proposals. UIC/CBC recommend which projects for Full Proposals.

#### **Stage 2: Full Proposals – Development & Review**

Teams prepare Full Proposals. UIC/CBC re-form expert panels to review proposals. UIC/CBC recommend which projects to select & ways to support the selected projects.

#### **Stage 3: Project Initiation**

UIC/CBC work with project teams to start projects, including introductions to resource-providing organizations. GEO will conduct a kick-off meeting & training sessions.

#### **Stage 4: Project Reviews & Development**

GEO will review projects periodically to assess progress. Hold workshops/trainings if needed.

#### **Stage 5: Project Demonstrations and Applications Showcases**

Project teams will conduct demonstrations and announce project results. GEO will organize “Applications Showcases” to highlight the projects and demonstrate societal benefits.



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## *CFP for Decision Support Projects*

### Current Status

- GEO received 136 submissions in June 2009
  - 110 Type I & II Proposals
  - 3 Advisors proposals
  - 19 Type III Proposals
  - 4 erroneous proposals
- Notices to Type I & II Concept Proposal teams
  - Initial notice: *Accept, Accept with Concerns, Decline*
  - Detailed comments followed
  - Included as many proposals as possible (declined only 3)

CFP Website:

[http://www.earthobservations.org/geoss\\_call\\_dsp.shtml](http://www.earthobservations.org/geoss_call_dsp.shtml)



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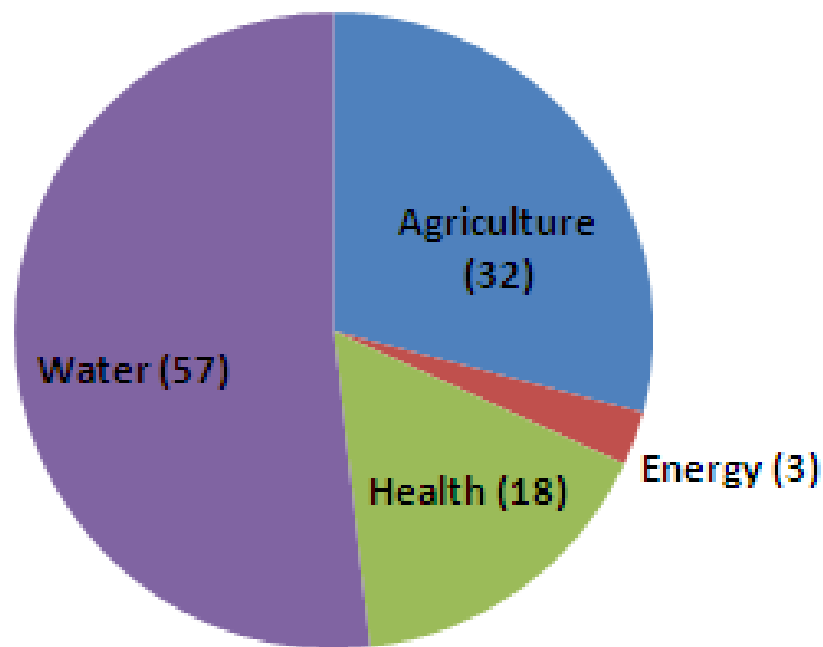
## CFP for Decision Support Projects

### Type I & II Proposals (by SBA)

Agriculture	32
Energy	3
Health	18
<u>Water</u>	<u>57</u>
Total:	110

Majority were Type II

### Number of Type I/II Concept Proposals





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## *CFP for Decision Support Projects*

### CFP Concept Proposals

Excellent set of proposals

Strong response

~35 of 80 GEO Countries as target or project leads

- 18 countries that are not current GEO members

CoPs reviewing proposal titles to assess their support & adoption

Strong UIC response to August's emergency request for reviewers

Several had difficulty articulating the specific decision-making need

- need to address users and application

Many recycled research proposals

Several “global” decision-support

- while may be needed, it didn't match the call for targeted projects to achieve specific examples

Many “technology push” proposals

- did not specify how to engage users and enable applications once the technology is deployed



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## *CFP for Decision Support Projects*

### Important Items to Remember

1. Proposal teams can submit directly to Full Proposal
  - A Concept Proposal was preferred yet is not mandatory
2. GEO will attempt to arrange funding for the selected projects
  - This approach is consistent with CB-09-01
3. Advisors Proposals are accepted at any time
  - June deadline did not apply to Advisors Proposals
  - Desire to received Advisor Proposals by Full Proposal deadline
4. Need for more reviewers for Final Proposals
  - Special request for reviewers from European region



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## *CFP for Decision Support Projects*

### Additional Request

1. Contacts & Brokering.

CBC/UIC request contacts for people in Resource Providing Orgs.

Request support to broker relationships between projects and Earth obs. experts; brokering with potential resource/funding organizations

2. Adoption.

Organizations & CoPs can adopt projects and nurture them.

Organizations & CoPs can work directly with a proposal team to develop a project that aligns with their objectives and funding criteria

3. In-Kind and *Pro Bono* Funding.

Organizations can contribute by supporting Project Advisors (e.g., travel costs and salary for small portion of employees time)



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### **CFP Topics to Address – CFP Management Team**

1. Revised Dates
2. Completion of Proposal Review Summaries
  - need to re-assess some of the Type III proposals
3. Letter to all project teams with general guidance
  - general trends observed
  - general suggestions for project teams to focus on for Full Proposal
4. Review Leads/Teams for Full Proposal (Stage II)



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## *CFP for Decision Support Projects*

### **CFP Topics to Address – Near Term Issues**

#### 1. Review Leads/Teams for Full Proposal

- Original plan was to have a Lead for each SBA
- UIC/CBC could only provide on Lead (Energy)
- CFP Management Team revised review process to accommodate smaller number of reviewers for Concept Proposals
- SBA Lead and larger team of reviewers needed for Full Proposals
- Have some reviewers already lined-up

#### 2. Staffing of CFP

- Marta Angoloti in another job (no longer with CBC or GEO)
- Imraan Saloojee will complete his secondment in January
- Lawrence Friedl has been promoted (temporarily??)



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## *CFP for Decision Support Projects*

### General Request

1. Distribute & circulate the CFP to GEO organizations and interested parties for their broader distribution (*especially for energy projects*)
2. Propose and/or participate in projects
  - Encourage submission or participation in Type I projects with developing countries
  - Encourage submission of Type II & III projects
3. Encourage people to be project Advisors
  - Submit a Advisor nomination/proposal (*CFP Section 4.4*)
4. Encourage experts to be reviewers for Full Proposal review panels
  - Great way to learn how people/users want to apply Earth obs.
  - Nominate potential reviewers to *CFPreview@geosec.org*



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*CFP for Decision Support Projects*

## **Committee**

## **Discussion and Decisions**



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## *CFP for Decision Support Projects*

### Points of Contact

**GEO Secretariat:**  
**Imraan Saloojee**  
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**Fernando Ramos**  
*FRamos@geosec.org*

**GEO User Interface Committee:**  
**Lawrence Friedl (NASA-USA)**  
*LFriedl@nasa.gov*

**GEO Capacity Building Committee:**  
**TBD**



### **EARTH OBSERVATIONS IN DECISION SUPPORT PROJECTS**

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#### **CALL FOR PROPOSALS**

**CFP Released: 13-February-2009**

**Concept Proposals Due: 4-June-2009**

**Final Proposals Due: 10-November-2009**

**\* Subject to change \***



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*CFP for Decision Support Projects*

Back-up Materials



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## *CFP for Decision Support Projects*

### Call for Proposals – Topic Areas

#### Agriculture

Examples of topics:

Crop production

Forests

Aquaculture and fishery statistics

Food security & drought  
projections

Nutrient balances

Extent and severity of land  
degradation and desertification

Poverty and food monitoring

Irrigation

#### Energy

Examples of topics:

Renewable energy projects  
(solar siting, wind projects, hydro-  
power, biofuels, etc.)

Environmentally responsible and  
equitable energy management

Matching energy supply & demand

Reduction of risks to energy  
infrastructure

Inventories of greenhouse gases  
and pollutants



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### Call for Proposals – Topic Areas

#### Health

Examples of topics:

Air Quality

Airborne, marine, and water pollution

Ozone depletion

Persistent organic pollutants

Nutrition

Infectious diseases

Disease vectors, especially related to weather, climate, and environmental factors.

#### Water

Examples of topics:

Water resource management

Reservoir management

Water quality

Water quantity, use, and allocation

Flood & flow forecasting

Irrigation

Drought management

Precipitation, soil moisture, lake and reservoir levels, streamflow, snow cover, glaciers and ice, evaporation and transpiration, groundwater, etc.



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**After receiving the proposals,  
GEO will broker connections to match Type 1 Projects with Advisors**

### Type I Project

Project A

Needs support from an expert in Earth observations data for agriculture

### Project Advisors

Expert 1 in Earth observations data in water

Expert 2 in Project Management

Expert 3 in Decision Support

Expert 4 in Training/Capacity Building

Expert 5 in Earth observations for agriculture

Expert 6 in Earth observations for health





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## *CFP for Decision Support Projects*

**After receiving the proposals,  
GEO will broker connections to match Type 1 Projects with Advisors**

### Type I Project

### Project Advisors

Project B

Needs support from one expert in Project Management, one expert in training, and one expert in applying Earth observations for water

Expert 1 in Earth observations data in water

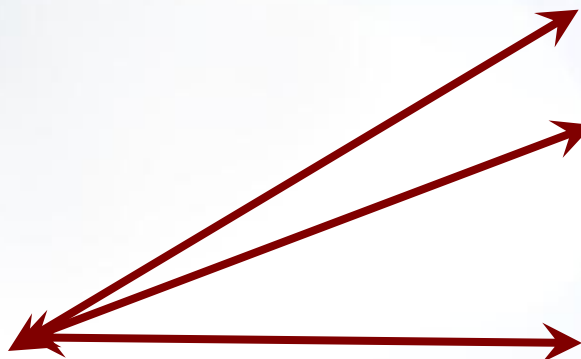
Expert 2 in Project Management

Expert 3 in Decision Support

Expert 4 in Training/Capacity Building

Expert 5 in Earth observations for agriculture

Expert 6 in Earth observations for health





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## *CFP for Decision Support Projects*

### Call for Proposals – Funding

**GEO will not directly provide funding for projects identified through this CFP.**

GEO is not in a position to directly offer funding for projects.

GEO CBC/UIC will attempt to mobilise resources for identified projects by engaging relevant resource-providing organizations.

GEO's connections and familiarity with multiple resource-providing organizations provides a network for potential project funding.

The specific organizations GEO will approach depends on the topics of the proposed projects.



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## *CFP for Decision Support Projects*

### **Call for Proposals – Benefits**

Aside from funding, GEO offers users with opportunities to connect with appropriate, knowledgeable people that can support Earth obs.

#### Applications

- People within GEO
- Advisors that identify themselves
- Communities of Practice
- Data distribution centers & GEO Portal
- Advisors to guide projects and improve capacity building

Applications Showcases: GEO will provide opportunities for projects to demonstrate their success & the benefits of Earth observations.

- Peer recognition
- Chances for projects to make connections & develop projects more
- Showcases may include press materials, videos, exhibit space, etc.<sup>20</sup>



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## *CFP for Decision Support Projects*

### **Call for Proposals – Overall Benefits & Opportunities**

CFP supports GEO efforts to broker partnerships amongst project teams, sponsors, end users, and Earth observation experts. Supports CBC & UIC efforts to assist GEOSS development.

- International GEO leadership in capacity building
- Increased ability, interest, and capacity in the use of Earth obs. and GEOSS
- Sustained uses of Earth observations by end users in their decision-making activities to benefit their countries or communities
- Increased user involvement with GEOSS, including use of GEOSS, information on user needs, and feedback for GEOSS development
- Future suite of examples for GEO on uses of Earth observations and GEOSS in decision making to serve societal benefits
- Specific examples of projects that only happened because of GEO
- Achievements & announcements for GEO Plenary & Summits