

GGOS Working Group

Ground Networks and Communications

Highlights

- **Network Scoping Activity (Simulations);**
 - **Justification for a third SLR site in northern Australia as part the AuScope;**
 - **Size and Distribution of the SLR and VLBI Networks for support reference frame accuracy of 0.1 mm/yr;**
 - **Based on reference frame strengths for each technique;**
 - **Very strong colocation component;**
 - **GPS and DORIS pretty much global as they are now**
 - **Still working in gravity;**
- **Effective ways of monitor inter-technique vectors at colocation sites;**
- **Future retroreflector arrays on GPS satellites;**
 - **Utility/Justification;**
 - **Hardware options;**
- **Charts on stations and product information provided to GEO and INDIGO;**
- **Provides integration for the Services;**
 - **WG meets at least twice per year (AGU, EGU)**
 - **Weekly telecons**
- **Communications area needs work;**

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- **Membership:** The Working Group has accumulated participants as topics have been addressed through its meetings and telecons. We have considered all of them to be members of the Working Group; some participate every week, some once in while. Some we don't hear from:

Zuheir Altamimi, David Arnold, Yoaz Bar Sever, Norman Beck, Dirk Behrend, Wolfgang Bosch, Rene Ferland, Rene Forsberg, Richard Gross, Werner Gurtner, Steve Kenyon, Frank Lemoine, Linling Li, Dan MacMillan, Chopo Ma, Zinovy Malkin, Jan McGarry, Angelyn Moore, Ruth Neilan, Carey Noll, Mike Pearlman, Erricos Pavlis, John Ries, Markus Rothacher, David Rowlands, David Rubincam, David Stowers, Frank Webb, Pascal Willis

- **Publications:**

“GGOS Working Group on Ground Networks and Communications”, Pearlman et.al., Dynamic Planet (ed. P. Thegoning and C. Rizos), Springer, IAG Symposium. Vol. 130, ISBN 978-3-540-49349-5, p719.

“Global Geodetic Observing System – Considerations for the Geodetic Network Infrastructure”, Pearlman et. Al., Geomatica, Vol 60, No. 2, 2006, p193-204.

- WG Meeting on Wednesday Evening, Dec. 13; Chancellor Hotel; 6:30 – 9:30 pm.