



Global Geodetic Observing System of the International Association of Geodesy

STATUS REPORT 17 April 2012

Theme 3: Understanding and Forecasting Sea-Level Rise and Variability

Mark E. Tamisiea (1), Tilo Schöne (2), Philip Woodworth (1), C.K. Shum (3)

(1) National Oceanography Centre, Liverpool, United Kingdom

(2) GeoForschungsZentrum Potsdam, Germany

(3) Division of Geodetic Science, School of Earth Sciences, Ohio State University, Columbus, Ohio, United States

Present Status and Progress

The primary focus of effort for the Theme has been the development of the Call for Demonstration Projects. There are several benefits of proposals to this Call for both GGOS and the submitters. Successful proposals will receive a letter of acceptance and support and gain international recognition, which may promote further collaboration between groups. For GGOS, the proposals will highlight the importance of geodesy to the applications of monitoring and understanding sea level change and its impact on coastal communities and give a better overview of existing projects and infrastructure.

With feedback from the EC, the Call for Demonstration Projects was modified and a final version was provided to the CO for posting on their website (9/4/2012). Once this has been posted, an announcement of the Call will be widely distributed, with the CO distributing the list to the various GGOS/IAG mailing lists and Tamisiea distributing to oceanographic lists and individuals.

The procedure for acceptance has been established, with the Theme Leaders judging the proposals subject to review by the EC. Successful proposals will be posted on the GGOS Portal in a new “Themes” section.

Planned Actions and Milestones

We hope to receive initial project proposals by the end of May/early June in order to discuss the results at the GGOS retreat. We will look forward to the retreat to discuss future directions and leadership of the Theme.

Other short-term actions:

AS-SL-01: Identification of the requirements for applications towards proper understanding of global and regional sea level rise and variability especially in so far as they relate to geodetic monitoring provided by GGOS infrastructure. (ongoing)

AS-SO-02: Identification of the organizations or individuals who can take forward each requirement or act as points of contact for each requirement where they are primarily the responsibility of bodies not related to GGOS. (ongoing)

AS-SP-03: Identification of a preliminary set of practical (as opposed to scientific) demonstration and application projects which will make clear the importance of geodetic measurements to mitigation of sea level rise at a local level. (ongoing)