

■ NMI3 Scientific Advisory Committee

From mid 2009

Gotz Eckold (Univ. Gottingen), Germany

Kenneth Herwig, (SNS, ORNL), USA

Françoise Leclercq- Hugeux, (CNRS, Lille), France

Romano Rinaldi, (Univ. Perugia), Italy

■ Task

« The NMI3-Advisory Committee **advises** the NMI3 coordinator, NMI3-General Assembly and NMI3-Board, **on the content of the Implementation Plan and any required changes** »

■ Meetings

Barcelona GA, May 2010 (First meeting)

Short report and comments sent to NMI3 coordination cell (July 2010)

Roma GA, November 2011

Integrated Infrastructure Initiative

for

Neutron Scattering and Muon Spectroscopy

The project aims at the pan-European coordination of neutron scattering and muon spectroscopy, maintaining these research infrastructures as an integral part of the European Research Area.

21 consortium members in 13 countries
10 research infrastructures

NMI3 comprehensively includes all major facilities in the field, opening the way for a more concerted and efficient use of the existing infrastructure.

<http://www.neutron-eu.net>

Some comments, following the General Assembly in Barcelona, May 2010

■ Transnational ACCESS

Harmonization of beam fees within the evaluation of TAA by national facilities
Think about a general concept of estimating the appropriate beam fees at the different neutron sources.
This would help to underline the European aspect of efficient use of the existing sources.

■ Dissemination and training

Education of young scientists is regarded as an **important issue** of the NMI3-project.

- A good number of different summer schools and practical courses on neutron scattering does already exist and should be coordinated on a European level.
- Explore the possibility to create a “European Graduate School on Neutron Sciences” that could profit from the existing programs and would lead to a true international education with experiments and/or seminars at different facilities and universities.

Preparation of next calls (FP8)

Mandatory to underline the benefit of neutrons as a multidisciplinary tool, serving most of the research priorities set by the EU (Energy, Health, New functional materials, Life sciences, Environment,...) .
The topical links can be addressed by the way of thematic educational networks at the European level.

■ Networking

Exchange of beam-time between facilities? (even without a common proposal system, consider the possibility to relocate suitable experiments to other facilities)

Preparation of ESS operation (choices to be made, exchange of information on the national policies, new science to be made at the ESS, links with the national resources, definition of new JRA objectives)
– need more contact and more frequent discussion between ENSA representatives.

Joint Research Activities

Barcelona, May 2010

Roma, November 2011

WP 17: Neutron Optics

a lot of good simulation and modeling.
Progress in adequate hardware/testing programs in future?

A lot of results...but... how JRA exports will contribute to new projects in facilities? (discussion before device design)

WP 18: Deuteration

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Several projects progressing in different facilities/labs
Links between the various approaches? Via user groups??

WP 19: Polarized Neutrons

Excellent progress at the European (international) level
Many engaged partners – instrumentation in all facilities

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WP 20: Muons

The most facility centric project – Joint RA???
Need to develop links with other facilities

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WP 21: Sample Environment

Impressive progress for high pressure development
Gas and electrostatic sample levitators moving well forward
More innovation expected???

very positive approach of standardization for different facilities
Pressure cells : need more communication (transparency)
between the different studies?

WP 22: Detectors

Excellent progress
Need more coordination between electronics and detector hardware teams?
Future : More effort focusing on 3-He alternatives (FP8) ?

Good interaction between different projects
ANTS software : publication and distribution (and eventually training « on site » provided by the developer ???