

# ISPRS Commission I

Airborne Science Working Group

Terms of Reference

Roberts

# Background

- There currently exists a lack of communication and coordination between international participants in airborne science and related issues and between the international airborne science community and the international spaceborne science community.
- This lack of communication and coordination often results in redundant technologies and missions, inconsistent standards, and missed opportunities for mission collaboration and data correlation

# Proposed Activity

- A working group of the International Society of Photogrammetry and Remote Sensing (ISPRS) is proposed which would provide an international forum for improved dialogue between international airborne science programs as well as between the international airborne science community and the international spaceborne science community.
- This dialogue would be carried out via international symposia, conferences and workshops, as well as through periodic newsletters and a working group web page.
- Convene a conference of the working group at the International symposium on Remote Sensing of Environment (ISRSE) during odd number years.

# Proposed Participants

- Initial participants would include The Interagency Coordinating Committee for Airborne Geoscience Research and Applications (ICCAGRA) and the European Fleet for Airborne Research (EUFAR). Members of those organizations would serve as chair, co-chair and secretary of the working group. Other international participants in airborne science activities would be invited to join the working group.

# Time Frame

- The working group would be established in ISPRS Commission I and would remain in effect until the next ISPRS congress in 2012.

# Working Group Terms of Reference to Include:

- Coordinate a forum for discussion between the international airborne science communities
- Develop airborne sensor interface format standards in coordination with other working groups to promote maximum sensor portability between aircraft.
- Develop airborne satellite data relay systems use for science research programs between aircraft and ground in coordination with other working groups
- Develop an airborne science literature search to identify peer reviewed published papers and citations and make a available in a data base.
- Support the regulatory agencies in supporting airborne science sensor certification and approval requirements for Lidar, Dropsonde and electromagnetic spectrum emissions.
- Maintain an inventory of the international airborne science capabilities
- Develop a forum to discuss transnational access system(s) for airborne users.
- Support the use of UAS vehicle activity for science observations in civil and restricted airspace on an international basis and engage the ICAO.
- Promote the education and outreach on an international basis of airborne based science activity.