

# Report of the GGOS Working Group on GEO relations

2008/01-2009/03

Hans-Peter Plag

And the WG Members

## Charter of the GGOSWG on GEO Relations

The Working Group on Geo Relations promotes the work of GGOS and IAG in the Group on Earth Observations (GEO) and supports GGOS in its goal to provide the geodetic infrastructure necessary for monitoring the Earth system and for global change research. The WG fosters the contribution of GGOS to the Global Earth Observation System of Systems (GEOSS).

In order to promote GGOS and IAG in GEO, the WG Members aim to ensure adequate representation of GGOS and IAG in all GEO Committees and the relevant Teams of GEO Work Plan Tasks by acting as delegates to the Committees, by contributing to Task Teams, by linking IAG and GGOS experts to Task Teams and specific GEO activities, and by working with the other GGOS Working Groups to respond to GEO requests and to develop appropriate GGOS contributions to GEOSS. In order to facilitate informed decision by GEO with respect to geodetic issues, the WG ensures effective information flow from GGOS and IAG to GEO. In order to support GGOS in progressing towards its goals, the WG ensures a comprehensive information flow from GEO to GGOS and advises GGOS and IAG in GEO-related issues. Particular emphasis is on interoperability of GGOS with GEOSS as a prerequisite for utilizing the full benefit of GGOS for Earth observation.

# Membership of the GGOS Working Group on GEO Relations

Members of the GGOS Working Group on GEO Relations. Status as of March 31, 2009. ADC: Architecture and Data Committee; STC: Science and Technology Committee; CBC: Capacity Building Committee; UIC: User Interface Committee.

Name	Affiliation	GEO Committee
Claude Boucher	France	UIC
Ludwig Combrinck	South Africa	CBC
Hermann Drewes	DGFI, Germany	CBC
Ruth Neilan	JPL, Pasadena	ADC
Carey Noll	GSFC, USA	ADC
Michael Pearlman	USA	STC
Hans-Peter Plag	UNR, Reno, USA	ADC, STC, UIC, WG chair
Bernd Richter	BKG, Frankfurt, Germany	ADC
Markus Rothacher	ETH Zurich, Switzerland	STC
Tilo Schoene	GFZ Potsdam	
C. K. Shum	Ohio State University, Columbus, USA	UIC
Susanna Zerbinì	University of Bologna, Italy	STC

# Main Activities

## 2008/01-2009/03

- Participation in Committee meetings
- Contribution to Tasks
- Contribution to Communities of Practice (CoPs)
- Organization of GEO Workshops

# Contribution to Committees

Meeting	Date	Venue	GGOS Repres.	Comment
GEOSS Arch. WS	080204-05	Ispira, Italy	H.-P. Plag	
6th ADC	080206-07	Ispira, Italy	H.-P. Plag	
6th STC	080211-12	Hannover, Germany	S. Zerbini	
6th CBC	080213-14	Hannover, Germany	none	
AIP User WS	080504	Toronto, Canada	H.-P. Plag	
7th UIC	080506-08	Toronto, Canada	H.-P. Plag	also representation of CZCP, IGCP 565 Project, Geohazards CP
7th ADC	080520-21	Geneva, Switzerland	B. Richter	
7th STC	080522-23	Geneva, Switzerland	S. Zerbini	
7th CBC	080603-05	Tashkent, Uzbekistan	none	
8th STC	080908-09	Paris, France	none	
8th UIC	080922-24	Boulder, CO, USA	H.-P. Plag	also representation of CZCP, IGCP 565 Project, Geohazards CP
8th CBC	080922-24	Boulder, CO, USA	none	
8th ADC	080922-23	Boulder, CO, USA	B. Richter, H.-P. Plag	Plag: Task AR-07-03 report
AIP-2 WS	080925-26	Boulder, CO, USA	H.-P. Plag	
9th UIC	081117-18	Bucharest, Romania	H.-P. Plag	
GEO-V	081119-20	Bucharest, Romania	M. Rothacher, H.-P. Plag	S. Zerbini as member of Italian Delegation
GEOSS U&A WS	081203-04	Valencia, Spain	João Torres	
9th STC	081216-17	San Francisco, USA	S. Zerbini, B. Richter, H.-P. Plag	B. Richter also for Germany; H.-P. Plag also for Geohazards CoP.
STC Task T.	090205-06	Brussels, Belgium	H.-P. Plag	prelim. POC for ST-09-02
9th ADC	090209-10	Kyoto, Japan	B. Richter	also for Germany
10th UIC	090226-27	Sophia Antipolis, France	none	
9th CBC	090427-28	Athens, Greece	none	
11th UIC	090502,08	Stresa, Italy	H.-P. Plag	(partly)
10th STC	090506-07	Stresa, Italy	H.-P. Plag S. Zerbini	Plag also as preliminary POC for ST-09-02
10th ADC	090507	Stresa, Italy	B. Richter H.-P. Plag	B. Richter also for Germany (partly)

## Contributions to GEO Tasks

AR-07-03 Global Geodetic Reference Frames

(now a sub-task of DA-09-02: Data Integration and Analysis):

Point of Contact: Plag

Contributors: Altamimi, Boucher, Ihde, Park, Richter, Smith, ...

*Extended to include:*

- *regional reference frames;*
- *height reference system;*
- *standardization.*

DI-06-02 Seismographic Networks Improvement and Coordination

(now a sub-task of DI-09-01: Systematic Monitoring for Geohazards Risk Assessment...)

*“Improve the capabilities of ... GNSS networks ...”:*

Point of Contact: Buttler

Contributor: Neilan, Plag

*No input so far. Potential input: reports on UNAVCO & JPL real-time GPS/displacements.*

# Contributions to GEO Tasks

US-09-01: User Engagement

US-09-01a: Identify synergies between Societal Benefit Areas

- **contribution to user requirement registry**

US-09-02a: Community of Practice and Partnership Development

- **co-lead**

ST-09-02: Promoting Awareness and Benefits of GEO in the Science and Technology Community

- **Preliminary Point of Contact: Plag**

- ***Considered: To co-lead the task, together with COSPAR***

# Contributions to Communities of Practice

## Coastal Zone Community of Practice:

- Plag (Co-Chair)
- Participation in the organization of regional workshops

## Geohazards Community of Practice:

- Plag (Member)
- status of CoP is unclear

## Water Community of Practice:

- IGCP 565 Project
- Organization of Workshops

## Cryosphere Community of Practice:

- *Is under formation*

## Energy Community of Practice:

- *Might be of interest*

## Assessment of Activities

- Active Contributor to GEO activities at different levels (Committees, tasks, CoPs)
- Has increased awareness of geodesy's contribution in the GEO community
- Activity at Task-level is low: insufficient knowledge of opportunities in the geodetic community?
- Contributions mainly opportunity-driven
- No well-defined strategy and goals
- Low result-to-effort ratio



## Next Steps

- Develop objectives, goals and strategy for GGOS Contribution to GEO
- Improve coordination of activities