

## **WG1/I Agenda Plan**

- Welcome – Andrew and Jean-Louis 10min
- ISPRS and Working Group Expectations – Jim 10min
- ~~--Current state of ICCAGRA Standards, IWGADTS/Jassiwg/NASDAT  
Chris Webster/Mike Gaunce/Jeff Meyers – 15min~~
- ~~--Current state of EUFAR Standards Jean-Louis 10min~~
- 1-4 TOR discussion have each selected lead discuss what they want to do, 60min
- Break 1 10min
- 5-8 TOR discussion have each selected lead discuss what they want to do, 60min
- Break 2 10min
- 9-11 TOR discussion have each selected lead discuss what they want to do, 45min
- Next meeting and Assignments to TOR leads – Jim 5min
- Concluding Remarks Andrew and Jean-Louis 5min

Give folks 10 – 15 minutes to make final TOR adjustments on signup sheets

25 March 2009

ISPRS – Introduction for Meeting/talking points for Chair/Co-Chair – Draft of 25 March 2009

Under Technical Commission I, *Image Data Acquisition – Sensors and Platforms*, are 6 Working Groups (WG):

**WG I/1 – Standardization of Airborne Platform/Interface.** This is the new WG and this is the first meeting of the group

WG I/2 – LIDAR, SAR and Optical Sensors for Airborne and Spaceborne Platforms

WG I/3 – Multi-Platform Multi-Sensor Inter-Calibration

WG I/4 – Geometric and Radiometric Modeling of Optical Spaceborne Sensors

WG I/5 – Integrated Systems for Sensor Georeferencing and Navigation

WG I/6 – Small Satellites for Earth Observation

The ISPRS lists 10 Terms of Reference for WG I/1. These 10 are:

- 1) Coordinate a forum for discussion between the international airborne science communities
- 2) Develop airborne sensor interface format standards in coordination with other working groups to promote maximum sensor portability between aircrafts increasing science yield from the sensors
- 3) Develop airborne satellite data relay systems use for science research programs between aircraft and ground in coordination with other working groups
- 4) Develop an airborne science literature search of identify peer reviewed published papers and citations and make a (*sic*) available in a data base
- 5) Support the regulatory agencies in supporting airborne science sensor certification and approval requirements for Lidar, Dropsonde and electromagnetic spectrum emissions
- 6) Maintain an inventory of the international airborne science capabilities and report annually
- 7) Develop a forum to discuss transnational access system(s) for airborne users
- 8) Support the use of UAS vehicle activity for science observations in civil and restricted airspace on an international basis and engage the ICAO
- 9) Promote the (*sic*) education and outreach on an international basis of airborne based science activity
- 10) Develop a forum to coordinate expert international workshops in (the) categories of airborne science sensors for both Remote Sensing and *in-situ* systems.

In our original application we had 11 Terms of Reference (TORs) and that is what I had communicated to our community. The one TOR that is omitted from the ISPRS site is our original number 3, **Develop airborne data processing standards to facilitate instrument inter-calibration, data inter-comparison, and normalize international data bases.**

**COMMENT** (Jim Huning): Andrew do you wish to pursue with Nasir (President of Technical Commission I) to see if that was intentional or not? I bring this up because the TORs of WG I/3 in Technical Commission I state:

- 1) Multi-platform data acquisition and inter-calibration
- 2) Investigate multi-source data quality control and quality assurance methods for land-, air, and space-borne imaging and ranging systems – collaborate with WG II/4
- 3) Develop workflow guidelines for system calibration (sensors and inter-sensors)
- 4) Collaborate and liaise with EuroSDR (Comm I) in the development of commonly accepted standards procedures for the inter-calibration and testing of Multi-Platform Multi-Sensor systems.

Perhaps our original TOR 3 is redundant to WG I/3's TORs. This should be confirmed one way or another because in the list of participants for our WG the greatest interest is in the deleted TOR. Those who expressed interest in the deleted TOR 3 are:

Brenguier  
Doddridge  
Freudinger  
Garland  
Holzworth  
McFadden  
Meuleman  
Webster

Because of the interest in this topic it needs to be clarified by Naser as soon as possible and definitely before the meeting.

**Here is Naser response to our late request:**

**Hi Jean-Louis**

**The problem is that the WG TOR was approved by the ISPRS council last October and to go back with changes require another approval which will delay the whole process.**

**Thanks**

**Naser**

## That does not prevent us to start the activity and then the approval

(You may want to discuss with J-L as I know he has particular interest in this topic)

### Orangebook

I read through most of the requirements from the Orange Book and there are some things that you/J-L will need to do to meet the ISPRS requirements. These include, but are not limited to:

- 1) WG officers are responsible for organizing the scientific activities of the WG according to the TOR prepared in coordination with their TCP (which makes the above discussion about TOR 3 critical)
- 2) WGs are expected to develop a program of activity covering the areas of interest of the WG
- 3) WG officers are expected to organize WG meetings during the odd numbered years between Congresses and Symposia (see appendix 3 in Orange book)
- 4) All WG Chairs and co-chairs are expected to attend the Symposium and Congress and be responsible for assisting the TCP in preparing the technical program
- 5) From Appendix 9: Council requires...and Working Group Chairs arrange for the preparation of formal reports on all Commission scientific meetings that are sponsored or supported by ISPRS. The reports have specific content requirements articulated in Appendix 9.

At the meeting it might prove beneficial (for discussion and to make sure all attendees understand their responsibilities) to hand out page 1 of Appendix 19 of the Orangebook:

### Working Group Responsibilities and Tasks

ISPRS WGs, under the direction of the respective Technical Commissions, are responsible for the scientific work of the Society. Chairs and Co-Chairs of the WGs are expected to lead the activities of the WG according to the TORs, which have been approved by the ISPRS Council (begs again the one TOR that was omitted). The summary of responsibilities and tasks are to:

- a) organization of the scientific work of the WG
- b) selection of members of the WG who have a strong interest in the WG and an ability to progress its scientific work
- c) Development and coordination of WG programs of study amongst its members,....
- d) Regular communication on the activities of the WG to the TCP, including the submission of WG contributions for ISPRS annual reports
- e) Organization of the WG workshops

It is important that the attendees realize that they can't just attend but that there is going to be work that needs to be done.

I have no concern from the EUFAR side because these activities are already part of our deliverables to the EU Commission in EUFAR. So the question is rather how we get people involved and how we (ICCAGRA and EUFAR) manage to merge part of our activities and report jointly to ISPRS. From the EUFAR side the report will be an abstract of our reports to the Commission.

Because we do have the groups somewhat organized (but the spread among the various TORs is really too broad – I doubt if any one person could effectively participate in more than 2 TORs, but I also think that should be a major agenda topic –

### **How should the members of the WG organize into subgroups per the TORs**

We have the individuals group by TOR interest and so here is one possible grouping but it really needs to be run by the Co-chair and then the affected attendees. Our number 3 TOR is missing from the ISPRS home page site and so we need to decide what to do about that and the affected members.

The groups below do not include our number 3 TOR but are listed per the 10 ISPRS site TORs

NOTE: There are a number of people who we will need to ask what TOR they want to work on as they were added late; that will change the population of these TORs – we should do that in person with the TORs printed out so all can see.

I agree but from the EUFAR side the leader of the corresponding EUFAR activity is necessarily a member of that TOR? And when led by EUFAR he/she shall be the leader. This way we are sure the activity will be completed because the activity leader are enforced by the EU Contract to do it.

Original TOR (ISPRS TOR)

1 (1) **Roberts Andrew**, Brenguier, Brown, Huning (Harbers – I added) **OK**

2 (2) Doddridge, **Holzwarth**, Marcotte, McFadden, Meuleman  
**Stefanie Holzwarth is in charge of this activity in EUFAR**

3 (deleted) **If reset, then here at least Chris Webster, Matt Freer (EUFAR), Meuleman (leader ?)**

4 (3) **Freudinger**, Shetter, Webster, Holzwarth  
**We have no experience of this in EUFAR, so I propose that the activity is led by a US member already experienced in this (NCAR for instance)**

5 (4) Seielstad, Novak, Brenguier, Doddridge, **Wells**  
**EUFAR is well advanced in this field and might lead the activity. I propose our scientific assistant Bob Wells, who has a large experienced of it**

6 (5) Curry, Fladeland, Kommallein, **McFadden** **OK**

7 (6) Brenguier, Marcotte, Tomlinson (I added), Harbers, **Shetter**  
**OK**

8 (7) Roberts, Huning, Brown, **Brenguier** (I added) **OK**

9 (8) Quirk, **Reuder**, Schonennung, Hall, **Mulac**, Marcotte, Meuleman (suggest two co-chairs due to FAA and EASA)  
**Then I propose Reuder, coordinator of the EU COST action on UAS**

10 (9) Seielstad, Cecere, **Ils Reusen**, Novak

11 (10) ~~Roberts (Greg)~~ **Wendisch**, Fladeland, Marcotte, Doddridge, Brenguier (I added), Brown (I added)

**G. Roberts is not involved into this and Wendisch is the EUFAR leader of this activity**

The names in **bold** only represent my suggestion for chair of that TOR subgroup. Several people are in several groups that I think will not work effectively. This is an issue we should discuss.

Not in any category: Albertson, Alhanbali, Dorstel, Held, Huadong, Ikkers, Jovanovic, Krautstrunk, Salter, Stith, Tomlinson (I added him to one, however), Weber, Wechselberger, Woodgate

**Note:** My list may be a bit incomplete which is why we should discuss to make sure I didn't miscategorize someone or in case someone fell between the cracks. Not everyone stated a TOR preference(s).

Suggestions/Comments welcome.

Jim Huning

Andrew's comments

This all sounds fine to me. We can go with J-L suggestions on leads and assume we will get the missing TOR back in as the new number 11. We should set up a telecon between J-L, AR and JH How about 10 am EDT (Washington DC time) on Wed Apr 8? I will actually be in California where it will be 7 am, not sure what it is in France maybe 1500 or 1600??

We have 3 hours.

So we need to break it out between the WG working group Leaders and the TOR Leads, each lead should present very shortly what they want to do. Agree we limit the number of TOR's an individual can participate in to two. If we give each TOR lead 7 minutes to present their idea of what they would like to do, that will take 77 minutes. Assuming two 10 minute breaks we have used up 97 minutes, some will go over so give us 33 minutes for that that is 130 minutes, so that leaves us 50 minutes to do the other activity

We should get large paper and hang it around the room for folks to sign up for each TOR and do this during the breaks

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- Current state of EUFAR Standards Jean Louis 10min
- Break 1 10min
- 1-6 TOR discussion have each selected lead discuss what they want to do, 42min
- Break 2 10min
- 7-11 TOR discussion have each selected lead discuss what they want to do, 35min
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#### A few notes I had previously

- 1) At ISPRS meeting administrative duties need to be addressed by Andrew and Jean-Louis, reports, TOR chairs, organizing people into TOR groups so that there is somewhat of an equal distribution or something similar. Maybe not all groups need many people – perhaps this should be discussed at the initial meeting
- 2) Confirmation of members that they will participate in follow on meetings (e.g., Canada next year). ISPRS requirements