

EUCALL Kick Off Meeting 29 - 30 October 2015

Venue: CFEL Building, DESY
Notkestraße 85, 22607 Hamburg, Germany

In total, 64 participants registered at the meeting, and the Plenary Session containing presentations introducing EUCALL and its Management were attended by all. European XFEL's director opened the meeting while Thomas Tschentscher, the EUCALL Project Director welcomed the participants with an overview of EUCALL and its major tasks and objectives. He was very happy to launch the project and expressed his satisfaction that so many of the project partners had attended. A presentation outlining Management and Dissemination was also presented by the project coordinators Deike Pahl and Graham Appleby. There was also a 20 minute questions and answer session with the audience.

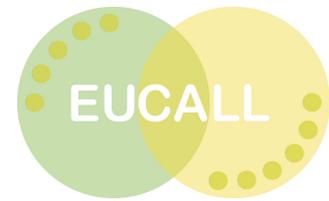
The Participants divided into parallel sessions for their separate Work Packages (WPs), which involved presentations and discussions about the current status of each of the RIs, and to screen the existing methods with respect to the defined tasks and objectives of each WP.

Following the first WP session on Thursday 29 October, 39 of the participants attended a tour of the construction site of the European XFEL Facility in Schenefeld, which included a presentation about the facility. Afterwards all of the participants reconvened at the Meeting Dinner (20:00 – 22:30) where they were seated according to their WPs, to stimulate personal connections for ease of collaboration.

On Friday 30 October, the participants attended the second parallel WP sessions, to discuss the future plans for completion of their defined EUCALL tasks and objectives.

The participants reassembled into a final plenary session in which the WPLs summarized their individual WP sessions to the entire group:





WP3 – Synergy of Advanced Light Sources:

It was explained that a large part of the discussion had been dedicated to a definition of the actual tasks of the to-be-established Synergy Board (SB) and the way in which the actual tasks and objectives will be performed and completed. It was decided that the WP Leader and Co-leader (WPL and WPC) would prepare a report to specifically define the requirements and tasks for the SB, before nominations for SB members can be made. Employees hired for WP3 (Graham Appleby from XFEL.EU and N.N.s from ELI-NP) will perform the investigations and information collection and analysis as directed by the SB.

WP4 – Simulation of Experiments

The WPL emphasised that the WP4 members represented a diverse range of experts in many important fields of simulations, which shows great promise for the completion of the WP4 tasks, and that the discussions were held with a very positive mood for the collaboration. In an overview of the steps required to produce the required simulation of experiments, a plan was outlined to link together the previously existing work from each RI to complete EUCALL's tasks and objectives. One of the important outcomes was that the integration of scattering simulations into beam transport simulations can be realized by defining proper interfaces between these simulations, thus leading to a well-organised road map to realize the goals of the WP.

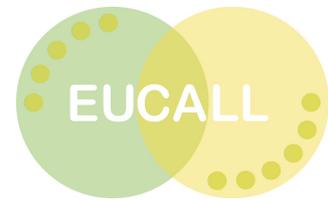
The WP4 members organised a concrete plan for their next steps in 2016, including the organisation of face-to-face meetings, and video conferences, as well as the creation of mailing lists.

WP5 – Ultrafast Data Acquisition

The WPL reported that the WP5 discussions were very intense and fruitful and that they have identified the most important and pressing demands on the hardware and software concerning performance and scalability for the applications of the various partners. It was found that most of the WP members were experts in one or two aspects of ultrafast data acquisition, so it will be very beneficial to organize workshops in experience exchange to broaden the expertise of the other WP5 members.

The WP5 members discussed each of their three WP tasks, established the required next steps for follow-ups and plan for a meeting in Feb 2016 in preparation for the upcoming Milestone MS7/MS5.1 in March 2016.





WP6 – High Repetition Rate Sample Delivery

The WPL welcomed the fact that under EUCALL the two distinct FEL and Optical Laser communities have come together and are well represented in WP6. The WP goals were summarized and the contribution of each RI to the workflow was outlined. The short term plan for Deliverable D6.1-D6.4 was established, as well as the long term plan for D6.5-D6.8. Milestone MS2 / MS6.1 (specification for sample holder and sample stages) is due in Dec 2016 and the WP6 members plan a tele-conference in preparation for this.

WP7 – Pulse Characterisation and Control

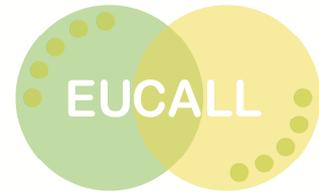
The WPL reported that WP7's members discussed their expertise and the WP tasks, and that well organized approaches for the tasks and deliverables were able to be established during the WP sessions. Several aspects of collaboration, partly exceeding what had been described in the proposal, have been raised and found large interest by the participants. Two schemes for radiation detectors were presented, and it was noted that several of the partners could also contribute their expertise to tasks in which they had not originally been involved. It was also recognized that WP7 would benefit from a stronger participation of the various ELI groups.

WP7 members identified their comfort with the defined Milestones and have already scheduled four face-to-face meetings of WP-sub-groups. They developed ideas for experimental campaigns at each RI and concluded that the WP sessions were very successful and fruitful.

Summary

The participants gave very positive feedback after the meeting and the WP summaries indicate very lively and constructive discussions. From the coordinators' point of view the Kick-off was very successful in achieving a first and important contact amongst the participants coming from different communities with so far little overlap. This cross-community linking is an important asset for the execution of the EUCALL project. Finally, at 14:00 on Friday 30 October, EUCALL's steering committee met for a two hour meeting at European XFEL.





EUCALL Kick-off Meeting **29 - 30 October 2015**

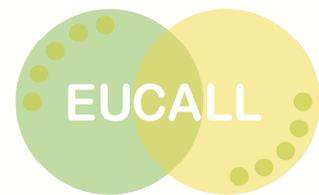
Venue: CFEL Building (Building 99), DESY
Notkestrasse 85, 22607 Hamburg, Germany

Thursday 29 October 2015

Time	Programme
13:00	Registration (coffee and snacks provided)
14:00	<i>Welcome note by European XFEL – M. Altarelli / European XFEL</i>
14:15	<i>EUCALL – Overview and goals – T. Tschentscher / European XFEL</i>
15:00	<i>Administrative procedures – D. Pahl & G. Appleby / European XFEL</i>
15:30	Coffee Break
16:00	<i>Work package meetings: Part 1 - Establishing the status & expectations</i> In these sessions the status, existing know-how, and requirements at partners to the respective WP shall be presented by the partners to form a common knowledge basis about the status and requirements of each partner. In addition, relevant project external developments shall be addressed. WP3 – SYNERGY <i>Seminar Room SI</i> WP4 – SIMEX <i>Seminar Room SII</i> WP5 – UFDAC <i>Seminar Room SIII</i> WP6 – HIREP <i>Room O1.024</i> WP7 – PUCCA <i>Room O1.060</i>
18:00	Departure for European XFEL site visit and dinner
20:00	Dinner at Restaurant Fischclub Blankenese Strandweg 30a, 22587 Hamburg



This project has received funding from the *European Union's Horizon 2020 research and innovation programme* under grant agreement No 654220



Friday 30 October 2015

Time	Programme
09:00	Work package meetings: Part 2 – Defining projects and goals In these sessions the partners shall present details about their plans to execute their tasks in the respective WP. In particular, the various steps, common goals, joint and synergetic activities amongst different partners shall be discussed. Preparation of slides for final plenary session including a brief overview of the WP goals and targets. WP3 – SYNERGY <i>Seminar Room SI</i> WP4 – SIMEX <i>Seminar Room SII</i> WP5 – UFDAC <i>Seminar Room SIII</i> WP6 – HIREP <i>Room O3.112</i> WP7 – PUCCA <i>Room O2.068</i>
11:00	Coffee Break
11:30	Summaries from work package meetings – WP leaders
12:45	Conclusions and farewell – T. Tschentscher / European XFEL

Only for EUCALL steering committee members:

Steering Committee Meeting 30 October 2015

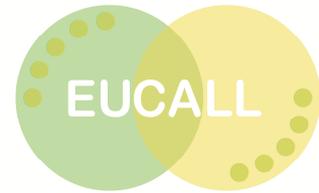
Venue: Room 3.11, European XFEL
Albert-Einstein-Ring 19, 22607 Hamburg, Germany

Friday 30 October 2015

Time	Programme
13:30	Lunch
14:00	Meeting of the EUCALL Steering Committee



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EUCALL Work Package 4 - SIMEX
29 - 30 October 2015

Venue: Seminar Room SII, CFEL Building, DESY
Notkestrasse 85, 22607 Hamburg, Germany

Thursday 29 October 2015

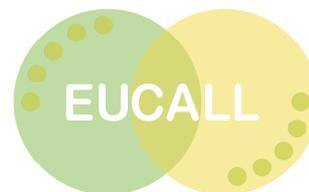
Time	Programme
16:00	<i>Welcome note – A. Mancuso / European XFEL</i>
16:10	<i>Probing Laser-Plasma Interactions with XFELs – M.Bussmann / HZDR</i>
16:25	<i>Research activities of PPG at ELI-ALPS – A. Andreev / ELI-ALPS</i>
16:40	<i>Simulation study of ELI-NP – S. Aogaki / ELI-NP</i>
16:55	<i>Single particle imaging in the simS2E framework – A. Mancuso / European XFEL</i>
17:10	<i>Virtual experiments in the Oasys environment – M. Glass / ESRF</i>
17:25	<i>Open Discussion</i>

Friday 30 October 2015

Time	Programme
09:00	<i>Coupling high power lasers to high brilliance x-ray facilities for dynamic compression studies – S. Pascarelli – ESRF</i>
09:15	<i>Follow the light: In situ photon scattering and radiation transport in particle-in-cell simulations – M.Bussmann / HZDR</i>
09:30	<i>Simulation plan of ELI-NP – S. Aogaki / ELI-NP</i>
09:45	<i>HPC infrastructure developments – F. Schluenzen / DESY</i>
10:00	<i>Research opportunities in a start-to-end photon simulation framework – C. Fortmann-Grote / European XFEL</i>
10:15	<i>Round-table discussion about strategies and joint efforts to achieve the work package milestones and deliverables</i>



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EUCALL Work Package 5 - UFDAC 29 - 30 October 2015

Venue: Seminar Room SIII, CFEL Building, DESY
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Thursday 29 October 2015

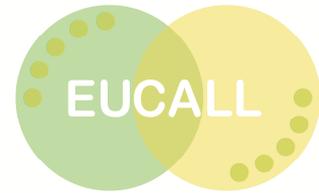
Time	Programme
16:00	<i>Welcome note – P. Gessler / European XFEL</i>
16:10	<i>UFDAC: Demands – K. Nelissen / ELI-HU</i>
16:30	<i>Online data processing at ELI-NP: Status – F. Rotaru / ELI-NP</i>
16:50	<i>ESRF background to UFDAC – N. Janvier / ESRF</i>
17:10	<i>Online fitting and PET reconstruction at HZDR – M. Bussmann / HZDR</i>
17:30	<i>Status of Jungfrau a dynamic gain switching detector system – A. Mozzanica / PSI</i>
17:50	<i>Overview of FPGA related developments at European XFEL – B. Fernand / European XFEL</i>

Friday 30 October 2015

Time	Programme
09:00	<i>UFDAC: Demands – K. Nelissen / ELI-HU</i>
09:20	<i>Online data processing at ELI-NP: Needs – F. Rotaru / ELI-NP</i>
09:40	<i>ESRF preliminary plans for UFDAC/WP5.2 – N. Janvier / ESRF</i>
10:00	<i>A toolset for fast, distributed data analysis – M. Bussmann / HZDR</i>
10:20	<i>Towards online conversion of dynamic gain switching detector data – B. Schmitt / PSI</i>
10:40	<i>Online processing of digitizer data at XFEL – H. Sotoudi Namin / European XFEL</i>



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EUCALL Work Package 6 - HIREP 29 - 30 October 2015

Venue: Room O1.024, CFEL Building, DESY
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Thursday 29 October 2015

Time	Programme
16:00	<i>10Hz solid sample changer for UHV and automatic hit finding – C. Deiter / European XFEL</i>
16:20	<i>UHV fluorescence microscope and sample exchange – A. Meents / DESY</i>
16:40	<i>Target tower and thin foil positioning system at ELI-BL – T. Wiste / ELI-Beamlines</i>
17:00	<i>From DRACO to HIBEF: target systems for high repetition rates – I. Prencipe / HZDR</i>
17:20	<i>ELI-NP Targetry requirements, status and development plans – M. Gugiu / ELI-NP</i>
17:40	<i>The new MAX IV beamlines and plans for HIREP experiments – T. Ursby & R. Appo / Lund University</i>

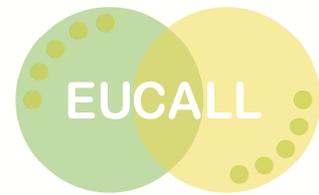
Friday 30 October 2015

Venue: Room O3.112, CFEL Building, DESY

Time	Programme
09:00	<i>Defining projects and goals – J. Schulz / European XFEL</i>
09:10	<i>Defining projects and goals – D. Margarone / ELI-Beamlines</i>
09:20	<i>Defining projects and goals – A. Meents / DESY</i>
09:30	<i>Defining projects and goals – I. Prencipe / HZDR</i>
09:40	<i>Defining projects and goals – M. Gugiu / ELI-NP</i>
09:50	<i>Defining projects and goals – T. Ursby & R. Appo / Lund University</i>
10:00	<i>Open Discussion</i>



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EUCALL Work Package 7 - PUCCA **29 - 30 October 2015**

Venue: Room O1.060, CFEL Building, DESY
Notkestrasse 85, 22607 Hamburg, Germany

Thursday 29 October 2015

Time	Programme
16:00	<i>Welcome note – K. Tiedtke / DESY</i>
16:10	<i>Status of and expectations from PUCCA – K. Tiedtke / DESY</i>
16:20	<i>Status of and expectations from PUCCA – C. Bressler / European XFEL</i>
16:30	<i>Status of and expectations from PUCCA – M. Zangrando / ELETTRA</i>
16:40	<i>Status of and expectations from PUCCA – J. Andreasson / ELI</i>
16:50	<i>Status of and expectations from PUCCA – E. Ziegler / ESRF</i>
17:00	<i>Status of and expectations from PUCCA – M. Gensch / HZDR</i>
17:10	<i>Status of and expectations from PUCCA – P. Juranic / PSI</i>
17:20	<i>Open Discussion / Creating a Common Knowledge Basis (part 1)</i>

Friday 30 October 2015

Venue: Room O2.068, CFEL Building, DESY

Time	Programme
09:00	<i>Review of the sub-work package plans and discussion on joint activities</i>
10:20	<i>Open Discussion / Creating a Common Knowledge Basis (part 2)</i>
10:40	<i>Organizational issues / Draft Summary for Plenary Session</i>



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