



Midway Meeting, EGU 2014, Vienna, Austria - Wednesday 30.04.2014 08:30-12:00

Deliverable report D1.3

Contents

Participants:.....	2
AGENDA:.....	3
Facilitated discussions.	4
COOPEUS engagement in global activities:	4
COOPEUS and GEOSS – the future perspective	6
Funding strategy.....	7

Participants :

Name	Institute	Project-relation
Ketil Koop-Jakobsen	MARUM/UniHB	COOPEUS
Fiona Grant	Marine Institute	COOPEUS
Siri Jodha Khalsa	University of Colorado	Earthscope/GEO
Lindsay Powers	NEON Inc.	COOPEUS
Jean Daniel Paris	LSCE	COOPEUS
Mairi Best	EMSO	EMSO
Nadine Schneider	LSCE	ICOS
Fernando Aguilar	CSIC	COOPEUS
Ingrid Mann	EISCAT	COOPEUS
Wouter Los	Uni Amsterdam	ENVRI
Christoph Waldmann	MARUM /UniHB	COOPEUS
Bob Weller	WHOI	COOPEUS
Laura Beranzoli	INGV	COOPEUS
Damian Ulbricht	GFz Potsdam	EPOS
Rebecca Koskela	DataONE, UNM	DataONE
Frieder Eukremer	GFz Potsdam	EPOS
Jay Pearlman	IEEE	COOPEUS
Francoise Pearlman	IEEE	COOPEUS
Kerstin Lehnert	Columbia Uni.	IEDA/IGSN
Ari Asmi	UHEL	COOPEUS
Jeff Taylor	NEON Inc.	COOPEUS
Claire Lunch	NEON Inc.	COOPEUS
Jesus Marco	CSIC	COOPEUS
Thomas Hoffmann	GFz Potsdam	EPOS
Jacco Konijn	Uni Amsterdam	ENVRI
Tim Ahern	IRIS	COOPEUS
Torild Van Eck	OEFEUS/EPOS	COOPEUS
Fran Boler	UNAVCO	COOPEUS
Hank Loescher	NEON Inc.	COOPEUS
Robert Huber	MARUM/UniHB	COOPEUS

Total number of Participants: 30

AGENDA:

COOPEUS EGU Meeting; Wed, 30 Apr, 08:30–12:00 / Room R2

Venue: EGU 2014 - Austria Center Vienna – registration for conference necessary

Open session

08:30-08:45 Welcome – COOPEUS update from management 08:45-10:35 Facilitated small group discussions (4 groups)

Discussion 1:

08:45-08:55 Topic introduction by Fiona Grant WP 8 – COOPEUS engagement in global activities – an overview

08:55-09:25 Discussion 1) Broadening engagement with other RIs, initiatives, projects, organizations (ENVRI, ODIP, Future Earth, EarthCube, GEOSS, ICSU) and agencies (NSF and EC)

How do we collaborate with existing efforts and expertise in the broader communities to achieve COOPEUS objectives? Are there specific ways to facilitate these relationships beyond what currently exists? (30min)

09:25-09:40 synthesis

Discussion 2:

09:40-09:50: Topic introduction by Robert Huber WP 7- COOPEUS and GEOSS – the future perspective

09:50-10:20: Discussion: 2) COOPEUS is increasingly making use of the GEOSS guidelines and services; in particular in regard to the data sharing policies and the services and component registry. Can we achieve consensus for COOPEUS involvement in GEOSS? - What level of engagement in GEOSS do we expect and what is the role of GEOSS for COOPEUS; now and in 5 years?

10:20-10:35 synthesis

10:35-10:45 Coffee break

Closed session

10:45-11:20 Funding strategy: H2020 strategy – establishment of proposal taskforce

11:20 – 11:45 Funding strategy: Advocating for new co-funded International Initiatives.

11.45-12:00 User-scenarios – Brief update and presentation of action plans for use case definitions.

Facilitated discussions.

At the midway meeting, two essential topics for COOPEUS was debated; 1) *COOPEUS engagement in global activities* and 2) *COOPEUS engagement in GEOSS*. The discussions were initiated by Fiona Grand (MI/WP8) and Robert Huber (UNIHB/WP7), respectively, followed by group- or plenum-discussions. The outcome and action items of the discussion will be followed up at the COOPEUS annual meeting in Helsinki 29 Sep-2 Oct 2014.

COOPEUS engagement in global activities:

This facilitated discussion was conducted in four small groups. The following organizations were identified as interesting for COOPEUS

List of Existing External Collaborations for COOPEUS and COOPEUS partners

GEOSS – The Global Earth Observation System of Systems will provide decision-support tools to a wide variety of users. As with the Internet, GEOSS will be a global and flexible network of content providers. This ‘system of systems’ will proactively link together existing and planned earth observing systems around the world and support the development of new systems where gaps currently exist. It will promote common technical standards so that data from the thousands of different instruments can be combined into coherent data sets.

Suggested COOPEUS engagement:

1. Suggested priority to COOPEUS is in the use and support of the GEOSS Common Infrastructure (Jay P.)
2. Potential engagement in other specific areas as well (e.g. biodiversity, ocean observing, etc.)
3. Looking at funding planning for 2015 and beyond

COOPEUS contacts: Jay Pearlmann (IEEE) and Siri Jodha Khalsa (Earthscope/GEO)

Proposed action: Jay Pearlmann together with Christoph Waldmann and Robert Huber will overlook the COOPEUS / GEOSS collaboration and facilitate further discussion/actions when needed. GEOSS/COOPEUS Workshop is planned for beginning of July.

Belmont Forum

The Belmont forum shall bring together new partnerships of international funders, natural scientists and social scientists, information engineering and analytics scientists, operational service providers, end-users and other stakeholders

COOPEUS contacts: Christoph Waldmann (UniHB) leads Belmont forum-work package 3 on Harmonization of Global Data Infrastructures.

Proposed action: Christoph Waldmann will inform COOPEUS partners about opportunities in the Belmont forum

Research Data Alliance (RDA)

The Research Data Alliance (RDA) builds the social and technical bridges that enable open sharing of data. The RDA vision is researchers and innovators openly sharing data across technologies, disciplines, and countries to address the grand challenges of society. The Research Data Alliance enables data to be shared across barriers through focused Working Groups and Interest Groups, formed of experts from around the world – from academia, industry and government. The RDA

provides opportunities for engagement across many of the COOPEUS working groups. The Next RDA plenary meeting is in Sept in Amsterdam.

COOPEUS contacts: Ari Asmi (UHEL), Michael Diepenbroeck (UniHB) and Robert Huber (UniHB) are involved in activities of RDA working groups.

Proposed action: Ari Asmi (UHEL) and Rebecca Koskela (DataONE) will review potential collaboration opportunities between RDA and COOPEUS aiming for 2-3 linkage areas.

EarthCUBE – EarthCube is a community-led cyberinfrastructure that will allow for unprecedented data sharing across the geosciences.

COOPEUS contacts: Jay Pearlman (IEE) and Siri Jodha Khalsa (Earthcube)

ESIP – The Federation of Earth Science Information Partners (ESIP) is an open networked community that brings together science, data and information technology practitioners. ESIP was identified as good potential for collaboration partner for COOPEUS.

Proposed action: Rebecca Koskela (DataONE), Brian Wee (NEON), and Jeff Taylor (NEON) will explore the grounds COOPEUS-ESIP collaboration. - a panel overview at the July meeting in Colorado was suggested

DataONE – Data Observation Network for Earth (DataONE) is the foundation of new innovative environmental science through a distributed framework and sustainable cyberinfrastructure that meets the needs of science and society for open, persistent, robust, and secure access to well-described and easily discovered Earth observational data.

COOPEUS contacts: Rebecca Koskela (DataONE),

Other RI projects mentioned to which COPEUS has connections:

ENVRI, ICSU, EUDAT, CreativeB, GEO-Carbon

GLOBAL Collaborations beyond EU and US with interest for COOPEUS

TERN: Australia: Jeff Taylor (NEON) and Rebecca Koskela (DataONE) will get in touch with TERN to gauge potential interest in future coordination

PEEX: European/Russia/China – Ari Asmi (UHEL) will explore potential engagements here.

NSF-RCN Ocean Observations Network US/Europe/Japan/Australia- Fiona Grant (MI) will also explore opportunities with regard to the Atlantic Strategy

THE COOPEUS PERSPECTIVE:

The debate on potential collaboration with other projects and organizations in the international RI-landscape also generated discussions on the role of COOPEUS in this landscape. During the discussion the following viewpoint about COOPEUS were raised:

- Science and cross-cutting themes need to be emphasized in COOPEUS as we move forward (infrastructure alone is not enough).
- The Strength of COOPEUS is to go beyond data-sharing, getting into the details of linking data and information infrastructures from different domains.
- Looking toward global-integration is an important future consideration.

- COOPEUS should try to engage users (data users) at every opportunity e.g. through workshops.
- Funding limitations present a challenging barrier

COOPEUS and GEOSS – the future perspective

In recent month, COOPEUS has increasingly made use of the services provided by GEOSS in particular *the component and services registry (CSR)*. COOPEUS is considering a closer collaboration with GEOSS in the future in regards to:

- Collecting information on COOPEUS resources & services
- Registering these resources at GEOSS CSR
- Using subset of the GEOSS CSR as „COOPEUS registry“
- Preparing test case for GEOSS portal
- Cooperation with GEOSS SIF (Standards and Interoperability Forum) group
- Follow-up on GEOWOW activities

In this facilitated discussion, we consider pros and cons of our future involvement with GEOSS; the following viewpoints were raised in the discussion:

Current state of collaboration:

- COOPEUS has initiated the use of GEOSS services within its consortium. However, the collaboration between COOPEUS and GEOSS goes both ways and therefore Siri Jodha Khalsa will be reporting to GEOSS about COOPEUS activities.

Concerns from the audience:

- Concerns were raised about the sustainability of GEOSS. In response, it was reported that GEOSS current business plan runs until 2025.
- EPOS, a COOPEUS partner and a participating organization in GEOSS, shared their experience about GEOSS saying that it is a matter of priority as participation in GEOSS costs efforts and funds. However, in general the costs are low, but maybe not the efforts.
- Funds will be needed to expand the collaboration with GEOSS and this could be an independent project in itself or a prioritized work task for a project with a broader scope.
- It was mentioned that currently the impact of GEOSS on data sharing is not as expected, but on the other hand there are no other global initiative with better impact.
- For COOPEUS involvement in GEOSS also speaks that the EC supports GEOSS

In conclusion, COOPEUS as a consortium will continue to explore the opportunities in an increased collaboration with GEOSS and the COOPEUS management can provide guidance should individual RIs decide to become a GEOSS participant.

As a result of our increased collaboration with GEOSS, a Hands-on Workshop for registering and accessing COOPEUS Research Infrastructures through the GEOSS Common Infrastructure (GCI) are

planned to take place July 1-2, 2014 at MARUM, Bremen, Germany. The main goal is to foster the use of the GCI by getting data managers of the COOPEUS research infrastructures involved. The workshop will be carried out as a hands-on exercise registering resources of the COOPEUS RIs with the GCI and then demonstrating the benefits achieved thereby. This process will provide valuable feedback to the operators of the GCI and to our team.

Funding strategy

In a closed forum restricted to COOPEUS partner representatives, the future funding opportunities for COOPEUS beyond 2015 was discussed in light of upcoming calls from on Belmont forum and H2020.

COOPEUS will seek influence on the preparation of the future calls regarding environmental RIs connectivity and sustainability through a.o. the Belmont Forum. The first deadline for seeking influence on the Belmont forum initiatives is September 2014, when the Belmont Forum steering committee must submit an intermediate report setting the guidelines for 2015 Calls.

COOPEUS has plans to engage in H2020 INFRASUPP-6-2014. The deadline for proposal submission is 02 Sep 2014. At the next COOPEUS steering committee meeting (in June), a task force for a H2020 proposal shall be installed.

Vision for continuation of COOPEUS beyond 2015:

In preparation for both Belmont forum, H2020 and other initiatives, a “vision”-task force was established with the goal of defining the vision for COOPEUS beyond 2015.

The task force members are: Ari Asmi (FMI), JD Paris (CEA), Hank Loescher (NEON) and Mairi Best (EMSO)

The following Keywords were produced as a guideline for the work of the vision task force.

- A significant part of the vision should be (=strategic plan) ... to remove technical and sociological barriers separating scientists from data resources and their understanding across the globe and thereby provide access to Information/knowledge for addressing global grand challenges including interdisciplinary and multidisciplinary collaborations.
- Knowledge-base (general concept including archiving, processing, distribution of data).
- Elaboration on the internationalization of RIs (in terms of design, usage, collaborations etc.)
- COOPEUS RIs can mentor early-stage developing RIs in regards to coordination of governance-aspects in a transatlantic view and beyond.
- COOPEUS should take a user-directed approach to connecting RIs.
- COOPEUS should consider expanding the scope (transatlantic connection of RIs) to include other countries such as Australia.
- COOPEUS should consider engaging the private sector such as Google, Microsoft etc.
- Well-defined use-cases should be part of the future COOPEUS strategy

A “COOPEUS vision task force”-Telcon was held 19.05.2014 at 16:00