

25.1.2019 BIC Collaboration Meeting Memo, CERN

Participants

Antti Onnela, CERN
Antti Stenvall, Tampere University
Antti Väihkönen, Helsinki Institute of Physics
Ari-Pekka Hameri, University of Lausanne / HIP
Esa Rahtu, Tampere University / HIP
Harri Toivonen, CERN Ideasquare / HIP
Jan Kolkkinen, Tampere University
Jani Kalasniemi, CERN Ideasquare
Juha Aaltonen, Helsinki Institute of Physics
Jouni Partanen, Aalto University (remotely)
Katri Huitu, Helsinki Institute of Physics
Markus Aicheler, Helsinki Institute of Physics / CERN
Matti Vilkkö, Tampere University
Panja Luukka, Helsinki Institute of Physics
Pietari Kauttu, Helsinki Institute of Physics / CERN
Roel Pieters, Tampere University / HIP
Sakari Karppinen, Business Finland (remotely)
Saku Mäkinen, Helsinki Institute of Physics / CERN BIC (remotely)
Santeri Palomäki, CERN Ideasquare
Taina Onnela, University of Helsinki
Tuija Karppinen, University of Helsinki

Opening the meeting.

Saku Mäkinen from Tampere University opened the meeting and warmly welcomed all participants. Saku explained the Finnish CERN BIC goals and what kind of projects and activities the BIC supports. Meeting agenda & goals were explained by Pietari Kauttu from CERN / HIP.

Co-Creation and Co-Innovation Funding

Mr. Sakari Karppinen from Business Finland presented the Co-Innovation funding instrument. Key points:

- Co-Creation funding DL extension can be granted, written application in online service required: “Change Request”
- In principle three Finnish company partners needed for Co-Innovation (two need to have a BF funded project). Foreign company partners bringing valuable KT elements into project a positive aspect in view of project evaluation.
- No predefined budget limits for Co-Innovation. Typical “small” projects in the range of € 2-5 m, larger ones up to € 20 m.
- Companies can join the Co-Innovation projects in a flexible manner (but always subject to project steering group agreement)
 - o New companies can join running projects
 - o Company projects can be shorter or longer than the research project
- Subcontracting possible with CERN/other labs/international partners
- Mr. Sakari Karppinen the primary contact at BF end with regards to all CERN related R&D&I project matters (for companies, also the account responsible needed in the comms loop, but Sakari establishes the relevant internal comms loops at BF end)

- Tricks of the trade when preparing Co-Innovation proposal: start early, be aware of mismatch between the research program and company R&D&I project goals, to try and avoid late stage dropout.

TAU-CERN

Robotics and AR project activities were presented by Esa Rahtu and Roel Pieters from Tampere University.

ESKLUSTERI

Springboard from Ecosystem to European Applied Superconductivity Cluster was presented by Antti Stenvall. Workshop on this project will be arranged on 12th of February in Tampere, more info available at www.sct2019.fi

DEACT – Data center’s Energy Demand Response

Project outline and goals were presented by Matti Vilkkko from Tampere University.

Sensors

Starting point for a co-creation project in Sensor development for experiments were presented by Panja Luukka from Helsinki Institute of Physics.

AMMDA - Advanced Mechanics and Materials for Detectors and Accelerators

Markus Aicheler from Helsinki Institute of Physics presented the starting point for AMMDA - Advanced Mechanics and Materials for Detectors and Accelerators. Co-creation project submission is expected to be submitted in the upcoming weeks.

Actions Agreed

- **Pietari & Harri**, send a skeleton about a common article about the project portfolio preparation (goals of projects, types of partners PIs are looking for...)
- **Pietari** contacts Juha Purmonen from Photonics Finland in view of a joint event to activate semiconductor industry & scope Panja’s project
- **Esa & Roel, Antti, Matti, Markus, Panja** (pls copy the money man Antti Väihkönen too): send info to BIC Team (Harri, Jan, Pietari, Saku & Santeri) about what support need & want respectively for their projects. Please communicate the resourcing you are willing to invest too.
- **Harri, Jan, Pietari, Saku & Santeri**: Ask around for feedwork resource for Panja in order to map the SoA of Finnish semiconductor industry. Likewise for Markus in view of mapping the FI industrial SoA in the field of lightweight mechanics & materials.
- **Sakari**: Sends the infos about funding rate rules (60/70 %)
- **Pietari**: Informs TEK about whether the PIs wish to eventually organize a common outreach seminar (hosted by TEK spokesperson, Daniel Valtakari).
- **Pietari**: Sends all the current Big Science field company contact list (pls be aware of GDPR when using/further distributing the list)