

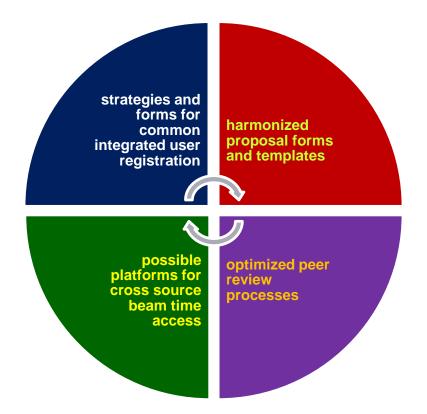


WP5 Integrated User Access

14 Oct 2015 | Thomas Gutberlet Jülich Centre for Neutron Science

Scope

To structure and harmonize an integrated access format to European national neutron and muon facilities for the scientific users



Task list:

- T5.2: Strategies and forms for common integrated user registration
- **T5.3:** Harmonized proposal forms and templates
- **T5.4: Optimized peer review processes**
- **T5.5:** Possible platforms for cross source beam time access

Output: Reports and software prototypes (D5.1-D5.8)

20112

Strategies and forms for common integrated user registration (Task 5.2, HZB)

- Technical and legal requirements for common NMI3 based single electronic user ID to access individual facility digital user
- Survey on existing comparable systems and report on requirements and framework for common data exchange (Report D 5.1)
- Software package prototype to handle integrated user registration.
 Best possible solution will be evaluated and established as a prototype. (Report 5.2)



Strategies and forms for common integrated user registration (Task 5.2, HZB)

Survey on existing comparable systems and report on requirements and framework for common data exchange:

- User Survey Proposal Procedures
- Reviewer Survey Proposal Procedures

Insight on the satisfaction and the needs of neutron users in terms of access management:

- favor of a harmonized proposal form and procedure
- favor of a unified entry point to get access
- like to share submitted proposal to several facilities

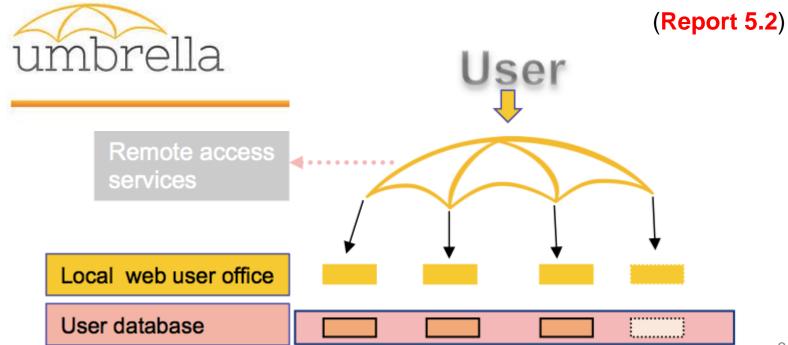
(Report D5.1)



TOALS

Strategies and forms for common integrated user registration (Task 5.2, HZB)

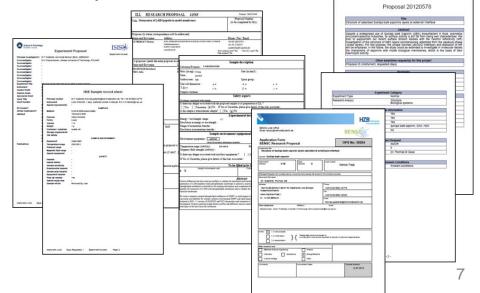
Software package prototype to handle integrated user registration. Best possible solution will be evaluated and established as a prototype



Mitglied der Helmholtz-Gemeinschaft

Harmonized proposal forms and templates (Task 5.3 PSI, HZB)

- Comparison of forms and templates of proposal submissions at existing DUO applications
- Harmonized proposal template adopted for the individual requirements and software prototype for possible implementation



Harmonized proposal forms and templates (Task 5.3 PSI, HZB)

Suggestion on harmonized proposal forms and appropriate templates

Proposer	Deserves			Functionant						
Proposer C		со-р	roposer	Experiment						
Prename Surname	Technical Part			F	-					
National	Instrument	Г				Safety				
Gender	Wavelength		Scientific Part			storage r	quirements			
Institutio	Polarization						can/mounting device			
Departm	excitation energy energy resolution momentum transfer momentum transfer		Scientific description abstract/summary scientific context/background			is sample				
Street							r associated			
ZIP						risks				
Town							fter experiment			
Phone	temperature ra		necessity of neutr			oumpre a				
Fax	temperature sta	-	choice of instrume							
e-mail	pressure range			ent						
Organisa			preliminary work							
Status	field range	14	detailed experime	ntal plan						
	field homogene		publication record	ł						
	sample environ on-site lab use	men								

(Report D5.3)

Harmonized proposal forms and templates (Task 5.3 PSI, HZB)

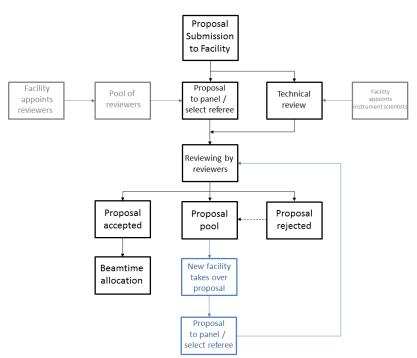
Standardized proposal form adopted for the individual requirements implemented in software prototype for demonstration

http://nmi3.bplaced.de/

Datei Bearbeiten Ansicht Chronik	Lesezeichen Extras Hilfe	_								
G neutron user - Google-Suc × 🔄 Neutron News - Volume 25 × Facility × +										
e mi3.bplaced.de/facility.php?	fac=2									
	sis rights Facility manager SPF	Instruments P	anel Facility proposals	Used beamtime						
	eview Proposal submi	ission Own prop	osals Change user data	a Messages						
Facility: SINQ				E						
		of the harmonized pr								
	Please select the required information. (Y = Yes)									
Genera Proposi	al Part	Show	Mandatory							
Title		Y 🕶	N 🕶							
Prenan	ne	Y •	N -							
Surnar		Y •	N *							
Nation		Y •	N -							
Gende		Y -	N •							
Experin										
	ment title	Y +	N v							
Local c Contin		Y ▼ Y ▼	N × N ×							
Techni Instrur	ical Part ment									
	equested	Y 🗸	N 🖛							
Wavele		Y.	N 🕶							
	tion energy	Y 🗸	N 🕶							
Sample Chemio	e cal formula	Y •	N 🔻							
Volume	e	Y 🗸	N -							
Weight	t	Y •	N 🕶	-						

Web based proposal peer review process (Task 5.4 TUD, HZB)

 Development of a framework to allow peer reviewing of submitted proposals within NMI3 web applications for small facilities, which do not operate an individual DUO.



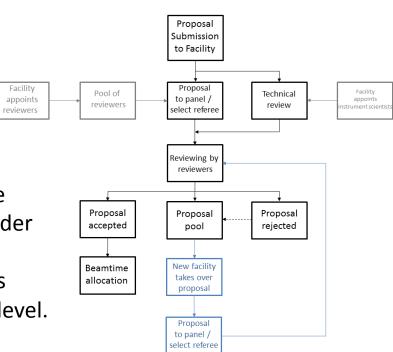
Flowchart Web-based Proposal reviewing

Web based proposal peer review process (Task 5.4 TUD, HZB)

Report on requirements for web-based peer review

Facility

- The software will maintain a relational database of facilities, instruments, users, proposals and recommendations.
- It will enable electronic communication • between the various users and create archives of the communications.
- Communications may be anonymous one way or both ways, depending on the sender and the recipient(s).
- The relational database will allow queries to be conducted depending on the user level.



Flowchart Web-based Proposal reviewing

Web based proposal peer review process (Task 5.4 TUD, HZB)

Software prototype of web based review process

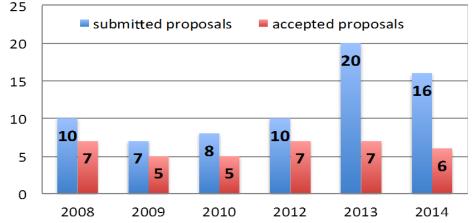
<u>D</u> atei <u>B</u> earbeiten G neutron use	_	_	en E <u>x</u> tras <u>H</u> ilfe eutron News - Volum	e 25 × Fac	ility		× +	-		x
🗲 🕙 nmi3.bpla	aced.de/facili	ty.php?fac=2			l neutron ne	ws →	☆ 自	□ ↓	† 9	Ξ
EIMN	Logout Superadmin Access rights		SPF Instruments Panel		el Facility proposals		Used beamtime		^	
Add/Edit user	Inst. scientis Proposa		Proposer Proposal submi	ssion Ow	proposals	Change	user data	Message	5	

http://nmi3.bplaced.de/

(Report D5.5)

Platforms for cross source independent beam time access (Task 5.5 HZG, HZB)

- Developments of platforms to submit proposals for access by the combination of instruments at the NMI3 facilities
- Platforms for cross source proposals for the complementary use of instruments, laboratory services or infrastructures using different probes (e.g. neutron, muons, x-rays, facility based AFM or electron microscopy)



Platforms for cross source independent beam time access (Task 5.5 HZG, HZB)

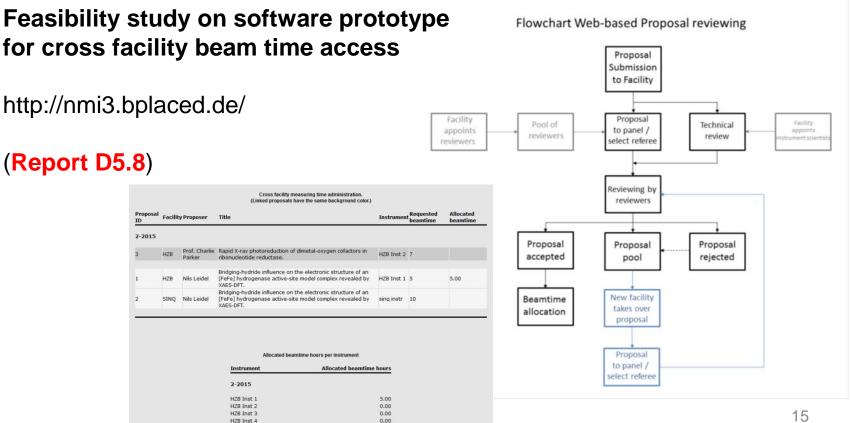
Requirements for cross facility beam time access and strategy for implementation (Report D5.7)

- Survey of the existing activities at the NMI3 facilities (PSI, ILL, LLB, GEMS, HZB)

- Existing concepts and approaches (BioStructX, ESMI, Science Link)

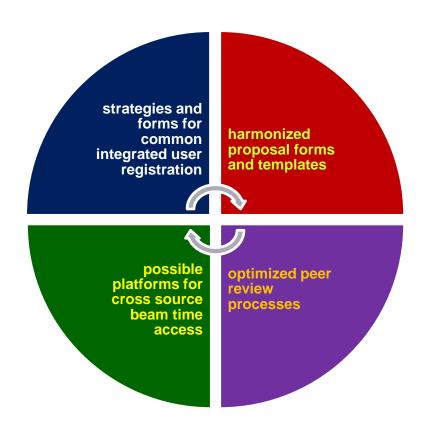
Cross facility beam time access can be an added value for the users and may enhance efficiency and output of user experiments, but needs a high administrative effort, because proposal systems of different facilities have to be connected and synchronised.

Platforms for cross source independent beam time access (Task 5.5 HZG, HZB)



Achievements

- Integrated user registration (Umbrella)
- Standardized proposal form
- Web based review process for small facilities
- Cross facility beam time
 access process
- Software prototype: http://nmi3.bplaced.de/



Thanks to

- Rozsa Baranyai, BNC
- Menno Blaauw, TUD
- Flavio Carsughi, FZJ
- Giovanna Cicognani, ILL
- Stefan Janssen, PSI
- Philip King, ISIS
- Alain Menelle, LLB
- Klaus Pranzas, HZG
- Pavel Strunz, NPI



