Ad hoc OSCAR project requirements workshop
(Geneva, 3-4 Sept. 2014)

Goal of the workshop

The purpose of the workshop will essentially be to address the following issue:

How to represent surface observing systems capabilities within OSCAR/Surface, including surface weather radars, in such a way that we can easily collect metadata from the operators of these systems, and use the metadata collected with automatic algorithms in order to express such capabilities in quantities that can be combined and averaged for comparing those capabilities with the technology free observational user requirements recorded quantitatively in the OSCAR/Requirements database for an observed variable, geographic region, vertical layer, horizontal domain, and application area ?

In the process, the workshop will have to agree on some assumptions, simplifications, and approximations in order to make the necessary OSCAR Platform software developments, and the collection of the required metadata from platform operators realistic. The workshop will also have to assure compatibility of the proposed methodology with the WIGOS metadata standard, and the OSCAR/Requirements criteria. This may impact the propose data model for the OSCAR Platform.

Invited Participants

Name	E-mail	Status	Expertise
Dominique Ruffieux (Switzerland)	Dominique.Ruffieux@meteoswiss.ch	Confirmed	Wind Profilers
Stewart Taylor (UK)	stewart.taylor@metoffice.gov.uk	Confirmed	AMDAR
Mathieu Belbéoch (JCOMMOPS)	belbeoch@jcommops.org	Confirmed	Marine observing systems
Jörg Klausen (Switzerland)	joerg.klausen@meteoswiss.ch	Confirmed	MeteoSwiss project lead, and GAWSIS
John Eyre (UK)	john.eyre@metoffice.gov.uk	Via teleconf. (3 Sep. 11:10)	IPET-OSDE and Rolling Review of Requirements
Kamuran Akyildiz (Turkey)	kakyildiz@mgm.gov.tr	Confirmed	Weather Radar Database / Technical
Oguzhan Sireci (Ankara, Turkey)	osireci@mgm.gov.tr	Confirmed	Weather Radar Database / Conceptual
Jochen Dibbern (Germany)	jochen.dibbern@dwd.de	Via teleconf. (3 Sept. 10:50)	IPET-WIFI
Jitze van der Meulen (NL)	jitze.van.der.meulen@knmi.nl	Confirmed	Aeronautical meteorological stations
		Secretariat	Hydrological observing stations
Rainer März (Germany)	Rainer.Maerz@dwd.de	Confirmed	IPET-WIFI sub-group on OSCAR

Agenda & Time Table

Wednesday 3 Sept. (Room 7J)
(presentation of issues, reporting, questions/answers)

1. 10:00 – Opening
2. 10:20 – Background information on the OSCAR Platform Project
   10:50 – Guidance of ICT-IOS Chair (by teleconference)
   11:10 – Guidance of IPET-OSDE Chair (by teleconference)
3. 11:30 – Observational user requirements
4. 11:50 – WIGOS Metadata Standard, and OSCAR

12:00 – 14:00 Lunch break

5. 14:00 – Priorities for implementing platform types in OSCAR/Surface
6. 14:30 – Representation of the surface-based capabilities by platform type
7. 15:00 – Algorithms for the RRR critical review

15:30 – 16:00 Coffee break

8. 16:00 – User monitoring information (e.g. NWP)
9. 16:30 – Quality monitoring of OSCAR content
10. 17:00 – Interfaces with existing databases

Thursday 4 Sept. (Room 7J)
(brainstorming, discussion & decisions)

5. 09:00 – Priorities for implementing platform types in OSCAR/Surface
6. 09:30 – Representation of the surface-based capabilities by platform type

10:30 – 11:00 Coffee break

6. 11:00 – Representation of the surface-based capabilities by platform type (continued)
7. 11:30 – Algorithms for the RRR critical review

12:00 – 14:00 Lunch break

8. 14:00 – User monitoring information (e.g. NWP)
9. 14:30 – Quality monitoring of OSCAR content
10. 15:00 – Interfaces with existing databases

15:30 – 16:00 Coffee break

10. 16:00 – Interfaces with existing databases (continued)
11. 16:30 – Any other business
12. 17:00 – Close

Background documents

1 Goal of the workshop and list of participants (this document)
2 OSCAR/Surface functional specifications
3 WIGOS Metadata Standard
4 Draft data model
5 Initial ideas and proposed algorithms for the representation of surface-based capabilities for the Rolling Review of Requirements (RRR) Critical Review

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