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17th MEETING OF THE SNX COUNCIL

Grenoble (France)
Thursday 31st May 1st June 2012

SNX Council Meeting

In Attendance: SNX Council, SNX Secretary, Advisors from RCN and SER, Observers

Mr. Chairman welcomed everyone to this meeting. David NICHOLSON is warmly thanked for the work done as Chairman of the SNX Foundation. Two major tasks to be underlined: CoF and EXAFS Committee.

Martin STEINACHER thanked, from the Swiss side, David NICHOLSON for his work done for the SNX Foundation and is welcoming Gervais CHAPUIS as the new Chairman.

1. Approvals and Review

[G. Chapuis]

1.1. Approval of the Agenda

The agenda, *Appendix No. 1*, was unanimously approved.

1.2. Approval of the minutes of the 16th SNX Council

The minutes of the 16th SNX Meeting were approved unanimously.

1.3. Review and results of actions decided at last meeting

Action carried over from 15th SNX Meeting :

15.2.1. Intellectual property and patents. This will be looked into by Aase Marie HUNDERE, Martin STEINACHER and Gervais CHAPUIS. This will be included in the next 4-year contract (2013-2016). Deadline: July 2012.

Documents to be provided to Aase Marie HUNDERE and Martin STEINACHER in order to insert this into the correct document. **Chantal Heurtebise. Done 25th June 2012.**

2. Financial Matters

2.1. Income, Spending, Audit accounts 2011

[C. Heurtebise]

See presentation and documents e-mailed to SNX participants in *Appendix No. 2*.

List of documents e-mailed concerning year 2011:

- Administrative report 2011
- Income 2011 according to contract
- Income 2011 outside contract

- Spending “*Compte d’exploitation*” 2011
- Orders as of 31st December 2011
- Reserves as of 31st December 2011
- Audit of the accounts year 2011
- Auditor’s report for year 2011
- Balance year 2011

The accounts for year 2011 were approved unanimously.

2.2. Income and Spending 2012

[C. Heurtebise]

See presentation, Administrative Report May 2012, and documents e-mailed to SNX participants in *Appendix No. 3*.

List of documents e-mailed concerning year 2012:

- Income 2012
- Spending “*Compte d’exploitation*” as of 16th May 2012
- Orders as of 16th May 2012

2.3. Budget 2013-2016

[V. Dmitriev]

See document e-mailed to SNX participants in *Appendix No. 4*, Financial Plan 2013-2016

The document presented (budget 2013-2016) takes into account the exchange rate of 1,25 (EUR/CH).

Aase Marie HUNDERE underlined that RCN will take into account the budget in KEUR for 2013-2016. For SER and RCN the planned contributions are in KEUR 2013 : 740, 2014: 760, 2015: 780, 2016: 800 for each party.

It was underlined that:

- Any additional amount will no longer be part of the CONTRACT.
- Contributions outside contract can either come from both countries on the terms and conditions agreed by both, or it may come from one country only without binding the other partner.
- The financial plan (annual expenditure budgets and annual income budgets) will be approved in EUR for the 4-year period 2013-2016.
- Reserves are to be organized from savings accumulated, via exchange rate from 2013: “E.R.R,” (Exchange Rate RESERVES).
- It will be for SNX Council to solve the problem if exchange rate becomes disadvantageous.
- It is suggested to have a yearly discussion on the exchange rate fixed each year regarding CHF/EUR and NOK/EUR. Each party shall contribute with the same amount.

Martin STEINACHER thanked Aase Marie HUNDERE for the effort of the RCN to match the proposed annual contributions 2013-2016 by SER.

3. Report of the SNX Chairman

- | | |
|-------------------------------------------------------------|------------------------|
| 3.1. CH-N Cooperation Agreement Renewal: Status – N | [A.M. Hundere] |
| 3.2. CH-N Cooperation Agreement Renewal: Status - CH | [G. Chapuis] |
| 3.3. CH-N MoU Renewal Status – N | [A.M. Hundere] |
| 3.4. CH-N MoU Renewal Status – CH | [M. Steinacher] |
| 3.5. Performance Contract Renewal: Status – N | [A.M. Hundere] |
| 3.6. Performance Contract Renewal: Status – CH | [M. Steinacher] |

Cooperation Agreement and MoU

Vladimir DMITRIEV is to send his suggestions of modifications to Aase Marie HUNDERE, Martin STEINACHER and Gervais CHAPUIS before end of June, taking into account that the decision for BM16 is still unknown.

Performance contract.

Martin STEINACHER suggested that the exchange rate EUR/CHF and EUR/NOK will only appear in the performance contracts. The Financial Plan 2013-2016 is to be approved by SNX Council in KEUR, preferentially in a written procedure in late summer.

Gervais CHAPUIS is to send Aase Marie HUNDERE and Martin STEINACHER the funding request (Financial Plan with a covering letter).

In Attendance: SNX Council, SNX Secretary, Advisors from RCN and SER, Observers and BL Scientists.

4. Report of the SNX Operations

4.1. SNX and A-SNG operations **[V. Dmitriev]**

See Vladimir DMITRIEV's presentation in *Appendix No. 5*.

Collaborative Projects: 3 Norwegian projects and 1 Swiss project have been accepted:

- Kristoffer ANDERSSON, Hans-Petter HERSLETH. University of Oslo
- Magnus RONNING. Norwegian University of Science and Technology, Trondheim
- Bjorn HAUBACK, Magnus SORBY, Institute for Energy Technology, Kjeller
- Hans-Beat BURGI, Uni Zurich, ETHZ and Oak Ridge USA

Transferring BM1B to another beamline (BM16)- see presentation in *Appendix No. 5*.

SNX approval on the bid from SNBL to ESRF for a transfer to another beamline, see *Appendix No. 6*.

Gervais CHAPUIS and Vladimir DMITRIEV presented the SNBL project to the SAC. This project will be submitted to the ESRF council in June 2012. See *Appendix No.6*.

Vladimir DMITRIEV is thanked for his presentation

4.2. Beamline A: Operations**[P. Pattison]**

See Philip PATTISON's presentation in *Appendix No. 7*.

- Shut-down Dec 2011 – May 2012
- Status KM6CCD diffractometer
- Status Pilatus2M project
- Collaborative projects
- Long-term developments

- PILATUS 2M project – Implementation of CoF report recommendations: replacement of mar-135 image plate with Pilatus2M.
 - 1) Special detector – thicker silicon chips for higher efficiency
 - 2) Pilatus Processing Unit (PPU) for fast data analysis
 - 3) Guarantee extension for a total of 3 years
 - 4) Scanning option with x-ray fluorescence detector CHF 20K from PSI / National Cooperative for the disposal of radioactive Waste (Nagra)

- Collaborating projects with user groups:
 - 1) Observation and modeling of diffuse scattering
 - 2) Improved capabilities for X-ray / optical / Raman
 - 3) Development of combined diffraction & X-ray fluorescence
 - 4) X-ray scattering from thin films

- Collaborating projects with external companies:
 - 1) Dectris Ltd, Baden, CH
 - 2) Global Phasing Ltd, Cambridge, UK
 - 3) Huber Diffraktion GmbH, Germany

In 6 months :

- Pilatus2M running routinely
- KM6CCD repaired and operational
- Present a long-term plan for BM01A concerning division of experiments and beamtime between Pilatus 2M and KM6CCD

Philip PATTISON is thanked for his presentation.

4.3. Beamline B: Operations**[H. Emerich]**

See Hermann EMERICH's presentation in *Appendix No. 8*.

Station modifications:

- New station layout
- New control electronics
- New amplifiers
- Towards truly combined PD/Exafs experiments
- Some modifications of the SNB hutch postponed due to the possible takeover of BM16
- Cost balance KE150 for the refurbishment of BM16
- Preparing science beyond BM1B - Characterization of less ordered materials, modulation techniques

- Publications on modulation + Funding for modulation (Norway)
- Funding for C-MOS Pixel detector
- Exafs Modulation experiments
- Postdoc from Norway for the development of total scattering on BM1B
- Development of semi transparent fluorescence screens

Hermann EMERICH thanked the SNX Council for strongly supporting the bid for the takeover of a vacant ESRF port/beamline.

Hermann EMERICH is thanked for his presentation.

In Attendance: SNX Council, SNX Secretary, Advisors from RCN and SER, Observers

5. Any other business

5.1. Report on the data storage (+ High Pressure Equipment SNX) [G. Chapuis/P. Pattison]

Data storage :

Useful contacts have been established between the SNBL working group (K.K.Andersson, G. Chapuis and P. Pattison) and members of UNINETT and NORDUnet (Norway). The Norwegian Research Council has assisted in establishing these contacts. The major bottleneck for data transfer at present concerns the ESRF. According to B. Lebayle (ESRF responsible), the central router must first be upgraded before tests can begin. This is planned for the end of the summer shutdown 2012.

High pressure equipment SNX:

The high pressure equipment (Diamond Anvil Cells etc) kindly on loan from the group of W. Steurer (ETHZ) have now become the property of SNX. Many thanks to W. Steurer for this generous offer.

5.2. Renewal / New SNX Members

The mandate of the following Members is still running:

- Gervais Chapuis (Chairman) – EPFL Lausanne (end of current mandate May 2015)
- Jeroen Van Bokhoven – ETH-Zurich (end of current mandate May 2014)

The new Members of the SNX Council (mandate from June 2012 to May 2015) are :

- Helmer Fjellvag (Vice-Chairman) – University of Oslo
- Magnus Ronning – NTNU - Trondheim
- Bjorn Hauback – IFE - Kjeller
- Piero Macchi – University of Bern

Duration and Modalities of SNX Members, see *Appendix No. 9*.

5.3. General Assembly SNX Foundation, Association SNX, Association SNG

The General Assemblies took place. The Minutes were signed.

5.4. Renewal / New Chairman SNX Association

The new Chairman of the association A SNX is Gervais Chapuis .

6. Discussion of Proposals**[Shepherds]***In Attendance:* SNX Council, Observers, Beamline Scientists, SNX Secretary**6.1. Beamline Scientist's Technical Assessment of Proposals and Shepherd's Assessments****6.2. Assessment Committee – allocation of beamtime****BM1A**

Total number of shifts available:	206
Shifts for ESRF:	69

Shifts available for discussion : 135

Total shifts requested is 262 shifts in 26 proposals from Swiss and Norwegian users.

All proposals with Grades 1, 2, 3, and 4 are allocated beamtime.**BM1B**

Total number of shifts available:	206
Shifts for ESRF:	69

Shifts available for discussion : 135Total Shifts requested by users : 198
(69 from Swiss and 129 for Norwegian groups)**All proposals with Grade 1, 2, 3, 4 and 5 are allocated beamtime.**

All proposals will be reviewed as from November 2012, including those likely to get beamtime at ESRF.

Allocation of Beamtime, see *Appendix No. 10*.**7. Summary of actions to be taken****[C. Heurtebise]**

No actions.

8. Concluding remarks**[G. Chapuis]****18th SNX Meeting.** This meeting will take place in Grenoble on Friday 23 and Saturday 24th November 2012. Organisation: Chantal Heurtebise.**19th SNX Meeting.** This meeting will take place on Thursday 30th and Friday 31st May 2013, in Norway. To be organized by the Norwegian delegates. Aase Marie HUNDERE

Gervais CHAPUIS is very satisfied with this meeting. He is looking forward to having a new beamline. He underlined the importance of having secured funding for the next four-year period.

9. SNX Delegates Meeting

See *Appendix No. 11*.

The budget will be voted in EUR for the period 2013-2016 and converted in CHF with the exchange rate of 1,25

To be investigated: UBS bank account in EUR, see costs and conditions. Chantal HEURTEBISE.

List of appendices, showing the page number on which they appear in the minutes.**Appendix A available only to SNX Members and Observers****Appendix B available to all.**

Appendix No. 1.B.	P.2.	Approved agenda
Appendix No. 2.A.	P.2.	Income and Spending 2011, Audit and Balance 2011
Appendix No. 3.A.	P.3.	Income and Spending 2012
Appendix No. 4.A.	P.3.	Budget for 2013 - 2016
Appendix No. 5.B.	P.4.	Report of the SNX Director
Appendix No. 6.A.	P.4.	SNX approval for transfer to another beamline
Appendix No. 7.B.	P.5.	Operations - Beamline A
Appendix No. 8.B.	P.5.	Operations – Beamline B
Appendix No . 9.A.	P.6.	Duration and Modalities of SNX Members
Appendix No. 10.B.	P.7.	Allocation of beamtime
Appendix No. 11.A.	P.8.	SNX Resolution 17/4.