

ISPRS WG1/I Update

ICCAGRA

Sep 11 meeting

Andrew Roberts

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Terms of Reference

- **TOR 1:** Coordinate a forum for discussion between the international airborne science communities (Randal Albertson).
- **TOR 2, 3, 11:** Develop airborne sensor interface format standards in coordination with other working groups to promote maximum sensor portability between aircraft increasing science yield from the sensors. Develop airborne satellite data relay systems use for science research programs between aircraft and ground. Develop airborne data processing standards to facilitate instrument inter-calibration and normalize international data exchange (Matt Freer).
- **TOR 4:** Develop an airborne science literature search to identify peer reviewed published papers and citations and make in available in a data base. These will be peer-reviewed articles only. (Jean-Louis Brenguier).
- **TOR 5:** Temporarily Disbanded. Support the regulatory agencies in supporting airborne science sensor certification and approval requirements for LIDAR, dropsondes and electromagnetic spectrum emissions.
- **TOR 6:** Maintain an inventory of the international airborne science capabilities and report annually (Jean-Louis Brenguier).
- **TOR 7:** Develop a forum to discuss transnational access system(s) for airborne users (Jean-Louis Brenguier).
- **TOR 8:** Temporarily Disbanded. Support the use of Unmanned Aerial System (UAS) vehicle activity for science observations in civil and restricted airspace on an international basis and engage the International Civil Aviation Organization. This TOR is temporarily disbanded because of the large number of organizations who are involved in UAS operations.
- **TOR 9:** Promote the education and outreach on an international basis of airborne based science activity (Catherine Lockwood).
- **TOR 10:** Develop a forum to coordinate expert workshops in airborne science sensor categories (Bruce Doddridge).

Executive Summary

- The WG has now completed 2 years of activity with good progress overall in building international bridges for the airborne science communities.
- We have expanded/combined some of the standards or guidance which is used in the different agencies who operate airborne science programs.
- The WG/TOR's has participated in **over 10 international meetings** and conferences during this period. Our most recent meeting was in April.
- The meeting of the Working Group in Sydney included **Dr. Chen Jun, the ISPRS general secretary**, where he gave a good presentation on the ISPRS Congress meeting in Melbourne next year.
- As a result of this meeting at the ISRSE 34 conference - three of our TOR's were combined into one TOR, and three of the 11 TOR's were determined not to be effective and will not be reporting out in 2012 at the ISPRS congress.
- Some good discussions regarding the direction of the WG were conducted as well as each of the TORs reporting on their activities and future plans.
- Over the next year we intend to work to have the **TOR's prepare their reports on the results of what was accomplished** during the three years of this working group.

Future Planned Activities

- Chair, Co-Chair, Secretary and TOR 1, 7, and 10 begin planning for next ICARE type conference
- TOR leads and members consider planning airborne sessions at AGU, EGU and AMS annual meetings
- WG I/1 Secretary, in coordination with Chair, Co-chair and TOR members, prepare draft paper on Working Group for submission to (TBD) professional journal. A final report for ISPRS will also have to be prepared by the officers.
- Randal Albertson will work with other agencies on data base for TOR 4.
- Jason Tomlinson will work on inventory of airborne facilities for TOR 6.
- Catherine Lockwood will continue collaboration with IIs Reusen and put a priority on legacy of educational activities in TOR 9.
- Bruce Doddridge will continue to experiment with Facebook for TOR 10.
- All TORs should begin planning for reports and recommendations at the XXII Congress of ISPRS, 25 August-1 September 2012, Melbourne, Australia
- Advocate to have a plenary airborne oral presentation in Melbourne as well as a booth