

## *Background*

The aim is to have a discussion-oriented workshop, and avoid the standard 15-minute scientific conference talk followed by a question or two. For a typical 1.5 hour session the session leaders will either give or invite two 20-minute review talks that pose the important questions. Following each talk there will be 10 minutes for questions. Each session will conclude with a 30-minute discussion session involving the panelists and the audience.

While we are committed to the basic format of one or two overview talks for each session, with the bulk of the time left for discussion, participants are encouraged to present their work to the appropriate session leaders for inclusion in the overview. We also invite you to volunteer as a panelist in a session that is of particular interest to you. Finally, please note that on Wednesday 13 May 2009, in parallel with the GLOSS Group of Experts meeting, there will be a follow-on TIGA splinter meeting that will be organized by Tilo Schöne and Guy Wöppelmann, and additional short presentations can be made there. Please contact Tilo Schöne (E-mail: [tschoene@gfz-potsdam.de](mailto:tschoene@gfz-potsdam.de) ) about the splinter meeting.

Concerning the panelists, these people are yet to be identified. It is the intention of the steering committee to choose panelists from the final list of attendees, but if you would like to serve as a panelist, please let the chair of the steering committee us know and we will do our best to accommodate you.

On behalf of the steering committee,

Gary Mitchum

---

## **PROVISIONARY AGENDA 23 MARCH 2009**

### **Precision Observations of Vertical Land Motion at Tide Gauges**

Monday 11 May 2009

Welcome and Overview (0.5 hour)

Leaders: Merrifield and Aarup

*What is the desired outcome of the meeting? In what way should plans be advanced and endorsed by community?*

Motivation (1.5 hours)

Leaders: Mitchum and Woodworth

Calibration of satellite altimeters

Global sea level

Ocean circulation

*Why are we doing this?*

*What would absolute levels for the tide gauges teach us about the ocean?*

Break (0.5 hour)

Present geodetic network status (1.5 hours)

Lead: Wöppelmann, Schöne, and Williams

The GPS/TIGA network

DORIS

Absolute gravity

*Which methods can provide high quality, cost-effective results?*

*What is the present state of the art for each of the methods?*

Lunch (1 hour)

Geodetic issues (2 hours)

Leader: Schöne and Wöppelmann

*What are the most important questions that must be resolved in order to have operational products that are useful for tide gauge benchmarking?*

*What are the prospects for and the path forward to answering these questions?*

Break (0.5 hour)

Technical issues for operators and users (2 hours)

Leaders: Fernandes, Williams, Merrifield

*How does one install and operate an absolute sea level station?*

*How to accurately measure the local ties between the different systems?*

*What are the adequate types of equipments to be installed (GPS receivers and Tide-gauges)?*

*Where should the data be submitted to and how (Communication issues)?*

*What do you do with the geodetic data once you collect it?*

End of Day 1

---

Tuesday 12 May 2009

What processing and data centers are needed for GPS data and products (2 hours)

Leaders: King, Wöppelmann, and Rickards

*Is it desirable to have more than one processing center and more than one processing strategy operating in parallel?*

*What might these centers be and what might these strategies be?*

*What support would be required?*

*Where do the data and products go for archiving and distribution?*

Break (30 minutes)

Future network (2 hours)

Leaders: Merrifield and Schöne

*Can quantitative criteria be established for use in deciding where the future efforts of the community should be focused?*

Lunch (1 hour)

Open discussion (1.5 hours)

Leader: Mitchum

*Open discussion on items that might have been missed, or anything participants feel should be addressed.*

Break (1 hour)

Plan of action (1.5 hours)

Leaders: Merrifield and Aarup

*The goal is to arrive at a consensus plan to take forward. It should be as detailed as possible, but must also be tractable, meaning something that can reasonably be expected to get done rather than a shopping list of things participants would like to have in place.*