NORDSYNC ANNUAL REPORT 2017

Content

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Cover: Construction of the modules for the ESRF-EBS (Extremely Bright Source) to be inserted in the existing storage ring in 2019 (courtesy ESRF/S.CANDE)

1. Introduction

The four Nordic countries Denmark, Finland, Norway and Sweden are members of the ESRF through the consortium Nordsync, as formulated in the revised agreement concerning Nordsync that entered into force as from January 2008. An objective for Nordsync is to coordinate and enhance the use of synchrotron radiation generated by ESRF for scientific and industrial research in the Nordic countries, and to promote purchases to ESRF from Nordic companies. After India became an associate member country in 2017, ESRF has 22 member countries. The relative contribution from the ESRF member and associated countries are shown in Figure 1.

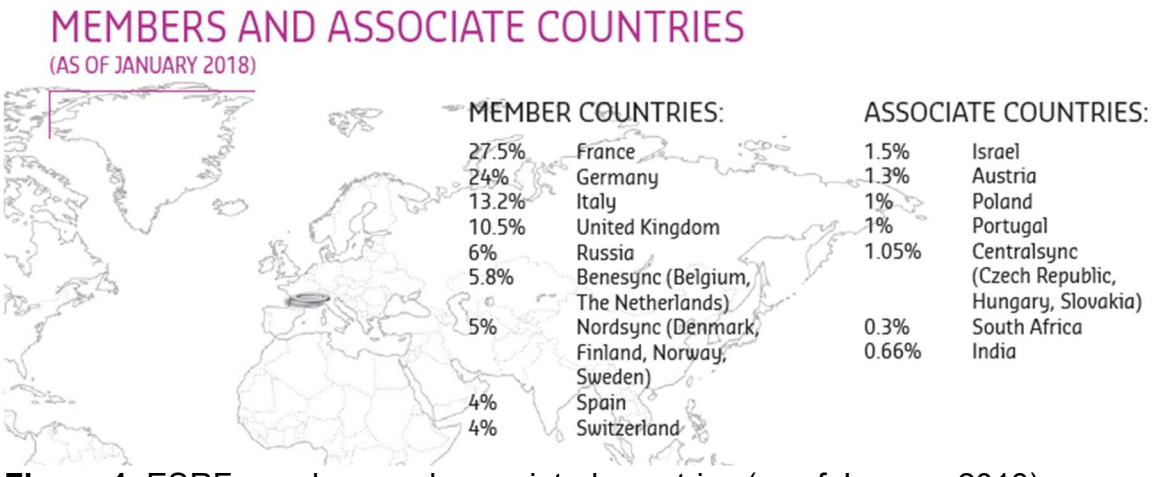


Figure 1: ESRF members and associated countries (as of January 2018).

After 15 years of successful operation, the ESRF in 2009 launched an ambitious Upgrade Programme ESRF UP, which has been on the Roadmap of the European Strategy Forum Research Infrastructures (ESFRI) since its inception. The ESRF UP program is in two phases. Phase I, which focused on the beamlines at a budget of 168 MEuro was completed in 2015. Phase II at an estimated cost of 150 M Euro is centered on the enhancement of the ESRF X-ray source, to become EBS (Extremely Bright Source). The Phase II EBS-project with a budget of 150 M Euro was initiated in 2015 and is progressing well according to schedule and budget. The construction of four state of the art beamlines is part of the Phase II upgrade. One of these of flagship projects is the CDR3 - *High Throughput large field phase contrast tomography beamline* in which the chair of Danscatt Henning Friis Poulsen, plays an instrumental role. The installation of the new magnetic lattice (see front page) necessitates a 20 months shutdown of the ESRF starting December 10, 2018. User operation at the ESRF will resume late 2020.

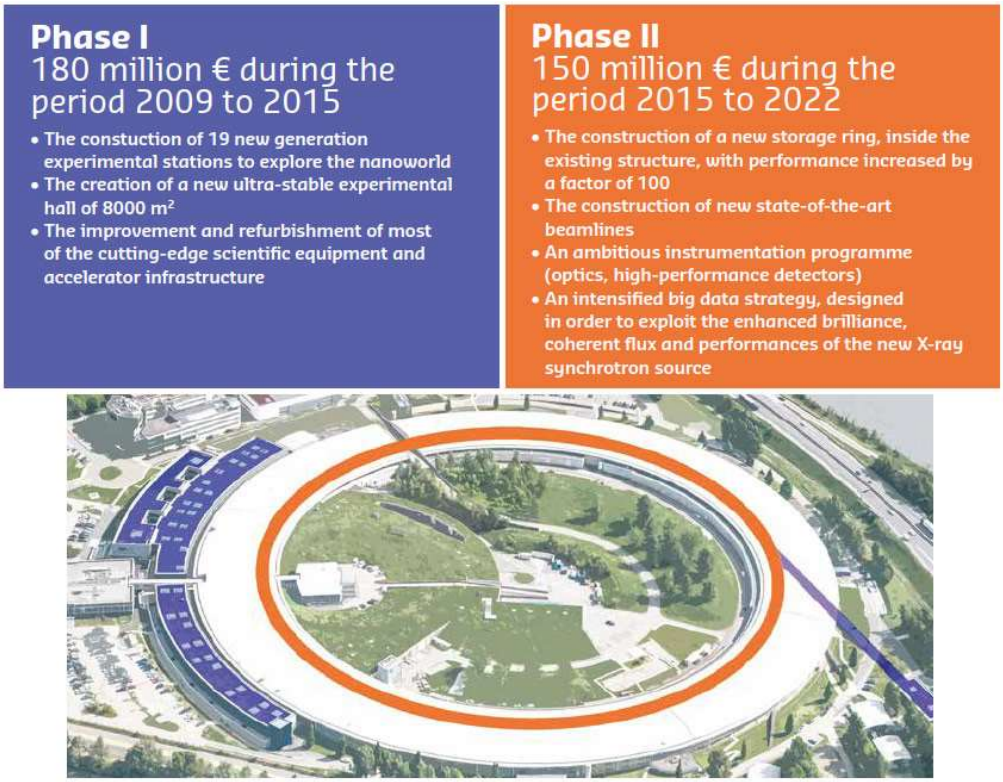


Figure 2. ESRF Upgrade programme 2009–2022.

2. Statutes and transfer of shares

In 2017 Russia acceded as a member of the ESRF. The accession of Russia to the ESRF was initiated in June 2014 at a signing ceremony in Paris, France. However, the formal process with ratification of the Protocol of Accession of Russia to the ESRF Convention was first finalized in November 2017, when the Protocol was confirmed by Italy as the last country. The long process was due to Article 5 of the Protocol of Accession of Russia to the ESRF Convention, which states: *"The present Protocol shall enter into force one month after all the signatory Contracting Parties and the Government of the Russian Federation have informed the Government of the French Republic, as the depositary of the Convention, that they have performed the constitutional procedures required for enactment of the present Protocol".*

From November 2017, Russia became a member of the ESRF and has signed for 6 % of the ESRF Company's shares. The shares were transferred from the following shareholders:

- 1.0% from the Member designated by Germany (DESY)
- 1.5% from the Member designated by Italy (CNR and/or INFN)
- 3.5% from the Member designated by the UK (STFC)

Initiated by the redistribution of shares among the members and Nordsync's overuse of beam time, the Nordsync countries decided to increase their share of the ESRF from 4 % to 5 %. This meant that 1 % of the ESRF Company's shares were formally transferred to the Danish Agency for Science and Higher Education (DAFSHE).

DAFSHE is the formal signature for the Nordsync Consortium thus receiving the shares of the ESRF Company. This additional 1 % share was obtained by transfers from the following shareholders:

- 0.5% from the Member designated by Germany (DESY)
- 0.3% from the Member(s) designated by Italy (CNR and/or INFN)
- 0.2% from the Member designated by BeNeSync (BELSPO)

Legal documents

The original text of the Convention was not as such modified following the accession of Russia. However, the ESRF included Russia to the original text, and have prepared an amended text that takes into account both accessions.The legal texts will be the original Convention, the Protocol of Accession of the Netherlands in 1991 and the Protocol of Accession of Russia in 2014 and Statutes of the ESRF Company. The consolidated text of the Convention remains an internal document for ease of reference and use without any legal value.

3. Nordsync's financial contribution to ESRF

At its 68th meeting in November 2017, the ESRF Council approved the budget for 2017 of EUR 130 860 000. The Nordsync contribution to the ESRF budget for 2017 amounted to EUR 5 868 071. This contribution consists of three components: i) 5 % Nordsync share of the ESRF budget, ii) Nordic overuse of beam time according to ESRF rules for corrective measures and iii) contribution to the reserve for increase in electricity costs. An overview of Nordsync's contributions to ESRF in the period 2013–2017 is presented in Table 1.

Table 1. Nordsync's contributions to ESRF`s income budget in 2013–2017.

ESRF income budget	2013	2014	2015	2016	2017
Share Members contribution (EUR)*	3 580 569	3 589 870	4 517 250	4 565 600	4 611 250
Exceptional contribution overuse beam time – corrective measure (EUR)*	1 690 616	2 098 347	776 407	1 052 114	1 240 665
Reserve for increase in electricity costs (EUR)*					161 560
Total contribution Nordsync (EUR)*	5 271 185	5 688 217	5 293 657	5 617 000	5 868 071
Nordsync use beam time (%)	6.37	6.99	6.29	6.01	6.75
Nordsync ideal share (%)	5.03	5.00	4.81	4.81	4.78

* Source: Calls for contribution 2013–2017

Corrective measures and effect on the distribution of shifts for Nordsync

In order to balance the scientific use of ESRF there are guidelines in place to regulate this. Each member and associated partner can add 10 % to their ideal share of beam time. The use of beam time exceeding these 10 % is regarded as "overuse" and the member is requested to pay an exceptional contribution. Beam time is granted through

peer review, and though the number of Nordsync proposals submitted roughly corresponds to the 5 % share, the proposals from the Nordic user communities are of such an excellent quality that based on the peer review Nordsync user should have more than 6 % of the beam time. Consequently, Nordsync has annually paid exceptional contribution for overuse according to the rules for corrective measures. In 2014 the Nordic use of beam time was "all time high" with a share of 6.99 % reflecting the scientific excellence of Nordic synchrotron user communities, however this success has a price paid by the exceptional contribution. Since 2015 Nordsync has implemented a new routine, which gives the consortium the possibility to control the costs of the exceptional contribution. The implemented routine is as follows: *Allocation of beam time above **6.5 %** (calculated on an average for a calendar year) needs approval from the four Nordsync members*.

The scientific consequence of the new routine is that there can be limitations other than those introduced through the peer review process, in the beam time allocated to the Nordic users. In 2017 about 35 shifts of beam time allocated through the peer review system were removed from the final allocation to Nordsync researchers. The Nordsync consortium will continue carefully monitoring the effect of the capping of beam time exceeding 6.5 %.

It is estimated that more than 1000 scientists (including PhD students) from the Nordic countries are engaged in synchrotron radiation based research about half of these use ESRF in their research.

4. Organisation of Nordsync

4.1 Distribution of shares

The distribution of national shares between the four Nordsync countries changes every third year based on the distribution of DONE (8 hour) shifts at the ESRF beamlines by the national users, in the preceding three years. This procedure is in accordance with the Nordsync agreement (2008). The annual shares for each country of the DONE shifts for Nordsync are given in Table 2. The calculated distribution of shares for the periods (2014-16) and (2017-19) are presented in Table 3. Appendix 4 gives a more detailed description of the calculation of the national shares

Table 2 Annual distribution of the DONE shifts at ESRF between the Nordsync countries

	Annual percentage of the distribution of shifts				Data mining for distribution of shares (periods)		
Year	**Denmark**	**Finland**	**Norway**	**Sweden**	**2014-2016**	**2017-2019**	**2020-2022**
2009	19.8 %	13.2 %	24.1 %	43.0 %	X		
2010	28.5 %	8.2 %	16.3 %	47.0 %	X		
2011	25.7 %	9.7 %	22.7 %	42.0 %	X		
2012	22.8 %	11.6 %	28.9 %	36.7 %		X	
2013	22.3 %	20.0 %	24.0 %	33.7 %		X	
2014	22.6 %	15.6 %	23.9 %	37.9 %		X	
2015	22.2%	15.8 %	20.8 %	41.3%			X
2016	28.3%	12.9%	16.4%	42.4%			X
2017	27.8 %	8.5 %	22.0 %	41.6 %			X

Table 3 National shares of the Nordsync membership of ESRF (2014-2016) and (2017-2019)

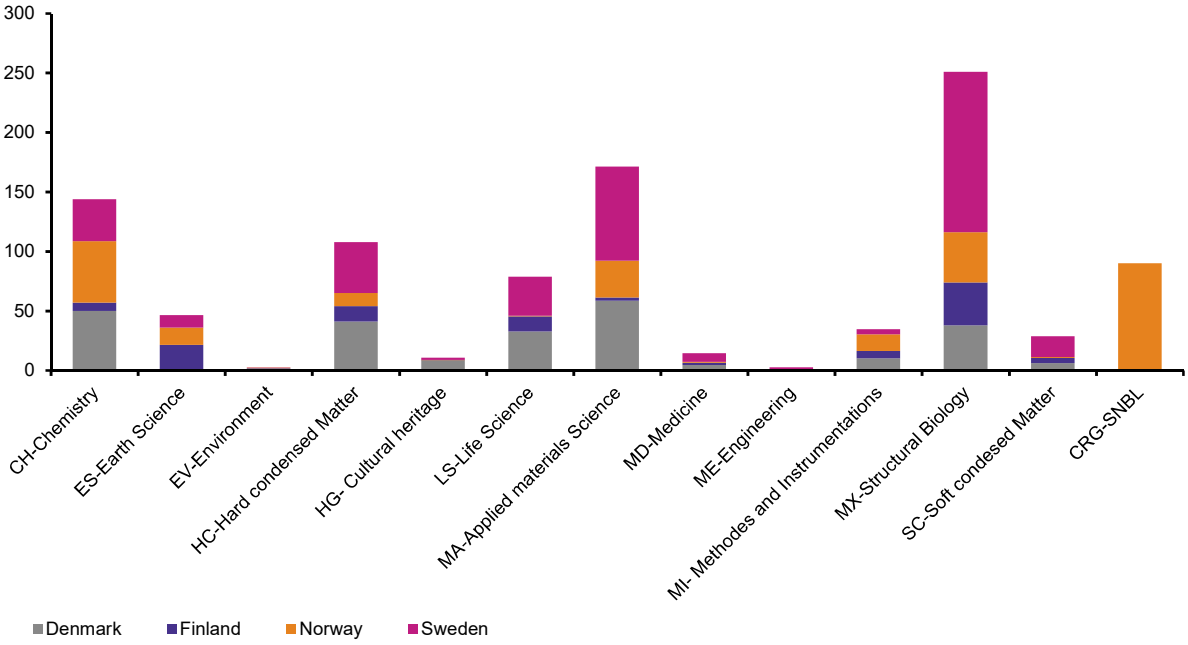
National shares	**2014-2016**	**2017-2019**
Denmark	24.66 %	22.57 %
Finland	10.35 %	15.73 %
Norway	21.03 %	25.60 %
Sweden	43.98 %	36.10 %
Subtotal	**100 %**	**100 %**

Twice a year (March and September) scientists can apply for beam time at all public beamlines and available CRG beamlines at the ESRF by submitting a proposal that describes the expected scientific outcome and the experiment to be performed at ESRF beamline(s). Eleven proposal review panels review the applications submitted for beam time at a specific group of beamlines, which match the group structure of the ESRF. The submitted proposals are also categorized into twelve scientific areas.

In 2017 the ESRF received 2409 proposals of which 1022 were allocated beam time. 7068 users visited the ESRF in 2017 to take part in 1907 experiments, using beam time corresponding to 16578 shifts of 8 hours.

The allocated beam time to Nordic users distributed per scientific category is presented in Figure 3. There are significant differences between the four countries in their scientific use of the ESRF; Sweden and Finland have the largest number of users within MX-structural biology. In Denmark, the majority of used shifts is within materials science and Norway's large number of shifts in chemistry is influenced by the use the Swiss – Norwegian beam line (SNBL).

Figure 3: Distribution of beam time statistics at ESRF pr. scientific area for the Nordsync countries in 2017. Calculated on DONE shifts e.g. beam time delivered[1].



4.2 Nordsync`s representation in Council and Administrative and Financial committee (AFC)

The Nordsync has a representative from each of the four member's countries. The members of the steering committee represent Nordsync in the ESRF Council as:

1. Member of Council and Head of Delegation (HoD)
2. Member of Council
3. Member of Council
4. Adviser in the Council **and substitute for a member *and Vice Head of Delegation***

According to the decision of the Nordsync Annual Meeting 2013, the council assignments shall rotate every second year among the steering committee members following the order Sweden-Finland-Norway-Denmark, with the Swedish representative acting as Head of Delegation in 2012, Finland in 2013-2014 and so forth.

Head of delegation

- 2012: Sweden
- 2013–2014: Finland
- 2015–2016: Norway
- 2017–2018: Denmark

[1] Pr. country in periods 2016/II and 2017/I.

- 2019–2020: Sweden

and so forth.

According to the decision made in the Nordsync Annual Meeting 2013, the administrative and finance committee (AFC) assignments shall rotate every second year among the steering committee members following the order Sweden-Finland-Norway-Denmark, with the exception during 2014–2017. This is due to Norway acting as the chair of the AFC in 2012–2015.
The (three) two-year rotations of AFC HoD follow:

- 2011–2013: Finland
- 2014–2015: Denmark
- 2016–2017: Norway
- 2018–2019: Sweden

Delegations in 2017

The representation of Nordsync in the ESRF Council by the steering committee was in 2017 as follows:

- Head of Delegation Sine Larsen, Denmark (June & November Council)
- Delegate Helmer Fjellvåg, Norway (June & November Council)
- Delegate Ingmar Persson, Sweden (June and November Council)
  Adviser Keijo Hämäläinen (June & November Council)

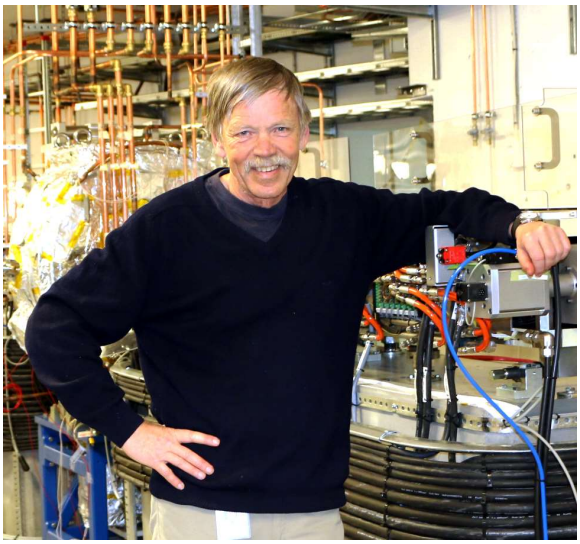
The representation of Nordsync in the AFC in 2017 was as follows:

- Aase M. Hundere, Norway, adviser (Head of Delegation, May and October AFC)
- Fredrik Melander, Denmark, delegate (May AFC); Victoria Fuglsang-Damgaard, Denmark, delegate (October AFC)
- Ritva Taurio, Finland, delegate (May AFC)
- Hanifeh Khayyeri, Sweden, delegate (May and October AFC)

5. The visibility of Nordsync at ESRF

Mikael Eriksson, previous machine Director at MAX IV has represented Nordsync in the ESRF Machine Advisory Committee (MAC) 2015-17, and will continue as Nordsync representative for the period 2018-2020. The proposition of the ESRF management to have the present machine director at MAX IV Pedro F. Tavares as member of the MAC 2018-2020 was approved by the Council at meeting 27-28 November 2017.

Ragnvald Mathiesen from Norway has been representing Nordsync in at the Scientific Advisory Committee (SAC) in the period 2013-2017. His replacement by Per Ahlberg from Uppsala University, Sweden in the renewed SAC for the period 2018-2020 was also approved by the council at the meeting November 2017.



Mikael Eriksson

MAC – 2015-2020

Previous Machine Director at MAX IV

Pedro F. Tavares

MAC – 2018-2020

Machine Director at MAX IV

Ragnvald Mathiesen

SAC – 2013-2017

Norges teknisk-naturvitenskapelige universitet, Trondheim

Per Ahlberg

SAC – 2018-2020

Uppsala University

Review committees for beam time allocation

Following the reorganisation in 2012, the total number of beam time allocation committees in 2017 was 11. The committees are nominated by the Research Directors at ESRF. All member countries are welcome to suggest candidates for the committees and the Nordsync consortium generally encourages national user communities to take this opportunity. The members from Nordsync countries in the committees are shown in bold.

C01 (Beamlines: ID02, ID03, BM25B, BM32) - **Chair: Edwin Lundgren, Sweden, Oliver Balmes, Sweden)**

This committee deals with surfaces and interface science, including diffraction and spectroscopy.

C02 (Beamlines: ID11, ID15A, ID22, ID31) - Chair: Artem Abakumov, Russia, **David Wragg, Norway**

This committee deals with proposals related to chemistry, atomic structures of material, engineering materials sciences and diffraction.

C03 (Beamlines ID12, ID32) - Chair: Andrea Severing, Germany

This committee deals with spectroscopy, magnetism, chemistry and the electronic structures of materials.

C04 (Beamlines: BM08, BM16, BM20, BM23, BM25A, BM26A, BM30B, BM31) - Chair: Jeroen Van Bokhoven, Switzerland

This committee addresses the electronic and magnetic properties of materials; structural properties aspects are included but only when related directly to magnetic or electronic properties. Techniques/methods include EXAFS, Powder Diffraction, Magnetism.

C05 (Beamlines: ID06-LVP, ID15B, ID27, ID28, BM01) - Chair: Valentina Giordano, France.

This committee deals with studies of the structures of ordered systems, studies under extreme conditions, dynamics and spectroscopy.

C06 (Beamlines: ID17, ID19) - Chair: Bert Müller; Switzerland)

This committee deals with studies of industrial or engineering relevance, as well as biomedical research involving 2D-3D X-ray imaging. In addition it reviews radiobiology and radiotherapy-related proposals.

C07 (Beamlines: ID16A-NI, ID16B-NA, ID21) - Chair: Owen Addison, Belgium

This committee reviews proposals involving nanomaterial, environmental science, and spectroscopy.

C08 (Beamlines: ID02, ID13, BM26B) - Chair: Himadri Shikhar Gupt. United Kingdom.

This committee reviews proposals on SAXS and soft condensed matter.

C09 (Beamlines: ID09, ID10, BM02, BM28) - Chair: Michel Goldmann, France, **Adrian Rennie, Sweden**

This committee reviews proposals on spectroscopy and diffraction experiments on soft condensed matter.

C10 (Structural Biology Beamlines: ID23-1, ID23-2, ID29, ID30A-1, ID30A-3, ID30B, BM29, BM14U and BM30A) - Chair: Gerlind Sulzenbacher, France, **Marjolein Thunnissen, Sweden**

This committee reviews proposals to study the structures of biological macromolecules using X-ray crystallography. Experimental methods include single or multi-wavelength anomalous dispersion (SAD/MAD), molecular replacement using fixed wavelength X-rays, and Laue techniques.

C11 (Beamlines: ID20, ID24, ID26) - Chair: Martin Feiters, The Netherlands

The committee review proposals for a range of X-ray spectroscopic measurements studying electronic and magnetic excitations in matter using resonant and non-resonant inelastic X-ray scattering as well as emission spectroscopy.

Staff at ESRF from the Nordic Countries

The representation of the four Nordic countries in the scientific and technical staff of the ESRF corresponds roughly to Nordsync's 5% share. Table 4 lists the names and nationalities of the three scientists and three engineers from the Nordsync countries, who for many years have contributed to the successful development of the ESRF.

In addition, many young scientists from the Nordsync countries are appointed in temporary positions to work at the ESRF. The Nordsync countries are well represented in the post doc staff of the ESRF. More recently also even younger people from the four Nordic countries have used the opportunities offered by the ESRF traineeships. Three trainees took part in the program in 2017. It is worth noting that the four Nordic countries are equally well represented in the post doc and trainee appointments.

Table 4 Staff with Nordic affiliation at the ESRF in 2017.

Scientist			
Name	First name	Nationality	Contract
HONKIMAKI	VEIJO	FINLAND	CDI
WULFF	MICHAEL	DENMARK	CDI
SUURONEN	JUSSI-PETTERI	FINLAND	CCD

Engineers			
Name	First name	Nationality	Contract
SVENSSON	OLOF	SWEDISH	CDI
OHLSSON	STAFFAN	SWEDISH	CDI
OSKARSSON	MARCUS	SWEDISH	CDI

** CDD = temporary contract, CDI = permanent contract*

The Swiss-Norwegian Beamline (SNBL) at BM01 A + B was the oldest and one of the most successful and productive CRG-beamlines at ESRF, and it contributes to the Nordic visibility at ESRF in a positive way. Among its strengths is the possibility to use

many different and combined techniques, considered a great asset of SNBL by its many users.

With the new EBS lattice it will not be possible to have two branches at the bending magnet beamlines, and this will affect and necessitate change of all CRG beamlines at the ESRF. The SNBL was fortunate that the bending magnet beamline BM31 became vacant in 2016, which enabled a move of BM01B to BM31 in May 2016, after it became operational in October 2016, the SNBL user community is now served by two independent BM beamlines. This has increased the flexibility and given new options to employ and develop new techniques keeping SNBL at the forefront of CRG beamlines at ESRF.

6. Purchases from the Nordic countries

The return coefficient for purchases from the Nordic countries has always been low. The situation has improved significantly since late 2015 due to the purchase of magnets for EBS from the Danish company Danfysik. This purchase from a Nordsync supplier continued into 2017. The return coefficient in for the period of 2015 to 2017 was 0.93. The full statistics is presented in Appendix 2.

7. Nordsync annual meeting 2017

Nordsync held its annual meeting at the Danish Agency for Science and Higher Education on 9th October 2017. The minutes of the meeting are included as Appendix 3.

The annual meeting 2018 will be held in Copenhagen on 12th October 2018.

The Nordsync Delegation, Council and AFC-members at the Nordsync Annual Meeting 2018

Appendix 1. Beam time statistics

The following pages display statistics for beam time allocated, scheduled, and number of shifts actually done by the Nordsync countries for the proposal rounds 10/2015 and 4/2016. The code in the first column refers to beam time allocation committee. All proposals containing at least one institution from a Nordsync country are shown, and the breakdown is by country. The same proposal may appear in two different tables if there are applicants from two Nordic countries. The country of the main applicant is also shown: it does not have to be the same as the country listed in the table. The table is without project titles. The list of CRG proposals is not included in these tables.

Denmark

ID	All Req. BL (shifts)	Alloc. BL (shifts)	Done BL (shifts)	Country Code
CH-4986	ID11 (9), ID15A, ID31	ID31 (9)	ID31 (9)	IT
CH-4995	ID15A (9), ID31, ID11			DK
CH-5006	ID31 (6), ID15A			DE
CH-5014	ID12 (18)	ID12 (6)	ID12 (6)	DK
CH-5053	BM31 (15)			DK
CH-5066	BM01 (12)	BM01 (9)	BM01 (9)	DK
CH-5073	ID06-LVP (15)			DK
CH-5082	ID27 (12)			DK
CH-5104	BM26B (9), BM02			DK
CH-5116	ID26 (18), ID20	ID26 (18)	ID26 (18)	IT
CH-5157	ID22 (18)	ID22 (18)	ID22 (18)	IT
CH-5170	ID31 (6), ID15A			DE
CH-5176	ID12 (15)			FR
CH-5200	BM23 (18), BM26A, BM31			IT
CH-5241	ID06-LVP (15)			DK
CH-5253	ID27 (9)			DK
CH-5266	ID02 (6)			DK
CH-5289	ID24 (18)	ID24 (18)	ID24 (18)	ESRF
CH-5353	ID12 (18)	ID12 (36)	ID12 (18)	FR
EV-224	ID11 (5), ID15A			DK
EV-228	BM20 (18)			DK
HC-2810	ID28 (18)	ID28 (36)	ID28 (9)	DK
HC-2933	ID11 (18)	ID11 (18)	ID11 (18)	DK
HC-3004	ID32 (18)			CH
HC-3052	BM01 (9)			DK
HC-3158	ID10 (18)			FR
HC-3299	ID32 (18)			CH

HC-3348	BM01 (9)			DK
HC-3351	BM01 (12)			NO
HC-3392	ID27 (18), ID15B			AU
HC-3445	ID10 (18)	ID10 (15)	ID10 (15)	FR
HG-106	ID21 (6), ID13 (3)			DK
HG-107	ID21 (18)	ID21 (18)	ID21 (33)	IT
LS-2600	ID15A (9)	ID15A (9)	ID15A (9)	DK
LS-2607	BM30B (9), BM26A			DK
LS-2626	ID16A-NI (17)			DK
LS-2628	ID16A-NI (18)			DK
LS-2654	ID13 (12)	ID13 (12)	ID13 (12)	DK
LS-2665	ID09 (15)	ID09 (15)	ID09 (18)	SE
LS-2679	BM30B (9), BM26A	BM30B (15)	BM30B (15)	DK
LS-2702	ID16A-NI (15)	ID16A-NI (15)	ID16A-NI (15)	DK
LS-2704	ID16A-NI (12)	ID16A-NI (12)	ID16A-NI (12)	DK
MA-1317 (LT)	ID11 (107), ID06A	ID06A (90), ID11 (263)	ID06A (203), ID11 (105)	DK
MA-3230	ID19 (15)	ID19 (24)	ID19 (17)	NO
MA-3317	ID01 (9)	ID01 (9)	ID01 (9)	SE
MA-3333	ID01 (9)	ID01 (9)	ID01 (9)	ESRF
MA-3368	ID11 (18)			DK
MA-3378	ID11 (12)			ESRF
MA-3380	ID11 (18)	ID11 (18)	ID11 (18)	DK
MA-3390	ID15A (6), ID19			DK
MA-3500	ID16B-NA (15)	ID16B-NA (15)	ID16B-NA (15)	DK
MA-3539	ID10 (18)			NO
MA-3553	ID24 (9)			CH
MA-3604	BM32 (9)			NL
MA-3622	ID11 (15)	ID11 (15)	ID11 (15)	DK
MA-3711	BM31 (15)	BM31 (15)	BM31 (15)	DK
MA-3714	BM01 (15), ID15B	BM01 (15)	BM01 (15)	DK
MA-3767	ID16A-NI (6), ID16B-NA	ID16A-NI (12)	ID16A-NI (12)	DK
MA-3825	ID10 (18)			NO
MD-830 (LT)	ID16A-NI (108)	ID16A-NI (114)	ID16A-NI (91)	FR
ME-1455	ID19 (4)			DK
ME-1467	ID19 (2)			DK
MX-1895 (BAG)	BM29, ID23-2, ID30A-3, ID23-1, ID29, ID30A-1	BM29 (12), ID23-1 (3), ID23-2 (9), ID29 (3), ID30A-1 (4), ID30A-3 (6)	BM29 (9), ID23-1 (3), ID23-2 (6), ID29 (3), ID30A-1 (4.5), ID30A-3 (9)	SE
MX-1901 (BAG)	BM29, ID23-1, ID29, ID30B, ID23-2	BM29 (6), ID23-1 (12), ID23-2 (3), ID29 (15), ID30B (6)	BM29 (6), ID23-1 (12), ID23-2 (3),	DK

			ID29 (12), ID30B (3)	
SC-4531	ID09 (12)	ID09 (15)	ID09 (21)	IL
SC-4690	BM28 (9)			DK

Finland

ID	All Req. BL (shifts)	Alloc. BL (shifts)	Done BL (shifts)	Country Code
CH-5136	ID03 (18)			FI
CH-5203	BM23 (18)			FI
CH-5470	ID20 (20)	ID20 (18)	ID20 (18)	NL
ES-583	ID19 (12)	ID19 (12)	ID19 (8)	FI
ES-587	ID19 (9)	ID19 (9)	ID19 (10)	GB
ES-621	BM30B (18)	BM30B (18)	BM30B (21)	DE
ES-624	BM30B (18)			DE
ES-666	ID19 (12)			FI
HC-3290	ID32 (15)			FR
HC-3304	ID32 (15)			FR
HC-3460	ID20 (18)	ID20 (18)	ID20 (18)	FI
LS-2618	ID19 (9)			FI
LS-2683	ID17 (12)			IT
LS-2689	ID19 (9)			FI
LS-2715	ID21 (12)			FI
MA-3658	ID12 (18)			FI
MA-3777	ID16B-NA (15)	ID16B-NA (15)	ID16B-NA (15)	FR
MA-3801	BM26B (3)			FI
MD-1010	ID17 (15)	ID17 (24)	ID17 (18)	BE
MD-1067 (LT)	ID17 (60)	ID17 (3)	ID17 (3)	FR
MX-1792 (BAG)	BM29, ID30A-1, ID23-1, ID29, BM14U, ID30A-3, BM30A, ID30B	BM14U (3), BM29 (12), BM30A (3), ID23-1 (6), ID29 (6), ID30A-1 (24), ID30A-3 (6), ID30B (3)	BM14U (3), BM29 (10), BM30A (3), ID23-1 (6), ID29 (6), ID30A-1 (10.1), ID30A-3 (3), ID30B (3)	NO
MX-1828 (BAG)	ID30A-1, ID23-1, BM14U, ID30A-3, ID29, BM30A, BM29, ID23-2, ID30B	BM14U (3), BM29 (1), BM30A (6), ID23-1 (9), ID23-2 (3), ID29 (6), ID30A-1 (12), ID30A-3 (12), ID30B (2)	BM14U (3), BM29 (1), BM30A (6), ID23-1 (9), ID30A-1 (11.3), ID30A-3 (9), ID30B (2)	GB
MX-1850 (BAG)	BM29, ID30A-1, ID30B, ID30A-3, ID23-1, BM30A	BM29 (6), BM30A (3), ID23-1 (1), ID30A-1 (12), ID30A-3 (6), ID30B (6)	BM29 (6), BM30A (3), ID23-1 (1), ID30A-1 (9.9), ID30A-3 (4.5), ID30B (3)	FI
MX-1933 (BAG)	BM29, ID30A-1, ID23-1, ID30B, ID23-2, ID30A-3, ID29	BM29 (6), ID23-1 (6), ID23-2 (6), ID29 (1), ID30A-1 (12), ID30A-3 (6), ID30B (6)	BM29 (9), ID23-1 (6), ID23-2 (6), ID29 (1), ID30A-1 (6.4), ID30A-3 (6), ID30B (6)	FI
SC-4526	BM02 (9)			FR
SC-4571	ID20 (12)	ID20 (12)	ID20 (14)	GB
SC-4589	ID19 (9)			FI

Norway

ID	All Req. BL (shifts)	Alloc. BL (shifts)	Done BL (shifts)	Country Code
CH-4990	ID15A (15), ID11, ID22	ID15A (15)	ID15A (14)	NO
CH-4993	ID15A (18), ID11, ID31	ID15A (18)	ID15A (18)	NO
CH-4994	ID15A (15), ID11, ID31			NO
CH-5011	ID12 (12)			RU
CH-5056	BM31 (9), BM23, BM25A			NO
CH-5058	BM31 (18)			GB
CH-5059	BM31 (18)			NO
CH-5060	BM31 (18)			NO
CH-5061	BM31 (18)			NO
CH-5067	BM01 (6)			NO
CH-5070	BM01 (3), ID11, BM31 (6), ID22			IT
CH-5071	BM01 (3), ID11, BM31 (9), ID22	ID22 (18)	ID22 (15)	IT
CH-5116	ID26 (18), ID20	ID26 (18)	ID26 (18)	IT
CH-5200	BM23 (18), BM26A, BM31			IT
CH-5204	BM23 (18)	BM23 (18)	BM23 (18)	IT
CH-5231	BM31 (18), BM23	BM31 (15)	BM31 (15)	GB
CH-5232	BM31 (18)			NO
CH-5233	BM31 (15)	BM31 (15)	BM31 (15)	CH
CH-5277	ID10 (18)	ID10 (18)	ID10 (18)	FR
ES-295 (LT)	ID19 (63)	ID19 (63)	ID19 (52.5)	FR
ES-410	ID19 (9)	ID19 (18)	ID19 (10)	NO
ES-674	ID19 (9)			NO
HC-2908	ID01 (15), ID13			NO
HC-3048	BM31 (9), ID22	ID22 (3)		NO
HC-3049	BM31 (9), BM25A			NO
HC-3051	BM31 (7)			NO
HC-3220	ID03 (9)	ID03 (9)	ID03 (11)	NO
HC-3345	BM26A (6)			NO
HC-3347	BM31 (9)	BM31 (15)	BM31 (15)	RU
HC-3350	BM01 (9)			NO
HC-3351	BM01 (12)			NO
HC-3451	BM28 (18)	BM28 (18)	BM28 (18)	NO

HC-3454	ID20 (18)			ESRF
HG-116	ID21 (12)	ID21 (3)	ID21 (6)	NO
MA-3230	ID19 (15)	ID19 (24)	ID19 (17)	NO
MA-3376	ID11 (9), ID22, ID31			NO
MA-3459	BM31 (9)	BM31 (15)	BM31 (9)	NO
MA-3460	BM31 (18)			NO
MA-3539	ID10 (18)			NO
MA-3546	ID10 (12)			NO
MA-3648	ID22 (15), ID11, ID15A			NO
MA-3712	BM31 (15)			NO
MA-3825	ID10 (18)			NO
MI-1286	ID21 (18)	ID21 (18)	ID21 (18)	NO
MX-1792 (BAG)	BM29, ID30A-1, ID23-1, ID29, BM14U, ID30A-3, BM30A, ID30B	BM14U (3), BM29 (12), BM30A (3), ID23-1 (6), ID29 (6), ID30A-1 (24), ID30A-3 (6), ID30B (3)	BM14U (3), BM29 (10), BM30A (3), ID23-1 (6), ID29 (6), ID30A-1 (10.1), ID30A-3 (3), ID30B (3)	NO
MX-1892 (BAG)	BM29, ID30A-1, ID23-1, ID29, BM30A, ID30A-3, ID23-2	BM29 (12), BM30A (6), ID23-1 (6), ID23-2 (3), ID29 (6), ID30A-1 (6), ID30A-3 (6)	BM29 (12), BM30A (6), ID23-1 (6), ID29 (6), ID30A-1 (4.8), ID30A-3 (6)	NO
MX-1933 (BAG)	BM29, ID30A-1, ID23-1, ID30B, ID23-2, ID30A-3, ID29	BM29 (6), ID23-1 (6), ID23-2 (6), ID29 (1), ID30A-1 (12), ID30A-3 (6), ID30B (6)	BM29 (9), ID23-1 (6), ID23-2 (6), ID29 (1), ID30A-1 (6.4), ID30A-3 (6), ID30B (6)	FI
SC-4474	ID02 (12), BM26B, ID10			FR
SC-4672	ID10 (12)			NO

Sweden

ID	All Req. BL (shifts)	Alloc. BL (shifts)	Done BL (shifts)	Country Code
CH-4978	ID03 (18)			ES
CH-5008	ID31 (15)	ID31 (15)	ID31 (15)	SE
CH-5074	ID06-LVP (12)			SE
CH-5101	ID02 (9)			BE
CH-5105	BM26B (6), ID02			SE
CH-5106	BM26B (6)	BM26B (9)	BM26B (9)	BR
CH-5113	BM28 (18), BM02, ID03			SE
CH-5114	ID24 (18)	ID24 (18)	ID24 (18)	SE
CH-5131	ID03 (18)	ID03 (18)	ID03 (18)	SE
CH-5137	ID03 (18)	ID03 (18)	ID03 (18)	DE
CH-5242	ID06-LVP (12)			SE
CH-5273	ID09 (21)			DE
CH-5276	ID09 (15)	ID09 (18)	ID09 (18)	SE
CH-5284	ID24 (18), ID15A (18)			SE
CH-5296	ID26 (18)			SE
CH-5297	ID26 (18)			SE
ES-581	ID19 (3)	ID19 (3)	ID19 (3)	SE
ES-594	ID21 (12)			SE
ES-671	ID19 (3)			SE
ES-673	ID19 (12)	ID19 (12)	ID19 (18)	CZ
ES-682	ID21 (12)	ID21 (9)	ID21 (9)	SE
EV-232	BM25A (12)			ES
EV-255	ID31 (18)	ID31 (18)	ID31 (18)	SE
EV-286	ID02 (6)			SE
EV-289	ID26 (18), BM20	BM20 (18)	BM20 (18)	ESRF
HC-2919	ID03 (18)			SE
HC-3015	ID32 (18)			GB
HC-3026	ID32 (9)			SE
HC-3056	BM01 (15)			SE
HC-3061	ID15B (6), ID27			SE
HC-3113	ID28 (18)			ESRF
HC-3128	ID16B-NA (18), ID01, ID11	ID16B-NA (12)	ID16B-NA (12)	SE
HC-3149	ID09 (18)			DE
HC-3150	ID09 (18)	ID09 (18)	ID09 (18)	DE

HC-3156	ID10 (9)			RU
HC-3174	ID20 (18)			SE
HC-3189	ID26 (12)			SE
HC-3218	ID03 (18)			SE
HC-3219	ID03 (18)			SE
HC-3224	BM32 (18)			FR
HC-3238	ID22 (6), ID11, BM01	ID22 (6)	ID22 (6)	RU
HC-3306	ID32 (18)			SE
HC-3336	BM20 (15)			SE
HC-3351	BM01 (12)			NO
HC-3359	ID15B (6), ID27			SE
HC-3391	ID27 (12), ID15B, ID24 (15), BM23	BM23 (18), ID15B (9)	BM23 (18), ID15B (9)	ESRF
HC-3443	ID10 (12)			RU
HC-3451	BM28 (18)	BM28 (18)	BM28 (18)	NO
HG-99	ID22 (6), ID15A, ID31	ID22 (6)	ID22 (6)	SE
LS-2614	ID19 (12)	ID19 (9)	ID19 (9)	GB
LS-2615	ID19 (12), ID17			SE
LS-2626	ID16A-NI (17)			DK
LS-2633	ID16A-NI (18)			SE
LS-2634	ID16A-NI (18)	ID16A-NI (15)	ID16A-NI (15)	IT
LS-2656	ID13 (9)			FR
LS-2663	BM26B (6)			SE
LS-2665	ID09 (15)	ID09 (15)	ID09 (18)	SE
LS-2685	ID19 (6)			SE
LS-2686	ID19 (3)			SE
LS-2700	ID16A-NI (15)	ID16A-NI (15)	ID16A-NI (15)	BE
LS-2701	ID16A-NI (12), ID16B-NA			SE
LS-2702	ID16A-NI (15)	ID16A-NI (15)	ID16A-NI (15)	DK
LS-2703	ID16A-NI (15)			IT
LS-2718	ID02 (12)	ID02 (12)	ID02 (12)	CH
LS-2724	ID13 (9)	ID13 (6)	ID13 (6)	FR
LS-2726	ID13 (9)			SE
LS-2735	ID09 (18)	ID09 (18)	ID09 (15)	FR
LS-2736	ID09 (15)	ID09 (36)	ID09 (18)	SE
LS-2739	ID10 (3), BM26B			RU
LS-2740	ID10 (18)			SE
MA-2239 (LT)	ID03 (72)	ID03 (63)	ID03 (66)	SE
MA-3317	ID01 (9)	ID01 (9)	ID01 (9)	SE
MA-3320	ID01 (18)	ID01 (15)	ID01 (15)	FR

MA-3343	ID03 (12)			SE
MA-3359	BM32 (18)	BM32 (18)	BM32 (18)	SE
MA-3373	ID11 (12)	ID11 (12)	ID11 (12)	SE
MA-3377	ID11 (9)			SE
MA-3384	ID15A (5), ID11			SE
MA-3395	ID15A (6)	ID15A (6)	ID15A (9)	SE
MA-3418	ID31 (12)	ID31 (12)	ID31 (12)	SE
MA-3514	ID02 (6), BM26B			RU
MA-3530	BM02 (3), ID02			SE
MA-3547	ID10 (18)			SE
MA-3585	ID01 (18), ID13			SE
MA-3590	ID03 (9)			SE
MA-3591	ID03 (9)			SE
MA-3592	ID03 (12)			SE
MA-3606	BM32 (18)			SE
MA-3615	ID11 (12)	ID11 (12)	ID11 (15)	SE
MA-3735	ID19 (4)	ID19 (4)	ID19 (6)	FR
MA-3742	ID19 (3)			SE
MA-3760	ID19 (5)			SE
MA-3779	ID16B-NA (6)			SE
MA-3786	ID02 (6)	ID02 (9)	ID02 (9)	SE
MA-3788	ID02 (6), BM26B			RU
MA-3790	ID13 (6)			SE
MA-3820	ID09 (15)	ID09 (18)	ID09 (18)	US
MA-3832	ID10 (9)			SE
MA-3849	ID26 (18)			SE
MD-1031	ID17 (12)			FR
MD-1043	ID17 (15)			FR
MD-1044	ID17 (10)			ESRF
MD-1067 (LT)	ID17 (60)	ID17 (3)	ID17 (3)	FR
MD-1095	ID19 (9)			SE
MD-1102	ID19 (1)			SE
MD-1103	ID19 (5)			SE
MD-1104	ID19 (3)			SE
MD-1105	ID19 (3)			SE
MD-1111	ID16A-NI (15)			SE
ME-1438	ID15A (6)			ZA
ME-1440	ID15A (9)	ID15A (9)	ID15A (9)	ZA
ME-1441	ID15A (9)			ZA
ME-1463	ID15A (6)			MT
MI-1289	ID09 (15)			SE

MI-1293	ID01 (12)	ID01 (12)	ID01 (15)	CH
MX-1840 (BAG)	BM29, ID30A-1, ID23-1, ID29, ID30B, BM30A, ID23-2, ID30A-3	BM29 (4), BM30A (3), ID23-1 (6), ID23-2 (6), ID29 (9), ID30A-1 (3), ID30A-3 (9), ID30B (6)	BM29 (5), BM30A (3), ID23-1 (6), ID23-2 (3), ID29 (10), ID30A-3 (11), ID30B (6)	SE
MX-1846 (BAG)	ID23-1, ID29, ID30B, BM30A, ID30A-3	BM30A (3), ID23-1 (3), ID29 (6), ID30A-3 (3), ID30B (3)	ID23-1 (3), ID29 (1.5), ID30A-3 (4), ID30B (3)	SE
MX-1883 (BAG)	ID23-1, ID23-2, ID30A-3, ID29	ID23-1 (6), ID23-2 (6), ID29 (3), ID30A-3 (6)	ID23-1 (9), ID23-2 (6), ID29 (3), ID30A-3 (6)	SE
MX-1891 (BAG)	BM29, ID30A-1, ID23-1, ID29, BM30A, ID23-2, ID30A-3, ID30B	BM29 (9), BM30A (6), ID23-1 (12), ID23-2 (6), ID29 (18), ID30A-1 (6), ID30A-3 (12), ID30B (12)	ID23-1 (6), ID23-2 (3), ID29 (21), ID30A-1 (3.8), ID30A-3 (11.5), ID30B (6)	SE
MX-1895 (BAG)	BM29, ID23-2, ID30A-3, ID23-1, ID29, ID30A-1	BM29 (12), ID23-1 (3), ID23-2 (9), ID29 (3), ID30A-1 (4), ID30A-3 (6)	BM29 (9), ID23-1 (3), ID23-2 (6), ID29 (3), ID30A-1 (4.5), ID30A-3 (9)	SE
MX-1908	BM29 (3)	BM29 (3)	BM29 (3)	SE
MX-1923	BM29 (3), ID30B	BM29 (3), ID30B (3)	BM29 (2.5)	SE
MX-1929 (BAG)	NO BL			SE
MX-1948 (BAG)	BM29, ID30A-1, ID23-1, ID29, ID30B, ID23-2, ID30A-3	BM29 (4), ID23-1 (12), ID23-2 (10), ID29 (9), ID30A-1 (2), ID30A-3 (6), ID30B (6)	BM29 (2), ID23-1 (6), ID23-2 (12), ID29 (10), ID30A-1 (5.8), ID30A-3 (6), ID30B (6)	SE
MX-1964	ID23-1 (9), ID29	ID29 (3)	ID29 (3)	SE
MX-2014	CM01 (9)	CM01 (9)	CM01 (11)	SE
MX-2035	BM29 (3)	BM29 (3)	BM29 (3)	SE
SC-4470	ID02 (9)			SE
SC-4471	ID02 (4)	ID02 (9)	ID02 (9)	SE
SC-4488	ID02 (6)			SE
SC-4495	ID02 (9)			SE
SC-4518	BM26B (9)			SE
SC-4527	BM02 (6)			FR
SC-4543	ID10 (12)			RU
SC-4559	ID10 (9)	ID10 (18)		SE
SC-4569	ID10 (18)			DE
SC-4576	ID15A (15)	ID15A (15)	ID15A (20)	ESRF
SC-4597	ID02 (9)			SE
SC-4603	ID02 (9), ID01			DE
SC-4607	ID02 (9)			SE
SC-4611	ID02 (12)			SE
SC-4629	ID13 (15)	ID13 (15)	ID13 (21)	ESRF
SC-4632	ID13 (12), ID01, ID03			SE
SC-4643	BM26B (9)			BR

SC-4665	ID10 (12)			RU
SC-4677	ID10 (12)			SE
SC-4687	ID10 (18)			DE

Appendix 2. Purchase return coefficients for Nordsync

Evolution of “purchase return coefficients” from January 1996 to December 2017

Period	Return coefficient
1/96–12/98	0.26
1/97–12/99	0.17
1/98–12/00	0.25
1/99–12/01	0.28
1/00–12/02	0.33
1/01–12/03	0.31
1/02–12/04	0.34
1/03–12/05	0.54
1/04–12/06	0.50
1/05–12/07	0.63
1/06–12/08	0.58
1/07–12/09	0.57
1/08–12/10	0.50
1/09–12/11	0.41
1/10–12/12	0.37
1/11–12/13	0.31
1/12–12/14	0.30
01/13–12/15	1.21
01/14-12/16	0.95
01/14-12/17	0.93
Historical average	0.46

Appendix 3. Minutes of the annual Nordsync meeting 2017

Participants:

Sweden; Hanifeh Khayyeri (HK) and Ingmar Persson (IP)
Denmark: Sine Larsen (SL) and Victoria Fuglsang-Damgaard (VF)
Finland: Keijo Hämäläinen (KH) (Ritva Taurio – excused)
Norway: Aase Marie Hundere (AMH) and Helmer Fjellvåg (HF)

Location: Danish Agency for Science and Higher Education, Bredgade 40, Copenhagen

Date: October 9th 2017

Time: 10:30-16:00 (finished 15:30 due to travel schedules)

Item 1 Adoption of the agenda

The draft agenda was adopted.

Item 2 Approval of minutes from the 2016 Nordsync annual meeting in Oslo

AMH requested that feedback, if any should be sent to her as soon as possible.

Item 3 Report from the HoD meeting October 2, 2017

Nordsync`s head of delegation (SL), reported from the recent Head of Delegation meeting.

The ESRF has celebrated the 30.000th publication based on experiments deriving performed at ESRF. Furthermore, in 2017 the facility had received a record number of proposals (an increase of 10 %).

ESRF is initiating a Risk Assessment. The AFC will function as the auditing body.

ESRF-EBS Update: The construction of the EBS is progressing according to schedule.

Memberships: The negotiation with India has ended successfully, as India from July 2017 has become an associate member. There are ongoing negotiations with Czech Republic and Slovakia, and negotiations with Austria, Portugal and South Africa have initiated. Moreover, there are positive signals regarding outstanding contributions.

EBS Long shutdown 2018-2020: The overuse factor will be set to 1 during the shut-down (years 2019 and 2020), which is going to influence (reduce) Nordsync's payment of exceptional contribution. Results of the calculations are shown in the document *3.C – Impact of EBS Long shutdown 2018-2020.*

Budget for 2018: ESRF presented to options (1 % and 2 %) of increased income budget to cover increased expenses. The 2018 budget will be discussed in forthcoming AFC meeting and decided by Council in the end of November. Judged from the statements expressed at the HoD meeting, it seems difficult to reach a 2% increase.

Collective agreements: No agreement with the Unions has been reached on the Collective agreement, which at present is replaced with "General employment conditions at the ESRF". The negotiations are continuing.

Members for the MAC and SAC: At the HoD the new members to the MAC and SAC and the chairs of the two committees proposed by the management was presented. The Council will decide on the Council meeting in November. SL will convey Nordsync's minor comments to the Bertrand Girard.

Vice-Chairmanship of the Council beyond 2017: At present there are five candidates for the Vice-Chairmanship of the Council beyond 2017. Negotiations are ongoing. SL will keep the Nordsync members informed on the development.

Directors' appointment: The appointment of the current Director of Research for Life Sciences will end on 31/12/2019. Therefore, a decision concerning his appointment beyond 2019 should be taken by the Council at its meeting in November. The extension of some Directors contract beyond the eight years has previously been approved by the Council. There appears to be a need for clear guidelines for the extension of the contracts of the ESRF Directors, in particular for the time following 2021 when a majority of the current Directors' appointments ends. The Convention states that a position should not be held by the same person for too long as a basic principle. This need was also discussed at the HoD.

Item 4 Nordsync Annual Report 2016

a) Beamtime use 2016

The beamtime statistics for FI was agreed upon. AMH will discuss the beam time statistics bilaterally with HK and VF.

Cap allocation: AMH will circulate numbers on how much beamtime has been capped due to the beam time overuse.

b) Review of the draft annual report

A slightly adjusted outline of the Nordsync Annual Report has been introduced for the annual report for 2016. A first draft version sent Nordsync delegates was discussed and adjusted. A revised version will be drafted by AMH and circulated and finally approved by email correspondence.

The calculation of shares, including shifts removed will have to be checked, as there were found an inconsistency in the numbers shown in the Annual Report.

c) The distribution of information on the Nordic scientific use of ESRF within Nordsync

FI: Finland is regularly following the large research infrastructures and the use of it.

DK: In Denmark DANSCATT monitors the use and future need of synchrotron and neutron sources in order to have an overview of beamtime needed.

Item 5 Nordsync position on the ESRF proposed budget for 2018

The members of Nordsync are still in process of reaching a concluding position with respect to the two proposed options (+ 2 % and + 1 %). DK and SE will need a mandate for a budget increase of 2 %. HK and VF will check. The question about the electricity contract was raised. AFC delegates will follow up on this in the meeting and request a feedback from ESRF.

Item 6 Discussion of items on the agenda of the forthcoming ESRF AFC and Council meeting

AFC agenda: It was noted that the electricity, procurement and budget for 2018 will be discussed. An attention needs to be given to the ESRF Data Policy presentation.

Council meeting: VF will take part in the Council meeting as an observer.

Item 7 Information on national status regarding the projects MAX IV, ESS and EU-XFEL

Sweden (IP) presented updated information about the building and commissioning of beamlines at MAX IV. Currently there are two beamlines open for users (BioMAX and NanoMAX). There have been approx. 40 users so far, and the first paper from MAX IV has been published. It is not a scientific paper. There is a larger shut-down July 1st- Mid November where several new installations will be performed. The small ring is not open yet, but is expected to open early next year. Calls for beamtime on some of the beamlines currently under commissioning are expected early next year.

Science Director Jesper Andersen has left MAX IV in July 2017. The job advertisement for the position of a new director was published in August. There has been a significant interest. 6 interviews were held – the process is ongoing. The position will hopefully be filled January 1st 2018.

The following funding to MAX IV operation has been allocated: 280M SEK Swedish Research Council, 30M SEK (Research Council Board) and 56M SEK (Lund University) in total 366M SEK/year. (The actual running cost is estimated to 470M SEK/year).

There is an ongoing discussion about the legal form of MAX IV.

There are a lot of activities in regards to ESS. The construction is on-time, and the first neutrons are expected around 2020.

IP, HK and SL participated in the opening of the EU-XFEL. Two beamlines are now taking users.

Norway (HF): the access to the facilities is done on an individual basis e.g. for EU-XFEL. There is no public ownership of the strategy in Norway. In the Norwegian Research Council requests for funding is done on proposal-basis. The Ministry is responsible for e.g. ESRF and CERN.

Finland (KH): There is an ongoing process with the Finnish roadmap for Research Infrastructures. EU-XFEL is included in the roadmap.

Item 8 Information on national user meetings

Norway (HF) had their last user meeting in 2015. HF arranged a user meeting with the Swiss community. Norway would like to have a similar constellation as DANSCATT. Aim at having the first meeting in Autumn 2017.

Finland (KH) has a very active user community and there is established an annual meeting, which has been gathering users for almost 10 year at the early annual meeting. Structural biology community will take part in the meeting this year.

Sweden (IP): The next MAX IV User meeting will take place in September 2018. IP invites the Nordsync members to have a representative in the user organization at MAX IV.

Denmark: The Danish organisation for synchrotron and neutron users, DANSCATT had their grant renewed from the Danish Ministry of Science and Higher Education.

There was a discussion on how to stimulate interactions in the Nordic User Community. MAX IV User meeting could be a forum for this e.g. a Nordic day – on how to use synchrotron and neutron in the future/and specific research areas. IP will enquire the MAX IV management and will inform Nordsync at the ESRF Council meeting in Grenoble.

Item 9 Nordsync representation in SAC, MAC and proposal review panels

SAC and MAC covered in agenda item 3.

Proposal review panels: No comments.

Item 10 Head of Delegation of NORDSYNC in AFC 2018-2019

Sweden (HK) will be Head of Delegation for Nordsync in ESRF AFC for the period 2018-2019.

Item 11 Nordsync annual meeting 2018

The AFC meeting will take place October 18th-19th 2018. It was proposed to set the date for the Nordsync Annual meeting 2018 either October Friday 5th or 12th from 10.30-16.30 in Copenhagen. Both tentative dates depend on the HoD-meeting in October 2018. SL to check the dates for the next HoD-meeting.

Item 12 Any other business

No comments

Appendix 4. Calculation of the national shares

Calculations of the national shares

1. The calculations are based on data delivered by the ESRF containing information for each proposal on the number of DONE shifts, participating institutions, their nationality, and whether the proposal is a CRG proposal, normal proposal, or industrial proposal.
2. The National Fraction for each proposal is calculated as the number of participating institutions from the particular country divided by the total number of participating institutions. “Institutions” are considered as identical if they have the same postal address unless they belong to different research institutions or organisations. Only institutions from ESRF members or ESRF associates are considered. The ESRF itself is considered as a member institution.
3. A weight of 0.25 is assigned to the CRG proposals and a weight of 1.0 to the normal proposals. Industrial proposals are assigned a weight of 0.0.
4. For each proposal the weighted number of shifts is calculated as (Number of DONE shifts) × (National fraction) × (Weight)
5. The national share is calculated as (sum of weighted number of shifts for each country)/(sum of all weighted number of shifts for all Nordsync countries).

Payment for overuse at the ESRF

In case of a request from the ESRF for an additional contribution due to overuse in the preceding three years, the contribution from each Nordsync country shall be calculated using the national share valid for the year where the additional contribution is to be confirmed at the ESRF council.

‡ According to the ANNEX 1 to document on Scientific juste retour, “Guidelines for a Re-adjustment of Contribution Rates”, ESRF 10 June 1998.

Appendix 5 Nordsync delegation 2017

Council delegates

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Norway: Helmer Fjellvåg, helmer.fjellvag@kjemi.uio.no
Denmark: Sine Larsen, sine@chem.ku.dk (head of delegation in 2017-2018)

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