



PaN-data ODI

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PaNdata ODI 1st Open Workshop

Dublin 24-25/28th of March 2014

Co-located with the RDA 3rd plenary at Croke Park

<https://indico.desy.de/event/1stow>

Summary

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Nature	Report

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Abstract

The 1st PaNdata ODI Open Workshop was held as a series of three tightly connected workshops at the RDA 3rd plenary in Dublin. Two workshops on key-elements of the PaNdata collaboration were co-located events whereas the Photon and Neutron Science Interest Group (PaNSIG) was a PaNdata organized genuine RDA meeting.

ICAT workshop

The ICAT meeting took place co-located with RDA at Trinity College with roughly 40 participants (the room was full!) mostly from the PaNdata collaboration and notable participation from colleagues in the US, namely from Oak Ridge National Laboratory.

The workshop was held in a good and very constructive manner, with a number of presentations on new features and tools providing a larger flexibility of ICAT. Organizational matters have been presented and discussed, in particular in view of a more structure governance model for the ICAT collaboration. The status and roadmap presentations were largely accepted with very minor exceptions. More details about the meeting can be found on the ICAT project pages¹. A booklet of all presentations and list of participants can be found on the PaNdata site.

Umbrella harmonization meeting

The 6th PaNdata & CRISP harmonization meeting took place right after the ICAT workshop with 28 registered participants and a few more that stayed on from the ICAT workshop.

The meeting covered the basic Umbrella functionalities and tools to enhance the functionalities with user friendly interfaces updating personal information as well as the affiliation database who aims to provide a common, unique registry of users' facilities.

Tools for issue handling and operational topics have been discussed. In particular, the current and final version of the Memorandum of Understanding (MoU) has been presented and is not under revision but the legal departments of the individual facilities for future implementation.

Most recent developments for Umbrella extensions towards data management and access to compute resources have been presented. The work on the moonshot-umbrella integration in collaboration with NRENs Janet & Switch/edugain is well progressing. First prototypes have been implemented. Likewise a basic Umbrella authentication module for ICAT has meanwhile been developed, which eases the federation of ICAT catalogues.

More details can be found on the meeting page. A booklet of all presentations and list of participants can be found on the PaNdata site.

¹ <http://icatproject.org/collaboration/communication/face-to-face-meetings/dublin-2014/>

PaNSIG meeting

The 1st PaNSIG meeting was held in two sessions in the 26th and 28th of March. The meeting was a genuine PaNdata ODI event at the RDA 3rd plenary. For each session we had around 30-35 participants. In total, 41 registered either in the meeting or before, and a number of visitors who didn't register at the meeting, so a total of roughly 50 participants. Quite a number of participants were from outside the PaNdata collaboration including colleagues from the US, from Australia and European research institution and organizations currently not involved in our activities.

During the PaNSIG meeting we had several very interesting presentations covering different areas of data management issues, with quite a number of collaborative aspects. That was particularly fruitful since the RDA plenaries provide an excellent platform to promote collaborations and consequently best practices and standards.

Part of the activities were focusing on the involvement with other interest and working groups at the RDA. There was in particular an active exchange between PaNdata and the interest groups on structural biology, the materials IG – both representing PaNdata user communities – and the federated identity IG.

PaNdata members are actively involved in these IGs as well as a number of RDA working groups.

During the PaNSIG meeting the chairs of the IG have been elected. Designated chairs of the IG are

- Brian Matthews, STFC/UK
- Amber Boehnlein, SLAC/US
- Frank Schluenzen, DESY/DE
- Thomas Proffen, ORNL/US

The chairs will hold teleconferences at irregular intervals (about once a month) using the timeslots and infrastructure of the Open Technical Forum (see below).

At the PaNSIG meeting a number of actions had been agreed on:

- **Next meeting:** we aim to hold the second PaNSIG meeting as an extended event co-located with the RDA 4th plenary in Amsterdam in September. The scope of the meeting will be extended to include IGs and WGs on scientific data formats.
- **Open Technical Forum:** the OTF is a platform for knowledge exchange of more technical topics particularly relevant for the P&N communities. It was commonly agreed that a larger, common effort should be made for the OTF and all agreed that each facility will contribute/organize (at least) two presentations per year.
 - each facility will name a contact/organizer.
 - chairs will collect facility contacts and select a suitable platform and time slot for OTFs.
 - weekday of OTF should be fixed (where possible). The exact time might shift depending on timezone of the speaker to be able to also permit participants of colleagues in Asia or Australia.
 - talks should be recorded and made available.

- Advanced Computing for Photon & Neutron Sciences
 - it has been proposed to organize a conference focusing on advanced computing (e.g. HPC) maybe bi-annual as a complementary addition to nobugs. Though the enthusiasm was rather limited, such an event will be organized as an extension to the CHEP 2016.
- User Counting
 - PaNdata has originally pursued a survey on common users among the European facilities. The [results](#) and [procedure](#) can be found on the [PaNdata web](#).
 - It was proposed to extend the survey to include non-European facilities.
 - In a first step we aim to collect data for the original survey and later on conduct the same experiment with an extended scope. Any additions are highly welcome!
- HDF5 special interest group
 - It was suggested to establish a HDF5 special interest group with RDA. Finally, HDF5 is one of the most widely used standards with a high level of interoperability with e.g. CIF.
 - The aim of the interest group is to involve developers, users, industry (detector and software vendors) to establish common requirements, collaborations and joint funding of developments.
 - Eugen Wintersberger will initiate contacts with HDFgroup, Dectris, CIF community.
 - We will draft a case statement for the group and organize a meeting as part of PaNSIG at the 4th plenary.
- Market-Place and Future collaborations
 - Discussions about a possible market place for larger collaborations (particularly on developments seeking for joint efforts or funding) were not conclusive. Will follow that up at later meetings.

Conclusion

All three parts of the workshop have tightened the co-operations within the PaNdata collaboration. Particularly the RDA PaNSIG event has broadened and intensified the collaboration with facilities in the US and Australia; user communities of the Photon and Neutron Science domain as well as organizations like HDFgroup or DataCite.

A number of actions have been taken to keep and extend platform for knowledge exchange between facilities and user communities worldwide, namely the Open Technical Forum and the envisaged “Advanced Computing Workshop for Photon and Neutron Science”, which is currently being investigated to be held together with the CHEP 2016.

List of participants

Participant	Affiliation	Country	ICAT	Umbrella	PaNSIG
ABT, Björn	PSI	CH		+	
APLIN, Steve	DESY	DE			+
ARORA, Kunal	STFC	UK	+		+
ASHTON, Alun	DLS	UK			+
BANCI, Lucia	Univ. Firenze	IT			+
BERTINI, Silvia	EU XFEL	DE		+	
BICARREGUI, Juan	STFC	UK	+	+	+
BOEHNLEIN, Amber	SLAC	US			+
CHEN, Yin	Cardiff University	UK			+
CHUNG, Wayne	ISIS	UK	+		+
DIMPER, Rudolf	ESRF	FR	+	+	+
FARQUHAR, Adam	DataCite	UK			+
FIELD, Laurence	CERN	CH		+	
FISHER, Steve	STFC	UK	+	+	
FLANDERS, Dean	FMI	CH		+	
GRIFFIN, Tom	STFC - ISIS	UK	+	+	+
GÜLZOW, Volker	DESY	DE			+
HERRENDÖRFER, Dietmar	HZB	DE	+	+	+
JEKAL, Thomas	KIT	DE			+
JONES, Bob	CERN	CH			+
JONES, Jeremy		UK	+		
KETHEN, Stefanie	ANDS	AUS			+
KRAHL, Rolf	HZB	DE	+	+	+
KRACHT, Thorsten	DESY	DE	+	+	+
LARSSON, Krister	MAXLAB	SE	+	+	+
LEPIMPEC, Frederic	EU XFEL	DE	+	+	
LOPEZ, David	ALBA	ES	+	+	+
MAFFEY, Andrew	WHOI	US			+
MCCARTHY, Joanne	ESRF	FR		+	
MILLS, Alistair	STFC	UK	+	+	+
MORRIS, Chris	STFC	UK			+
MULLER, Christian	B.USOC	BE			+
NORMAN, John	Univ. Cambridge	UK			+
PAETOW, Stefan	DIAMOND	UK	+	+	+
PEREZ, Antoni	ALBA	ES	+	+	+
PERRIN, Jean-François	ILL	FR	+	+	+
PORTE, Dominique	ESRF	FR	+	+	+

PRICA, Milan	ELETTRA	IT	+	+	+
PROFFEN, Thomas	ORNL	US			+
PULFORD, Bill	DIAMOND	UK	+	+	
RALPH, Adam	ICHEC	IR			+
RAMOS LERATE, Inmaculada	ALBA	ES	+	+	+
REN, Shelley	SNS	US	+	+	+
RAINEY, Jay	SNS	US	+	+	+
RESSMANN, Doris	ANKA	DE		+	+
RICHTER, Tobias	DLS	UK			+
ROSATO, Antonio	Univ. Florence	IT			+
SALVAT, Daniel	ALBA	ES	+	+	+
SAVOYET, Julien	ESRF	FR		+	+
SCHLUENZEN, Frank	DESY	DE	+	+	+
SMALL, Denise	STFC	UK			+
STOTZKA, Rainer	KIT	DE			+
TALAPDAY, Bhat	NIST	US			+
UNGER, Daniela	DESY	DE		+	
VAN DAALEN, Mirjam	PSI	CH	+	+	+
WALSH, John		IE	+		
WEYER, Heinz Josef	PSI	CH	+	+	+
WINTERSBERGER, Eugen	DESY	DE			+
YANG, Erica	STFC	UK	+	+	+

Materials

All slides have been collected into small “booklets”. They are available from the PaNdata ODI website.