



Science meeting report:

2nd ICOS Monitoring Station Assembly Atmosphere

Amsterdam, 24-26 June 2014

Application reference no: 5461



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2nd ICOS Monitoring Station Assembly Atmosphere, Amsterdam, 24-26 June 2014

ICOS, the Integrated Carbon Observation System, is a newly-started European research infrastructure (RI) with the mission to enable research on the greenhouse gas budgets and its perturbations in Europe and adjacent regions. ICOS is in the strategic roadmap of ESFRI (European Strategic Forum for Research Infrastructures) for Europe as one of the required Research Infrastructures. ICOS will provide the long-term observations required to understand the present state and predict future behavior of the global carbon cycle and greenhouse gas emissions.

ICOS' major task is the collection of high-quality observational data at ground-based measurement stations that are operated with a long-term (15+ years) perspective. The stations are run as national networks in the RI member states. When fully deployed, ICOS RI will receive data from 80-100 stations located in more than 15 countries. The measurement data are quality controlled and processed at shared Thematic Centers (TCs), operated by experts on Atmospheric, Ecosystem and Marine observations and data processing, and a Central Analytical Laboratory.

The stations are part of national networks that are contributed by the participating countries. The station PI's of the monitoring stations are gathered in so called Monitoring Station Assemblies (MSA). The different domains of ICOS all have their own Monitoring Station Assembly, and each MSA chooses a Representative that is part of the ICOS (Interim) Infrastructure Committee, which governs the RI from day to day, and is chaired by the ICOS General Director. The MSA's work on the basis of consensus and advice the ICOS Director General on issues relevant to the monitoring stations, like for example the functioning and services of the Thematic Centers.

This report describes the 2nd General Assembly of the ICOS MSA for Atmosphere. During the meeting a large number of issues has been discussed. 40 participants from all over Europe attended the meeting. Next to the general progress in the Thematic center for Atmospheres, also the country representatives present have shown the progress at their national networks. Also important discussions have been held concerning the future direction of the network, performance of individual stations, performance of the monitoring equipment and suitability of new equipment and inclusion of new instrumentation in the data processing chain.

The detailed minutes of the meeting are still open for discussion among the participants so cannot be shared at the moment of writing this report. However all presentation and discussion material is accessible through the MSA Atmosphere website at the following URL:

<http://icos-nl.wikidot.com/msa-atmos>

Agenda of the meeting

ICOS MSA atmosphere

24-26 June 2014, Rosarium, Amstelpark 1, Amsterdam

Tuesday 24 June - afternoon

Chair *Alex Vermeulen*

Rapporteur *Marc Delmotte*

- 1330 - 1400 *walk in*
- 1400 - 1405 Welcome - Alex Vermeulen
- 1405 - 1430 ICOS ERIC: where do we stand - Werner Kutsch
- 1430 - 1500 Atmospheric Topic Center: general progress - Leo Rivier
- 1500 - 1515 Update on the ICOS Carbon Portal - Alex Vermeulen
- 1515 - 1530 Update on the Mobile Lab - Hermann Aaltonen
- 1530 - 1600 *Tea/coffee break*
- 1600 - 1630 Network management demo - Olivier Jossoud
- 1630 - 1700 Cucumbers, results and intro to discussion - Martina Schmidt
- 1700 - 1800 Discussion on Cucumbers and Mobile Lab - Tuomas Laurila

1800 - 1900 *Reception at venue*

Wednesday 25 June - morning

Chair *Leo Rivier*

Rapporteur *Martin Steinbacher*

- 0845 - 0900 *walk in*
- 0900 - 0930 Atm Station specification document - Olivier Laurent et al.
- 0930 - 1030 Discussion on AS specification - Michel Ramonet
- 1030 - 1100 *Tea/coffee break*
- 1100 - 1130 Update on the CAL status - Daniel Rzanske
- 1130 - 1230 Station labelling and discussion

1230 - 1400 *Lunch*

Wednesday 25 June - afternoon

Chair *Ingeborg Levin*

Rapporteur *Arjan Hensen*

- 1400 - 1530 Country reports with synthesis discussion
- 1530 - 1600 *Tea/coffee break*
- 1600 - 1630 Isotope and Picarro instrument evaluation - Camille Yver
- 1630 - 1645 CO2 stable isotopes with FTIR - Ingeborg Levin
- 1645 - 1700 In-situ FTIR developments - Alex Vermeulen
- 1700 - 1720 Buffer volumes - Anders Lindroth
- 1720 - 1800 Discussion on instrumentation developments
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- 1800 - 1900 *Aperitif*
- 1900 - 2130 *Workshop dinner at venue*

Thursday 26 June - morning: MSA general assembly

Chair Alex Vermeulen

Rapporteur Martin Steinbacher

0845 - 0900 *walk in*

0900 - 1230 General assembly. Topics for decisions on recommendations:

- *Adoption AS specification document*
- *Candidates/Election new MSA Atm representative*
- *Quality management*

1030 1100

- Tea/coffee break*
- *Station labelling and a'ssociated sites*
- *New and revised working group tasks*
- ...
- ...
- *Next MSA Atm meeting*
- Any other business/adjourn*

1230 - 1400 *Lunch at own expense*

List of participants (40 persons)

Name (First)	Name (Last)	Email	Country
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Financial information

Room, audiovisuals:	€ 4 423
Catering+meals:	€ 8 217
Total cost	€ 12 640

ESF Grant	€ 5 000
ICOS Finland contrib.	€ 2 094
ICOS CP contrib.	€ 2 400
InGOS contrib.	€ 3 146
Total Budget	€ 12 640