IERS WG on co-locations and IAG commission 1 JWG1.1

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EGU 2012 – Wednesday, April 25, 2012 – SM6 – Vienna
IERS and IAG WGs

- **WG established in 2004:**
  - 2004-2005 John Dawson (Geoscience Australia)
  - 2006-2008 Gary Johnston (Geoscience Australia)
  - 2009- Pierguido Sarti (Nat Inst of Astrophys, Italy)

- **8 WG meetings since 2004:**
  - April 2004, Nice;
  - August 2005, Cairns;
  - April 2006, Vienna;
  - October 2006, Canberra;
  - April 2007, Vienna;
  - December 2009, San Francisco;
  - May 2010, San Francisco;
  - December 2011, San Francisco

- **JWG1.1 re-established in 2012** ([http://iag.uni.lu/index.php?id=52](http://iag.uni.lu/index.php?id=52)):
  - “Tie vectors and local ties to support integration of techniques”
  - New TOR
  - New membership (tbc)
General goals

1. *Coordinate* research on Local Tie procedures and Tie Vectors estimation 😞
2. *Define* procedures, standards, guidelines 😞
3. *Stimulate* discussion and interaction between surveyors, SG technique experts, combination experts 😊
4. *Investigate* precision, accuracy and repeatability of TVs and their discrepancies with SG solutions (ITRF residuals) 😊
1. Coordination of research 😞

- **Meeting attendance (2009-2011)**
  - 5 (22%) members have full attendance
  - 8 (37%) of members never showed up
  - Large (and increasing) number of guests from meeting to meeting

- Scarce discussion on research via e-mails or at the meetings
- Scarce feedback on items discussed during the meetings (no reactions on circulated minutes)
- **The WG is not serving as a liaising entity**
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2. Definition of guidelines 😞

- From the report of the FIG Committee on the Analysis of Deformation Surveys established *ad hoc* in 1978:

  “it would be difficult to completely unify all the approaches into one general set of guidelines for practising surveyors”

  and

  “the final choice of the [surveying] approach should be left to the user”

  *(Chrzanowski and Chen, 1986)*
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How to proceed?

1. Re-write the TOR (adopt the TOR of the IAG JWG 1.1)
2. Revise the list of members
3. Stringent need of a *permanent* entity that goes beyond the prerogatives of a WG to ensure temporal continuity, services, archiving, validation
4. Creation of an Action Group within the ITRS centre and supported by IGN