

Proposal for the future cooperation of CALIPSOplus with other Research Infrastructure Consortia in Europe

Situation

In the CALIPSOplus description of action which is part of the CALIPSOplus Grant Agreement the intention of the consortium to interact with other Research Infrastructure consortia in Europa has been expressed, thereby focusing in particular on analytical facilities. The motivation is

- to advance the implementation of the European Research Area
- to share experience and best practice
- to avoid duplication of efforts
- to realize harmonization of processes and procedures
- to collaborate on common goals

To this end, interested consortia facing similar challenges and, at least partly, targeting the same goals as CALIPSOplus, are envisaged to be invited to join the annual meetings as observers. As most prominent partners, other consortia of light sources, i.e. LaserLab Europe, ELI and EUCALL, are being identified.

At the first Annual Meeting of CALIPSOplus at ALBA on May 16th -18th, 2018 a specific session had been scheduled to stimulate the exchange of ideas on a prospective future collaboration. To this end the following consortia had been invited

- Laserlab-EUROPE
- NFFA
- INEXT
- EUSMI
- EUCALL
- SINE2020
- ELI-DC
- EMFL
- CERIC-ERIC
- FELs of EUROPE
- NMIstar
- RADIATE

to join the first day of the annual meeting, to introduce themselves including potential already existing suggestions for future cooperation and to enter into a discussion. The aim was subsequently to critically and realistically evaluate the proposals for cooperation and the common challenges and goals which have been identified and to deduce a suggestion for promising partners and for the format of a future collaboration with them. In doing so, the right balance must be found between excluding nobody that should be in and avoiding reaching a size of the annual meetings that renders fruitful discussions impossible and induces costs exceeding the available budget.

Outcome of the session in the framework of the first annual meeting at ALBA

The feedback on the invitation was extremely positive. Seven of the twelve invited consortia were able to send a representative, ELI-DC positioned themselves in an extensive phone call with the project management, the slides provided by two consortia (CERIC-ERIC/ ACCELERATE and RADIATE) were presented by meeting participants and the person supposed to present NMIstar and SINE2020 had to cancel his participation due to illness.

It was the common understanding that collaborating on common challenges and goal and staying in contact to enable identifying newly emerging challenges which should be tackled jointly, would absolutely make sense.

The following specific topics of potentially common were suggested by the representatives of the respective communities

- Synchronized proposals, offering the possibility for users to suggest simultaneously to use NFFA and CALIPSOplus facilities
- Data management, establishment of Data Management Plans (iNEXT); Metadata Standard for soft matter (EUSMI)
- Cooperation with *CR Competences* bridging between industry and RIs (EUSMI; Remark by CALIPSOplus management: *CR Competences* is member of CALIPSOplus IAB); Technology transfer, collaboration with industry in general, EARIV¹ (ELI, RADIATE)
- Support program for young students to participate in conferences; transdisciplinary, fostering gender balance (EUCALL)
- Grants for young researchers to join groups during granted beamtimes (EUCALL) ~ Twinning program, outreach to Widening Countries (ELI, RADIATE)
- European User Offices Meetings (CALIPSOplus, ELI), management of user access in general (ELI)
- JETO (CALIPSOplus)
- Reinforce socio-economic impact (ACCELERATE)
- Outreach to/ schools in Widening countries (ACCELERATE)
- Beamline scientists' Roundtable, „Beamline scientists meet users“ (FELs of Europe)

Format of a future interaction with consortia of European research infrastructures

The format of any future interaction of CALIPSOplus with the other consortia and networks of analytical facilities in Europe shall remain very flexible, i.e. adjustable to the particular relation and for the appropriate duration. Interactions are expected to be a partnership of equals with CALIPSOplus expecting a similar initiative to have CALIPSOplus being involved in an appropriate way into the activities of the partnering consortia.

The general lines along which future collaborations may be defined are

- regular participation in the annual meetings including the meetings of the General Assembly as an observer, i.e. as a participant invited to contribute own views but without voting rights.
- Cooperation on specific topics such as user access, user offices meetings, workshops for technicians etc. by collaborating in the framework of the respective workpackage, participating in working group meetings and telcos. Depending on the particular interest this collaboration could also be limited in time (e.g. preparation of a specific user offices meeting).
- Interested party, i.e generally interested in the activities of CALIPSOplus, open to provide feedback on a subject of common concern or to team up in order to reach a critical mass essential for being able to transmit a statement or a position to the EU.

Topical cooperation partners and interested parties receive the agenda for the annual meeting and may ask for being invited if there are agenda topics of particular interest to them. The coordinator

¹ European Analytical Research Infrastructures Village (<https://www.eariv.com>)

forwards such requests to the Executive Board by email. If at least two thirds of the EB members do not object within 8 calendar days the request is considered as approved and a representative of the requesting consortium is invited to join the annual meeting apart from the meeting of the General Assembly. Request for collaboration of one or several topics in the framework of one of the working groups are treated in the same way.

Specific provisions

Laserlab Europe, FELs of Europe, EUCALL and ELI-DC (prospectively ELI-ERIC) being consortia/networks of light sources as CALIPSOplus shall be invited to join CALIPSOplus as observers. They shall be offered to join the annual meetings including the meeting of the General Assembly as non-voting members. Cooperation between CALIPSOplus and EUCALL on wayforlight has already been ongoing in the framework of NA1 since the project start of CALIPSOplus. Even so EUCALL will stop to exist as an EU project starting from September 2018, the collaboration having been very fruitful the consortium decided to continue collaborating in future as "EUCALL forum", based on own funds and a MoU to be set up and signed during summer 2018. The legal structure creating the tie will then be very similar to the one of the FELs of Europe network which includes all CALIPSOplus partners operating a FEL. ELI is partner in both, LaserLab Europe and EUCALL and the data sheets of the ELI facilities are displayed on wayforlight. In addition, it is involved in EARIV. Several CALIPSOplus partners are also partners in EUCALL and in LaserLab Europe. So obviously there are already close ties between these consortia.

SINE2020 and CALIPSOplus share the same Industry Advisory Board. In addition, the two projects are very closely collaborating in the framework of NA3. In these activities SINE2020 is represented by the Helmholtz-Zentrum Geesthacht which is an Associated Partner in CALIPSOplus. In this way SINE2020 ex officio has the status of an observer in the meetings of the General Assembly and is participating in the Annual Meetings.

The collaboration between the communities of accelerator-based light sources and neutrons dates back to the beginning of the PaNdata initiative (<http://pan-data.eu/pandata/?q=PaNdataODI>) in 2008 in the framework of which the two communities joined forces to develop a joint data infrastructure. The collaboration between the communities is ongoing also in the Umbrella initiative (<https://umbrellaid.org/>) and in this way in the frameworks of NA1 as far as data management is concerned and JRA2. If the NMIstar proposals submitted in March 2018 will be retained for funding, it will be a logical step to inviting this consortium to join the Annual meetings and the meetings of the General Assembly as observers.

With *CR Competences* simultaneously being project partner in EUSMI and member of the Industry Advisory Board, it shall be invited to collaborate with NA3. Working on the establishment of a meta data standard for soft matter it might also collaborate on the data management-related task in NA1. Collaboration with CERIC-ERIC in the framework of the project ACCELERATE has been started with members of NA2, more specifically on the schools to be organized in countries of Eastern and South-Eastern Europe barely using the large user facilities in Europe. The first step towards the co-organization of a school combining education on synchrotron use with courses on the use of the other analytical facilities constituting the portfolio of user facilities offered by CERIC-ERIC has been taken.

Interesting starting points for collaborations have been indicated in particular also by NFFA and by iNext pointing to cooperation also with NA1. NA1 will investigate their viability also in view of the

further enlargement of the portfolio of activities of NA1 which they would implicate and the available manpower.

All consortia and networks which had been invited to the workshop in the framework of the 1st annual meeting of CALIPSOplus will be considered as interested parties as long as appreciated from their side.