# Status
Umbrella ID
Photon / Neutron community

Mirjam van Daalen

What are the present and upcoming user needs?

a. 40% of the users (40% of >30.000) do experiments at different facilities, transfacility access for users.
b. Acces to and management of experimental data.
c. Online entry mode: remote experiment access
d. Access to efficient data analysis tools.
e. Minimal administration load for users.
f. Remote file access.

At the end all this needs a unique persistent user identification to have unified access to these tools.

How does it work?

Umbrella Characteristics
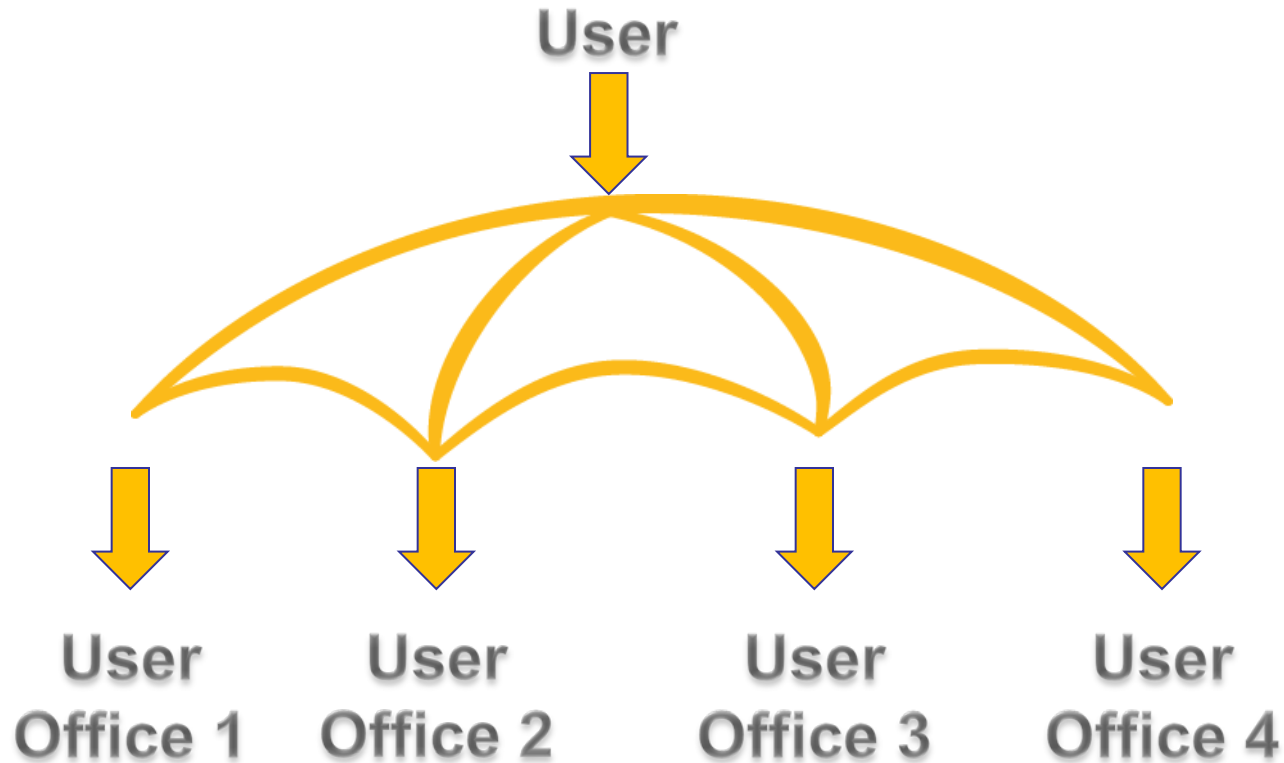
Concept
- Unique persistent Identifier on EU scale
- independent of the home institution
- life time account
- account owned by the user
- single sign-on
- no possibility for cross-facility information pull

Rely on existing local user office structure
- Great experience
- Do It Yourself operation by the user
- User offices: supervising; manage authorizations
- Principal investigators: have responsibility for their teams and can handle authorization within their group

Umbrella Characteristics

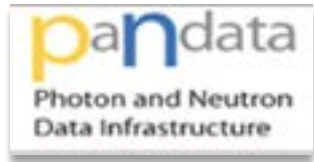**Authorisation is delegated to the systems participating in Umbrella**

- for highest grade of independence
- in heterogeneous environments
- no complicated trust relationships

MoU signed in March 2015 by 14 partners: DLS, Elettra, EMBL, HZB, KIT, PSI, ESRF, ALBA, SOLEIL,DESY, EU XFEL, ILL, STFC, INSTRUCT

In operation

1. Basic Umbrella https://umbrellaid.org/eu/

2. Geo DNS (server Umbrella distributed between 2 different facilities: and in the future 4 facilities)

Status of Service Provider deployment

Facility	Status	SP installed	WUO adapted	Production
ESRF	OK	OK	OK	OK
ILL	OK	OK	OK	OK
PSI	OK	OK	OK	OK
Elettra	OK	OK	OK	OK
ISIS	OK	OK	OK	OK
Diamond	OK	OK	OK	-
DESY	OK	OK	OK	OK
Soleil	OK	OK	OK	-
KIT	OK	OK	OK	-
MAXIV	OK	OK	OK	OK
ALBA	OK	OK	OK	-
Instruct	OK	OK	OK	OK
WayForLight	OK	OK	OK	OK
PaNdata software catalogue	OK	OK	OK	OK

Umbrella roadmap

| End PaNdata and CRISP 31.03.2014 30.09.2014 | MoU between partners March 2015 | Project end CALIPSO 31.05.2015 | Umbrella Collaboration | Future HZ2020 or other projects |

The different partners of the Umbrella collaboration work together in :

Steering Committee — Technical team — Development of Umbrella

- Decide on development and operational issues
- Define strategy
- Regular TelCo's
- Last meeting at PSI 23-24.11.2015
- Next meeting planned for June-July 2016

EuroFEL   CRISP   pandata Photon and Neutron Data Infrastructure   calipso way for light   nmi3

Facility	SC Member	TT member
Alba	Daniel Salvat	Daniel Salvat
DESY	Frank Schluenzen	Frank Schluenzen
Diamond	Bill Pullford	Bill Pullford
Elettra	Cecilia Blasetti	Fulvio Bille
EMBL	Clemente Borges	Clemens Borges
ESRF	Dominique Porte	Bruno Lebaye
EU XFEL	Kryzstof Wrona	Kryzstof Wrona
HZB	Florian Staier	Heiko Kreth
ILL	Jean-Francois Perrin	Jean-Francois Perrin
INSTRUCT	Callum Smith	Callum Smith
KIT	Doris Ressmann	Doris Ressmann
PSI	Mirjam van Daalen	Björn Abt
SOLEIL	Frédérique Fraissard	Idrissou Chado
STFC	Tom Griffin	Tom Griffin

**Chair SC Mirjam van Daalen
Chair TT Björn Abt**

EuroFEL FREE ELECTRON LASERS OF EUROPE CRISP The Cluster of Research Infrastructures for Synergies in Physics pandata Photon and Neutron Data Infrastructure calipso way for light nmi3

Next steps

1. **Update to Shibboleth 3 – planned for April 2016**
2. **Update Umbrella Website- April 2016**
   http://flowedback.github.io/
3. **Access to Umbrella via EduGain (Geant 3+, Switch)**
   - **Login with account home institution (Universities etc.)**
4. **Link of Umbrella to Moonshot (Geant 3+, Switch, non web based access)**
   - **Remote experiment access, access to machine consoles**
5. **Implementation of an attribute authority.**

Future projects

- Umbrella part of CALIPSOplus proposal Trans National Access program of Photon facilities. NA1 and JRA2

- Umbrella part of NEMO2020 proposal Trans National Access program of Neutron facilities.

- PANORAMIC proposal to EINFRA-22-2016 : User-driven e-infrastructure innovation

- AARC – collaborating and acting as pilot project

- PaNDaaS meeting 6-7 July 2016; prepare for future ICT calls

Thank you for your attention!