

Table of Contents

1. Approvals and Review	3
1.1. Approval of the Agenda	3
1.2. Approval of the minutes of the 24th SNX Council	3
2. Financial Matters	3
2.1. Income, Spending and Audit Accounts 2015	3
2.2. Income and Spending 2016	4
2.3. Official approval Financial Plan 2013-2016 & Budget 2013/2014/2015/2016	4
2.4. Updated table income/spendings (transfer of beamline).....	4
2.5. Board Meetings SNX Foundation + A SNG + A SNX	4
2.6. Financial Plan 2017-2020	5
3. Report of the SNX Chairman and Perspectives for 2017-2020	5
3.1. CH-N Cooperation Agreement Renewal: Status – N	5
3.2. CH-N Cooperation Agreement Renewal: Status - CH	5
3.3. CH-N MoU Renewal Status – N.....	5
3.4. CH-N MoU Renewal Status – CH.....	5
3.5. Performance Contract Renewal: Status – N	5
3.6. Performance Contract Renewal: Status – CH.....	5
4. Report of the SNX Operations	6
4.1. SNX and A-SNG operations	6
4.2. Beamline BM01 : Operations	6
4.3. Beamline BM31: Operations	8
5. Any other business	9
5.1. Follow-up on the transfer of beamline BM01B to BM31.....	9
5.2. Exchange shifts SNBL / DUBBLE	9
6. Discussion of Proposals	9
6.1. Beamline Scientist’s Technical Assessment of Proposals and Shepherd’s Assessments	9

6.2. Assessment Committee –allocation of beamtime	9
7. Summary of actions to be taken	10
8. Concluding remarks	10
9. SNX Delegates Meeting.....	10
9.1. SNBL Personnel	10



25th MEETING OF THE SNX COUNCIL

Grenoble (France)

Tuesday 24th and Wednesday 25th May 2016

SNX Council Meeting

Mr. Chairman welcomed everyone. Piero MACCHI resigned from the SNX Committee. Radovan CERNY accepted to become a member of the Committee as from May 2016.

Xavier RAYMOND is represented by Patrice SOOM.

Radovan CERNY is represented by Pascal SCHOUWINK.

1. Approvals and Review

[H. Fjellvag]

1.1. Approval of the Agenda

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

Items will be dealt with according to the attendance of the participants.

1.2. Approval of the minutes of the 24th SNX Council

The minutes of the 24th SNX Meeting were approved unanimously.

2. Financial Matters

2.1. Income, Spending and Audit Accounts 2015

[C. Heurtebise]

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

Documents e-mailed :

Administrative Report 2015

Income 2015- Contract & Outside Contract

Reserves as of 31st December 2015

Spending "Compte d'Exploitation" as of 31st December 2015

Orders as of 31st December 2015

Orders BM31 as of 31st December 2015

Auditor's accounts + report

The accounts for year 2015 were approved unanimously.

2.2. Income and Spending 2016

[C. Heurtebise]

See presentation and documents e-mailed to SNX participants in **Appendix No. 3.**

Documents e-mailed :

Administrative Report as of April 2016

Income 2016 – Contract & Outside Contract

Reserves as of April 2016

Spending “Compte d’Exploitation” as of April 2016

Orders as of April 2016

Orders BM31 as of April 2016

Bjorn JACOBSON raised the question of non-equal contributions of RCN and SERI in 2016. Patrice SOOM explained the reasons underlying SERI's decision and stressed that if the SNX Foundation is to submit an additional funding request to SERI for 2016, then this one shall be substantially justified and documented against the background of the entire funding period 2013-2016.

2.3. Official approval Financial Plan 2013-2016 & Budget 2013/2014/2015/2016

[C. Heurtebise]

See document e-mailed to SNX participants in **Appendix No. 4.**

The four-year budget (2013 to 2016) is unanimously approved for the full period.

2.4. Updated table income/spending (transfer of beamline)

[V.Dmitriev/C. Heurtebise]

See document e-mailed to SNX participants in **Appendix No. 5.**

Follow up Spendings BM31 as of April 2016. An updated table will be presented in November 2016.

2.5. Board Meetings SNX Foundation + A SNG + A SNX

[C. Heurtebise]

The meetings took place and the Minutes were all signed.

2.6. Financial Plan 2017-2020**[V. Dmitriev]**

See presentation from Vladimir DMITRIEV in **Appendix No. 6.**

The financial plan 2017-2020 is acknowledged by the SNX Members.

Patrice SOOM, SERI, reminded that the maximum yearly contribution from SERI is CHF 1 million/year.

3. Report of the SNX Chairman and Perspectives for 2017-2020

3.1. CH-N Cooperation Agreement Renewal: Status – N **[B. Jacobsen]**

3.2. CH-N Cooperation Agreement Renewal: Status - CH **[G. Chapuis]**

3.3. CH-N MoU Renewal Status – N **[B. Jacobsen]**

3.4. CH-N MoU Renewal Status – CH **[P. Soom /X. Reymond]**

3.5. Performance Contract Renewal: Status – N **[B. Jacobsen]**

This item is to be deleted.

3.6. Performance Contract Renewal: Status – CH **[P. Soom /X. Reymond]**

Bjorn JACOBSEN reported that the Norwegian institutions are to submit a proposal for the funding to SNBL.

Patrice SOOM reported that SERI is not in the legal capacity of renewing the MoU framing the Swiss-Norwegian collaboration at SNBL. However, SERI still intends to fund the operations of SNBL in 2017 and beyond. This political support is reflected in the fact that the corresponding funding is mentioned in the ERI Dispatch 2017-2020, which should be accepted by the Swiss Parliament by November 2016. In order to continue this fruitful collaboration, SERI proposes that the Swiss institutions interested to participate in SNBL open negotiations with their counterpart in Norway in order to become the Swiss contractual partner of SNX, taking thereby over the role of SERI in SNX. These Swiss institutions will then have the opportunity to submit a funding request to SERI, in order to receive financial support for their funding of SNBL activities. SERI funding to the Swiss institutions is envisaged on a bi-annual basis and should not exceed 1 million CHF per year. Gervais CHAPUIS shall approach Swiss research institutions in order to investigate which institution or consortium of institutions is interested in taking responsibility in this process.

Bjorn JACOBSEN stressed that the process has to be dealt with as soon as possible as the set up has to be ready before the end of this year.

Gervais Chapuis reported that this Swiss institution / consortium is an administrative issue. Once the letter from the Swiss Ministry is received, existing institutes will be contacted.

4. Report of the SNX Operations

4.1. SNX and A-SNG operations

[V. Dmitriev]

See Vladimir DMITRIEV's presentation in **Appendix No. 7.**

Beamtime statistics.

Visibility of SNBL:

1st DanMAX Users Meeting – 3rd of February 2016

EPFL Valais Wallis – Sion 25th February 2016

Preparing ESRF upgrade

Regarding the EBS upgrade, Helmer FJELLVAG inquired what the consequences will be for SNBL. Vladimir DMITRIEV underlined that this upgrade should not affect much the beamlines. This item will be developed in the presentation from each beamline scientist.

4.2. Beamline BM01 : Operations

[P. Pattison]

See Philip PATTISON's presentation in **Appendix No. 8.**

Diffraction platform BM01A- Technical progress (software and hardware)

Recent publications & highlights :

A new multipurpose diffractometer PILATUS@SNBL (V. Dyadkin, P. Pattison, V. Dmitriev, D. Chernyshov). J. Synchrotron Rad.

A small collection of in-situ cells.

Charge-ordering transition in iron oxide Fe₄O₅ involving competing dimer and trimer formation - nature chemistry. Nature Chemistry.

Ligand Aspect Ratio as a Decisive Factor for the Self-Assembly of Coordination Cages - J.A.C.S.

Reentrant Phase Coherence in Superconducting Nanowire Composites – ACS NANO.

Capturing metal-support interactions *in-situ* during the reduction of a Re promoted Co/γ-Al₂O₃ catalyst. (N.E. Tskoumis, R.E. Johnsen, W. van Beek, M. Ronning, E. Rytter and A. Holmen). ChemComm.

Collaborative projects with user groups :

Routine combination of X-ray / optical / Raman spectroscopy

SNBL / Uni Oslo

Coordinator - K.K. Andersson

Software development for kappa-goniometer on PILATUS@SNBL

SNBL / Uni Stavanger

Coordinator - H B Larsen

Simulation of FEL beam characteristics using SNBL

SNBL / ETHZ / PSI

Coordinator – L. McCusker

Collaborating projects with other institutes

Sharing of beam time and other resources

Collaboration agreement with DUBBLE CRG

Joint projects for developing diffraction and EXAFs techniques

Memorandum of Understanding with MaxIV Laboratory

Measurement of diffuse scattering under electric field

XMAS CRG at ESRF and University of Manchester

Long-term developments (May / June 2016)

Move of BM01B to BM31

Operation of BM01A as a single beam line on BM01 bending magnet port.

Long term developments (2017-2018)

New monochromator for BM01 : (approximate cost EUR 200'000):

Improved cooling → higher transmission

New bending mechanism → better focus

New translation mechanism → high precision

This new equipment should be installed in 2018 before the ESRF shutdown of 2019

Crystallography service for access to BM01

Service provided by BM01 staff

For straightforward experiments (single crystal and powder) which need 1 shift or less.

Sample are sent to ESRF by local service crystallographers (NTNU, Uni Oslo, ETHZ, EPFL, EMPA, Uni Geneva, Uni Zürich ...).

Crystallography service – Publications 2016

EPFL Lausanne

Gholivand, K., Kahnouji, M., Latifi, R., Fadaei, F.T., Gholami, A., Schenk, K.J.

Synthesis, Structure, and Catalytic Properties of Palladium Complexes Containing bis(phosphino)-amine ligands Inorganica Chimica Acta, 448, 61-69, 2016

University of Stavanger

Khalifeh, M., Saasen, A., Vrålstad, T., Larsen H.B., Hodne, H.

Experimental study on the synthesis and characterization of aplite rock-based geopolymers. J. Sustainable Cement-based Materials, in press, 2016.

University of Zurich

Veliks, J., Seifert, H.M., Frantz, D.K., Klosterman, J.K., Tseng, J.Ch., Lindena, A., Siegel, J.S. *Towards the molecular Borromean link with three unequal rings: double-threaded ruthenium (II) ring-in-ring complexes.* Org. Chem. Front., in press, 2016.

Philip PATTISON was thanked for his presentation.

4.3. Beamline BM31: Operations

[H. Emerich]

See Hermann EMERICH's presentation in **Appendix No.9.**

Beamline status :

SNB Overall Performance – No down time due to beamline (component) failures.

2D – Detector – The ESRF software group is actively working on an improved linux based acquisition software. We hope that the new software will improve the stability of the detector / acquisition.

BM31

Status – The move from BM1B to BM31 is well under way.

New Source

Hermann EMERICH thanked Wouter van BEEK and Geir WIKER for the work done on BM31.

Hermann EMERICH was thanked for his presentation.

5. Any other business**5.1. Follow-up on the transfer of beamline BM01B to BM31****[V. Dmitriev]**

A visit to BM31 was organized.

5.2. Exchange shifts SNBL / DUBBLE**[C. Heurtebise]**See document e-mailed to SNX participants in *Appendix No. 10*.**6. Discussion of Proposals****[Shepherds]****6.1. Beamline Scientist's Technical Assessment of Proposals and Shepherd's Assessments****6.2. Assessment Committee –allocation of beamtime****BM01**

Total number of shifts available : 218

Shifts for ESRF - 71

Shifts available for discussion : 147

Total shifts requested: 234 in 20 proposals from Swiss (14) and Norwegian (6) Institutes.

Proposal with Grades 1, 2, 3 and 4 are allocated beamtime.**BM31**

Total number of shifts available : 218

Shifts for ESRF - 30

Shifts available for discussion : 183

Carryover due to BL move

SNBL Shifts -42

ESRF shifts -18

Shifts for discussion : 128

Total shifts requested: 184 in 12 proposals from Swiss (10) and Norwegian (2) Institutes.

Proposal with Grades 1, 2, 3, 4 and 5 are allocated beamtime.Allocation of beamtime, see *Appendix No. 11*.

7. Summary of actions to be taken [C. Heurtebise]

No actions.

8. Concluding remarks [H. Fjellvag]

26th SNX Meeting. This meeting will take place in **Grenoble** in November 2016 : Tuesday, from 14H, 29th November and Wednesday 30th November 2016. To be organized by **Chantal HEURTEBISE**.

27th SNX Meeting. This meeting will take place in May/June 2017 **in Norway**. Dates : suggestions Monday 29th May to Friday 2nd June 2017. Members to be contacted. To be organized by Helmer and Bjorn.

(Thursday 25 May – Ascension – Monday 5th June Pentecôte)

28th SNX Meeting. This meeting will take place in **Grenoble**, in November 2017. Dates : suggestions week 47 (20-24 Nov) or 48 (27 Nov-1 Dec).

Mr. Chairman thanked everyone for their contribution to this meeting. This was a very nice meeting, conducted with open discussions, which was highly appreciated. This is an on-going success.

9. SNX Delegates Meeting

9.1. SNBL Personnel

[V. Dmitriev]

See Delegates Meeting, item **4/25, Appendix No. 12.**

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.3.	Approved Agenda
Appendix No.2.A	P.3.	Income, spending and Audict reports 2015
Appendix No.3.A	P.4.	Income and spending 2016
Appendix No.4 A	P.4.	Official approval Financial Plan 2013 / 2016 Official approval budget 2013, 2014, 2015 and 2016
Appendix No.5.A.	P.4.	Updated table income / spending transfer of beamline
Appendix No. 6.A.	P.5.	Financial Plan 2017 / 2020
Appendix No.7.B.	P.6.	SNX and A.SNG operations
Appendix No.8.B	P.6.	Beamline BM 01: operations
Appendix No.9.B.	P.8.	Beamline BM 31: operations
Appendix No.10.B.	P.9.	Exchange shifts SNBL / DUBBLE
Appendix No.11.B.	P.9.	Allocation of beamtime
Appendix No 12.A.	P.10.	Resolution and Delegate Meeting
Appendix No.13.A.		Duration and modalities SNX Members Mandate