



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

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

***Status Report at CBC 12<sup>th</sup> Meeting  
Pretoria, South Africa • 20 May 2010***



**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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### 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:**

#### **CFP Coordination Team in place**

**WA: Kathy Fontaine (UIC) & Doug Cripe (GEO Sec)**

**AG: Andiswa Mlisa (CBC) & Jinlong Fan (GEO Sec)**

**HE: Ana Casals (CBC) & Masami Onoda (GEO Sec)**

**EN: Thierry Ranchin (UIC) & Fernando Ramos (GEO Sec)**

#### **04 Review Panels (almost) ready**

#### **New Timeline:**

**15 May => Full Proposals submission**

**15 Sept => Announce Results**



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### **Current Status:**

**60 proposals received**

**29 % Agriculture, 48% Water  
21% Health, 2% Energy**

**Type I (45%), New Applications Projects (organizations with limited or no experience)**

**Type II (46%), Applications Improvements (organizations that have some experience)**

**Type III (9%), Applications Examples (org. that have successfully applied Earth observations)**



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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



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### 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 Observation 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>10</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