

NOVA University Network

Annual Report and Accounts 2017



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### Abbreviations of NOVA member institutions

AU-ST	University of Aarhus, Science and Technology
HU-AF	University of Helsinki, Faculty of Agriculture and Forestry
HU-V	University of Helsinki, Faculty of Veterinary Medicine
LBHI	Agricultural University of Iceland
LIFE	<i>University of Copenhagen, Faculty of Life Sciences (ceased to exist as per 31 December 2012)</i>
KU-HEALTH	<i>University of Copenhagen, Faculty of Health and Medical Sciences (ceased to be a NOVA member from 1 Jan. 2016)</i>
KU-SCIENCE	<i>University of Copenhagen, Faculty of Science (ceased to be a NOVA member from 1 Jan. 2017)</i>
NMBU	Norwegian University of Life Sciences
NVH	<i>Norwegian School of Veterinary Sciences (merged with UMB on 1 January 2014 and formed NMBU)</i>
SLU	Swedish University of Agricultural Sciences
UEF-F	University of Eastern Finland, School of Forest Sciences
UMB	<i>Norwegian University of Life Sciences (merged with NVH on 1 January 2014 and formed NMBU)</i>

### Abbreviations of BOVA member institutions

EMU	Estonian University of Life Sciences
ASU	Aleksandras Stulginskis University (Lithuania)
LLU	Latvia University of Agriculture
LSMU-VA	Lithuanian University of Health Sciences – Veterinary Academy

Approved on 21 Mar. 2018

Text where nothing else stated: Ingrid Aksnes Hjetland

## Executive Summary

In 2017, the number of courses organised in the NOVA University Network increased to 17 PhD courses and four master's courses. The total number of students on the courses increased. Less courses were cancelled. Despite this, the Network is still not reaching the ambitions set by the NOVA Board.

Besides continued focus on simplifying and streamlining the work, the Network's main task in 2017 was the development of a new NOVA Strategy for 2018-2021 and new regulations valid from 2018. This included a two-year pilot for a new and simpler funding model for NOVA courses starting in 2018. In 2018, it will be important to implement the changes and communicate them to the teachers.

From 2016, the number of member institutions has decreased. KU-HEALTH and KU-SCIENCE withdrew from 1 Jan. 2016 and 1 Jan. 2017, respectively. The reason for the withdrawals is financial issues at KU.

After a decrease in the recent years in Nordplus student mobility, it increased in 2016/2017. Especially the express mobility rose considerably. Erasmus+ exchange between the partners in the NOVA BOVA Nordplus Network decreased slightly in 2017.

The Secretariat has continued developing the NOVA website and the Network continued more systematic announcing of courses, also on Facebook.

Efforts made since 2016 to try to increase the collaboration with BOVA seem to have had an effect, especially as the part of BOVA students on NOVA PhD courses has increased. One NOVA PhD course will run in the Baltics in 2018.

The equity is reduced, as wished by the NOVA Board. This leads to a change in NOVA's financial situation. In the future, it will be important to assure that NOVA has the financial conditions to meet the ambitions in the new Strategy. In 2015, the Board appointed a task force on external funding. It has proved challenging to find new funding partners of NOVA's activities. No new agreements on external funding were made in 2017.

## 1. Context

The number of NOVA member institutions was reduced in 2016 and 2017. KU-HEALTH withdrew from the network from 1 Jan. 2016, whereas KU-SCIENCE ceased to be a NOVA member from 1 January 2017. The reason for the withdrawals are financial issues.

## 2. Activities 2017

NOVA facilitated 17 PhD courses and four master's courses, out of which one combined master's and PhD course in 2017. The Board approved a new NOVA Strategy for the period 2018-2021 and new regulations from 1 Jan. 2018. The network concentrated on increasing the number of PhD courses and continued simplifying and streamlining the work. NMBU continued its period as Chair and Secretariat of NOVA.

### 2.1. PhD and Master's Level Education

*Goals: For the strategy period 2014-2017, the goal is to offer 25 to 30 PhD courses a year and to spend approximately 70% of the total activity budget<sup>1</sup> on funding PhD courses. NOVA supports master's level courses in specific areas where Nordic cooperation can add particular value.<sup>2</sup>*

NOVA's main priority is to offer PhD courses of high international standard.

#### Open Call

There was one open call for PhD applications and master's courses exceeding EUR 5 000 in 2017 with three application rounds. The Board approved ten of ten PhD course applications, as well as two for a master's course and one for a course series on PhD level. As of 1 Mar. 2018, the total amount reserved for the approved PhD courses to be held in 2018 is approximately €230,000.

There were no major changes in the requirements, application or application system in 2017. However, in Dec. 2017, the Board approved new regulations from 2018 and a two-year pilot for a simpler funding model for NOVA course applications submitted between 2018 and 2019.

#### Evaluation

After an increase in the number of applications for PhD courses since 2013, the number of applications decreased from 20 in 2016 to 11 in 2017. Only one new application for a course series was submitted in 2017. However, there were four already approved course series from earlier Open Calls with courses scheduled for 2018. KU-SCIENCE submitted many applications. This is reflected in the number of applications in 2017.

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<sup>1</sup> Activity budget = PhD courses, master's courses, other projects and the planning of courses, NOVA guarantee, NOVA Student Board, strategy seminar.

<sup>2</sup> NOVA Strategy 2014-2017

It is positive that there are as many course series for the predictability for students and teachers: five on PhD level and one on master's level. This should be encouraged in the future as well. However, there have been some challenges connected to running all courses in a series when course leaders change jobs and/or difficult financial situations at the NOVA member institutions.

#### PhD courses 2017

In 2017, NOVA offered 17 PhD courses (out of which one was given as a combined PhD and master's course). As of 5 Mar. 2018, 15 of 17 PhD courses had reported to NOVA. The statistics in the Annual Report 2017 include the reported courses held in 2017 and a PhD course held in 2016 that was not included in the Annual Report 2016.<sup>3</sup> Flexibility concerning KU-SCIENCE's students' status as NOVA students was applied in 2017. Therefore, there are some KU-SCIENCE students registered as NOVA students in this Annual Report. Please see table 6 for detailed information on the courses offered in 2017. Of the 279 students attending the 16 courses, 202 (72%) were NOVA PhD or qualified master's students, 18 (6%) were BOVA students and 59 (21%) other students. One courses was cancelled due to lack of students (less than 10 qualified and registered NOVA students).

#### Evaluation

Despite the increase in the activity level for PhD courses, the activity level remained low compared to the goal of 25-30 PhD courses per year. Since 2014, the number of courses has doubled.

NOVA used more than the goal of approximately 70% of the activity budget on PhD courses. For the courses reimbursed in 2017 (including some courses run in 2016 and some of the courses run in 2017), NOVA used 95% of the total amount spent on activities on PhD courses, i.e. €192,000 of €203,000. One of the reasons for this high percentage is that no payments were made to master's courses in 2017. The master's courses run in 2017 will receive the payment in 2018.

The number of NOVA students attending the PhD courses decreased slightly in 2017 even though two more courses were organised in 2017 than in 2016, cf. table 1 below. The experience shows that it is challenging to attract NOVA students when there are teachers from only a few NOVA institutions involved in a course. Anchoring of NOVA at the member institutions and active marketing of the courses by all involved parties are therefore still important actions to assure that approved courses are held and to increase the number of NOVA students on the courses.

The student evaluations on the courses show that in general students are very satisfied with NOVA courses. The evaluations are available on the NOVA website.

The average percentage of students from each member institution (tables 4 and 5) is partially reflecting the number of students at the respective institutions, the number of courses hosted by each institution and the course topics. For instance, the share of SLU students attending PhD courses in 2016 decreased from 32 to 23% while the share of courses hosted by SLU plummeted from 50 to 7% (i.e. from 6 to 1 course). In 2017, the share of SLU students remained at the same level as in 2016 (23%), whereas the

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<sup>3</sup> The PhD course run in 2016 "Novel Ingredients – Processed for Novel Nutrition" (NMBU) is included in the statistics for the Annual Report 2017 due to reporting deadline after the finalisation of the Annual Report 2016. The PhD courses "Wood Biology and Biotechnology" (SLU) and "Novel Optimization Methods for Economic Modelling" (HU-AF), as well as the master's course "Sustainable Insect Management and Disease Control Based on RNAi Technology" (HU-AF), will be included in the Annual Report 2018 due to late reporting for one of the courses and reporting deadline after the finalisation of this report for the other two courses.

number of courses hosted by this institution augmented to five. However, the actual number of SLU students on PhD courses was stable in the period 2015-2017. NMBU's share of students rose considerably from 12% in 2016 to 22% in 2017 whereas the number of PhD courses per year was stable (one course). On the other side, AU-ST's part of students fell from 20% in 2016 to 12% in 2017. The number of courses organised by this institution was stable in the period (two courses). HU-AF experienced a slight reduction in the percentage of students on the courses. For the other institutions, the share of students stayed approximately at the same level as in 2016. This shows that awareness of NOVA at the member institutions among students and supervisors, as well as active marketing of the courses are very important.

*Table 1: Number of PhD Courses and PhD Students 2003-2017*

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Number of PhD courses	17	13	16	14	14	17	19	19	21	16	11	8	12	14	16
Number of NOVA PhD students on the courses	270	186	162	200	197	264	301	331	317	265	193	145	150	206	202

**Table 2: Percentage of NOVA PhD students in the NOVA PhD courses 2002-2017**

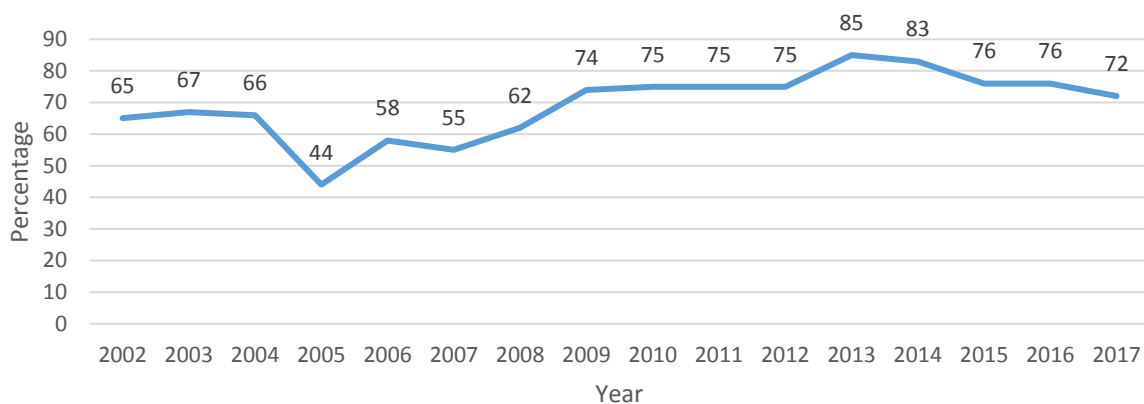


Table 3: Student attendance by member institution for all NOVA PhD courses 2017

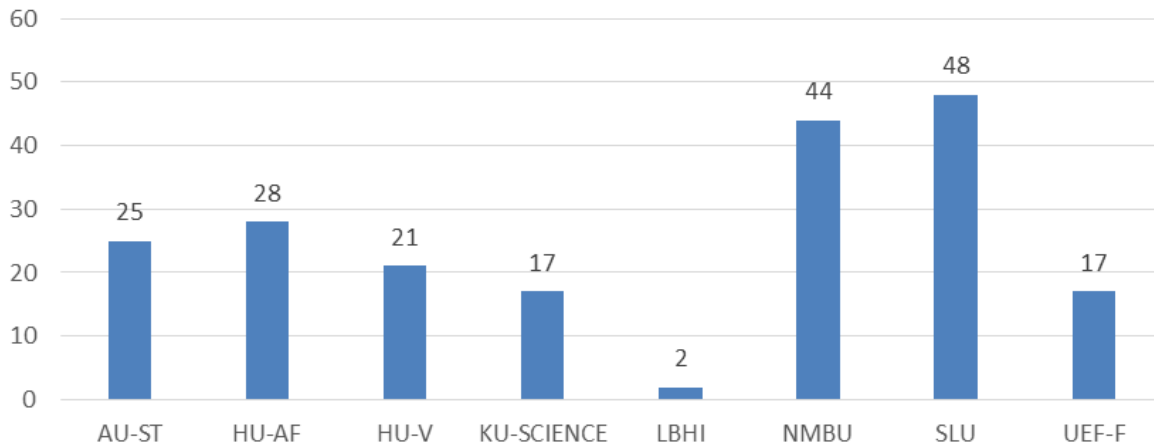


Table 4: Percentage of students by member institution, all NOVA PhD courses 2017

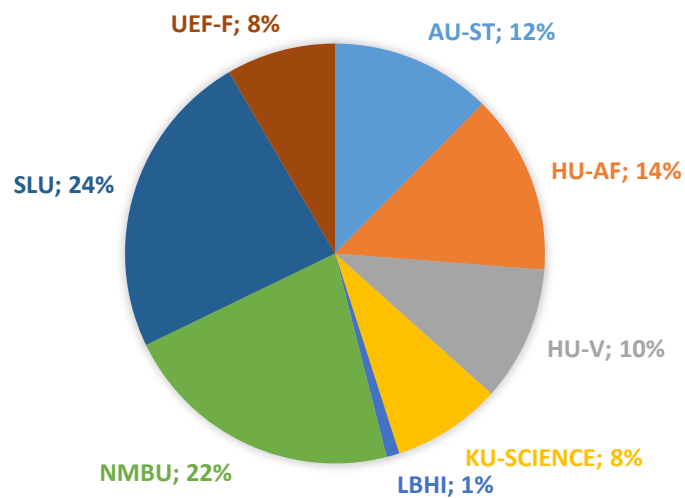
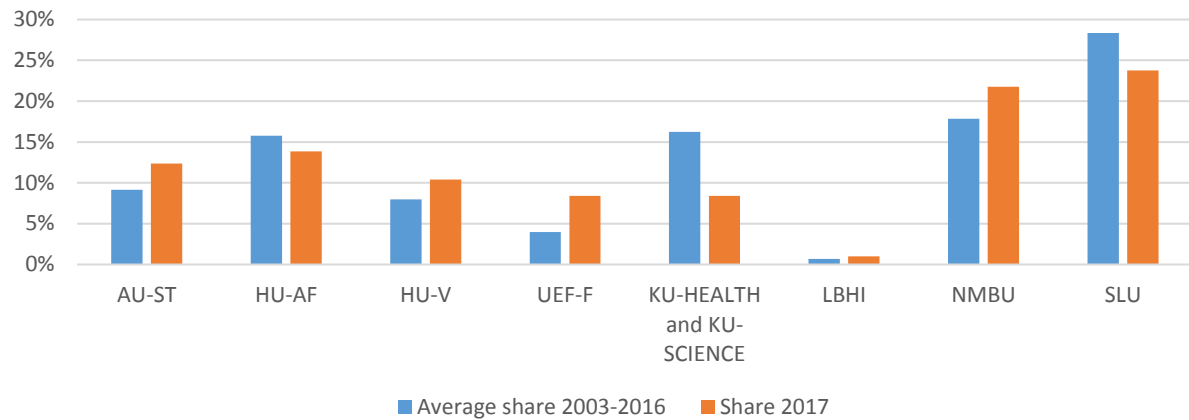


Table 5: Share of students (PhD) by member,  
years 2003-2016 and 2017



\*LIFE ceased to exist on 31 December 2012 and was replaced by KU-HEALTH and KU-SCIENCE. Numbers from 2003-2012 are for LIFE. Numbers between 2013 and 2016 are for KU-HEALTH and KU-SCIENCE. Numbers from 2017 are for KU-SCIENCE.

\*\*NVH and UMB merged to NMBU on 1 January 2014. Numbers from 2003-2013 are for NVH and UMB. Numbers from 2014 are for NMBU.



Table 6: NOVA Courses and Projects 2017

					Grant paid (incl. incentive grant if applied)	Total number of ECTS produced by NOVA students	Total number of ECTS produced	Number of NOVA students	Total number of students	Price per NOVA student	1 ECTS (all students)	NOVA student price	Percentage of maximum grant used (not including incentive grant if appl.)	Percentage of maximum grant plus incentive grant if used	
Course title	University/ Faculty	Maximum grant	Incentive grant	Maximum total payment from NOVA		ECTS									
NOVA PhD courses															
Novel Ingredients - Processed for Novel Nutrition	NMBU	18089	2500	20589	20289	5	40	55	15	18	1353	369	507	98 %	99 %
Nordic PhD Course Plant Breeding: Adaptation and Resilience in Plant Breeding	SLU	19191	2500	21691	17463	4	68	76	17	19	1027	230	257	78 %	81 %
Environmental Justice	KU-SCIENCE	17844	2500	20344	15887	6	60	96	10	16	1589	165	265	75 %	78 %
Stacking biodiversity benefits for sustainable IPM	KU-SCIENCE	10817	0	10817	9201	3	39	48	13	16	708	192	236	85 %	85 %
Framework for analysis and intervention: Cases in Kenya and Denmark (new name: Environmental Collaboration and Conflict Resolution - Framework for Analysis and Intervention. THEME: GREEN ENERGY: GLOBAL POTENTIAL - LOCAL CHALLENGE. Cases in Denmark and Kenya)	KU-SCIENCE	20578	2500	23078	21038	5	40	40	11	12	1913	526	526	90 %	91 %
GIS based analysis of ecosystem services	UEF-F	17444	2500	19944	11890	2	26	38	16	22	743	313	457	54 %	60 %
State of the art in international forest policy	SLU	14194	2500	16694	6193	7,5	30	52,5	4	8	1548	118	206	26 %	37 %
Governance at the 'edge' of the State: political subjectivity and citizenship	SLU	17178	2500	19678	16856	5	50	90	10	18	1686	187	337	84 %	86 %
Biological consequences of selection (Organised as a combined PhD and master's course)	AU-ST	12922	2500	15422	8978	3	36	39	12	13	748	230	249	50 %	58 %
Advanced Imaging Procedures in Canine Clinical Veterinary Science	HU-V	14306	2500	16806	8212	2	16	18	10	13	821	456	513	40 %	49 %
Molecular Epidemiology of Infectious Diseases	HU-V	12178	2500	14678	12728	3	51	105	19	37	670	121	250	84 %	87 %
Innovation systems in the bioeconomy	HU-AF	10939	2500	13439	9421	5	55	95	11	19	856	99	171	63 %	70 %
Design of Genetic Improvement Programs	AU-ST	9378	2500	11878	8466	3	45	51	15	17	564	166	188	64 %	71 %
Vethics - ethical challenges for veterinarians in One World - CANCELLED	SLU	20386	2500	22886	0	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Biological Control: Microbial interactions for improved plant health	SLU	17122	2500	19622	18292	4	56	92	14	23	1307	199	327	92 %	93 %
Invasive pest threats in the North	HU-AF	16444	2500	18944	13903	3	48	51	16	17	869	273	290	69 %	73 %
Introduction to Scientific Programming & Simulation	SLU	9000	2500	11500	10069	3	21	27	9	11	1119	373	479	84 %	88 %
Total		258010	40000	298010	208885		681	973,5	202	279	1034	215	307	65 %	70 %
NOVA Master's courses															
Nordic Zoo, Wildlife and Conservation Medicine	NMBU	15000	10000	25000	24800	6	66	126	13	24	1908	197	376	99 %	99 %
Feed ration planning in dairy cattle herds	AU-ST	15000		15000	8392	5	65	90	13	18	646	93	129	56 %	56 %
Biological consequences of selection (Organised as a combined PhD and master's course, the costs attributed the master's course were paid by Nordplus)	NMBU	5000		5000	0	5	45	45	9	9	0	0	0	0 %	0 %
Total		35000	10000	45000	33192		176	261	35	51	948	127	189	66 %	74 %
NOVA Other projects															
Total NOVA other projects		0	N.A.	0									N.A.	N.A.	
Total all NOVA courses and other projects 2017															
		293010	50000	343010	242077,2	0	857	1234,5	237	330				66 %	71 %

## Master's Courses 2017

According to the Strategy, NOVA supports master's level courses in specific areas where Nordic cooperation can add particular value. NOVA facilitated four master's courses in 2017, out of which one was a combined master's and PhD course. All of the approved courses were organised. Nordplus financed the master's course that was combined with a PhD course. Therefore, NOVA did not have to pay the grant that it had accorded that part of the course. Three of four courses were reported to NOVA by the editing of this Annual Report. 69% of the students attending the NOVA master's courses were NOVA students.

### *Evaluation*

It is positive that students from at least three NOVA member institutions attended all of the courses. One of the reasons can be that there were teachers from several NOVA institutions in the course and that networks that have been cooperating for a long time gave some of the courses. Promotion of the courses at all NOVA institutions will still be important to attract students from several NOVA institutions on the master's courses. As it is more difficult for master's students to attend an intensive course abroad than for PhD students, it is especially important to promote these courses well in advance of course start, to have good admission processes, and to organise courses at times when it is possible for master's students to attend intensive courses.

## 2.2. Other Projects

NOVA did not support any other projects in 2017. Projects that can be supported in this category is for instance course planning and support for application writing to other funding bodies.

### *Evaluation*

Despite an increase in the promotion of this funding possibility from 2016, no application for this funding scheme was submitted in 2017. Due to the lack of applications, it can be questioned if this funding scheme is a good incentive.

## 2.3. Mobility

Undergraduate students going on exchange to NOVA and BOVA institutions can be eligible for a mobility scholarship from the NOVA BOVA Nordplus Network or from Erasmus +. Most of the member universities have established Erasmus + agreements for long-term exchange and more of the funds from Nordplus can be used on express mobility for the intensive courses.

In the academic year 2016/2017, 66 NOVA master's students and three NOVA teachers received Nordplus mobility funding, see table 7<sup>4</sup>. The funding comes from Nordplus centrally. However, NOVA covers some of the mobility with the NOVA guarantee. 17 NOVA students went on Erasmus+ exchange to the partner universities in the NOVA BOVA Nordplus Network in 2016/2017, please see table 8<sup>5</sup>.

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<sup>4</sup> Including KU-HEALTH and KU-SCIENCE.

<sup>5</sup> Including KU-HEALTH and KU-SCIENCE.

Table 7: NOVA Master's Students on Mobility

	03/04	04/05	05/06	06/07	07/08	08/09	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17
Number of Master's students on standard Nordplus mobility ( > 4 weeks)		68	37	52	53	23	32	39	47	35	20	22	18	8
Number of Master's students on express Nordplus mobility ( < 4 weeks)		17	35	50	73	69	110	66	45	42	60	23	27	58
<b>Total number of Master's students on Nordplus mobility</b>	<b>55</b>	<b>85</b>	<b>72</b>	<b>102</b>	<b>126</b>	<b>92</b>	<b>142</b>	<b>105</b>	<b>92</b>	<b>77</b>	<b>80</b>	<b>45</b>	<b>45</b>	<b>66</b>

Table 8: Erasmus+ mobility in the NOVA BOVA Nordplus Network 2016/2017

From university/To university	SLU	NMBU	HU-AF	HU-V	KU-HEALTH	KU-SCIENCE	AU-ST	UEF-F	LBHI	EMU	LSMU-VA	ASU	LUA	Total
SLU		2												2
NMBU	2		1				1							4
HU-AF	2	3					1							6
HU-V														0
AU-ST														0
UEF-F														0
LBHI		2												2
KU-HEALTH														0
KU-SCIENCE	3													3
EMU	4	1		4									6	15
LSMU-VA				2						3				5
ASU	4												4	8
LUA	6							3	1	12		1		23
<b>Total</b>														<b>68</b>
<b>Total NOVA</b>														<b>17</b>
<b>Total BOVA</b>														<b>51</b>

#### Evaluation

The number of NOVA students on Nordplus mobility rose by approximately 33% from 2015/2016 to 2016/2017. However, the total number lower than in the peak year 2009/2010. According to the Nordplus Secretariat, for the NOVA BOVA Nordplus Network as a whole, the Erasmus long-term student mobility slightly decreased from 2016, whereas the short-term mobility increased considerably. The use of Erasmus+ funding for long-term exchange is more profitable for the students since they can normally receive more funding in that programme than from Nordplus. As a result, Nordplus scholarships for express mobility can be increased. The main reasons for the increase in Nordplus express mobility was that many express courses were organised at the Network institutions and that only a few of these were granted funding from Nordplus. The reduction in Erasmus+ exchange is part of a trend of general reduction in the mobility in the Nordic countries. Detailed information on Nordplus mobility in the Network is available in tables seven and eight in the appendix to this report and in the Network's report to Nordplus.

#### 2.4. NOVA BOVA Nordplus Network activities

The NOVA BOVA Nordplus Network met regularly during 2017. Most meetings were video meetings. SLU, KU-SCIENCE and KU-HEALTH hosted a face-to-face meeting funded by NOVA and the host institutions. SLU took over as central coordinator of the Network from NMBU in 2017.

Nordplus granted the network funding to organise the courses below in 2017. NOVA supported the courses with the NOVA guarantee, i.e. mobility grants for NOVA students and teachers:

- Sustainable agriculture for rural development, Lithuania, 3-7 Apr. 2017
- Arctic Ecology – Live interactions in the midst of ice, Denmark/Greenland, 5-17 Jul. 2017
- Biological Consequences of Selection, Norway, 21-25 Aug. 2017

#### *Evaluation*

Historically, the NOVA BOVA Nordplus Network has had a good success rate in terms of receiving financing from Nordplus, and the number of courses offered has been satisfactory. Of the nine course applications for 2017/2018, Nordplus approved three. However, as these courses were less expensive, the maximum allocation from Nordplus was reduced compared to the previous year. Detailed information on the Network's activities is available in its report to Nordplus for 2016/2017.

### 3. NOVA Board and Strategy Seminar

There were three board meetings in 2017: one face-to-face meeting and two video meetings. The NOVA Strategy Seminar 2017 was organised at UEF-F. The theme for the Strategy Seminar was the development of the NOVA Strategy for 2018-2021. Bioeconomy was discussed in a workshop. Participants were members of the NOVA Board and the NOVA Student Board as well as local NOVA coordinators and the central Nordplus coordinator.

### 4. NOVA Student Board

The NOVA Student Board (NSB) had four meetings in 2017, one face-to-face meeting and three video meetings. The two NSB representatives on the NOVA Board have participated at NOVA board meetings.

### 5. Cooperation Partners

The current NOVA BOVA collaboration agreement is valid for the period 2015-2017 and should be renewed in 2018. The local coordinators took over the coordination tasks of NOVA KUF and BOVA CC from 2015 and have had annual meetings since. The actions taken in 2016 and continued in 2017 to try to increase the number and percentage of BOVA students on NOVA courses seem to have had some effect. The number of BOVA students on NOVA PhD courses has increased since then, from four (2%) in 2015, to 10 (4%) in 2016, and 18 (6%) in 2017. No NOVA PhD courses were organised in the Baltics in 2017. However, one NOVA PhD course was approved to be held there in 2018.

The Nordic Forest Research (SNS) continued providing part funding of forestry related NOVA PhD courses. The current agreement between SNS and NOVA is valid for the period 2016-2017 and should be renewed in 2018.

The North European Regional Office of the European Forest Institute (EFINORD), Centre for Environmental and Resource Economics (CERE) and NOVA teachers offered a forestry related NOVA PhD course in 2017.

In 2015, a task force on external funding was appointed. It has proved challenging to find new partners to finance NOVA activities. There were no new agreements on external funding in 2017.

## 6. Future Challenges

In 2017, the NOVA Board approved the Network's Strategy for 2018-2021 and new regulations, including a two-year pilot from 2018-2019 for a new and simplified funding model for NOVA courses.

Implementing the changes and continuing slimming and streamlining the work in the Network, in accordance with the new Strategy and regulations, will be important in 2018. Moreover, the Network should also assure that it has the financial conditions to meet the ambitions in its new Strategy.

### Challenges

- Implement the changes resulting from the Strategy for 2018-2021 and new regulations valid from 2018.
- Assure that NOVA's financial conditions are in line with the Network's ambitions.
- Implement new funding possibilities approved in the Strategy for 2018-2021: digital courses, interdisciplinary activities, as well as competence enhancer courses for PhD students and other scientists.
- Increase the number of PhD course applications and PhD courses compared to the previous strategic period.
- Increase the number of students on NOVA courses compared to the previous strategic period.
- Increase the student and teacher mobility between NOVA institutions.
- Increase external funding of NOVA courses.

### Actions to be taken

- Decide on thematic priorities in the NOVA Open Call to increase the strategic use of the resources in the NOVA Network and the benefit of the Network to the member institutions and their respective students.
- Improve the marketing of the NOVA Open Call and communicate changes in the funding model and simplification of the regulations.
- Improve the anchoring of NOVA courses at the different member institutions to secure that the courses receive enough NOVA students to be held, in particular courses where a few NOVA member institutions have participating teachers.
- Continue the awareness on keeping the number and share of NOVA students on NOVA master's courses at a high level, and increasing the number of NOVA students from other institutions than the home institution.
- Develop the NOVA website and Facebook page further.

## 7. Financial Accounts 2017

*Result and balance 2017 (numbers in 1000 EUR)*

	31.12.2016	31.12.2016
<b>BALANCE (equity)</b>	<b>277</b>	<b>277</b>
	Accounts 2017	Budget 2017
<u>INCOME</u>		
Total member fees	204	210
External funding SNS	0	10
External funding NKJ	0	
<b>INCOME total</b>	<b>204</b>	<b>220</b>
<u>COSTS</u>		
<i>Activities</i>		
PhD courses internal funding	192	238
PhD courses external funding	0	10
Other projects	0	60
NOVA-guarantee and N+ support	5	15
NSB	4	7
Strategy seminar	2	10
<i>Activities total</i>	<i>203</i>	<i>340</i>
<i>Secretariat</i>		
Salaries	31	36
Travels	1	5
Other	1	15
<i>Secretariat total</i>	<i>33</i>	<i>56</i>
<b>COSTS total</b>	<b>236</b>	<b>396</b>
<b>RESULT</b>	<b>-32</b>	<b>-176</b>
<b>BALANCE (equity)</b>	<b>245</b>	<b>101</b>

## Appendix

Table 1: Number of students in the NOVA PhD courses 2002-2017

Year	Total no. of students	Average number of students per course
2002	292	29
2003	402	24
2004	282	22
2005	366	23
2006	346	25
2007	355	25
2008	391	23
2009	382	20
2010	444	23
2011	398	19
2012	355	22
2013	236	21
2014	175	22
2015	198	17
2016	270	19
2017	279	20

Table 2: Number of NOVA students in NOVA PhD courses per member, in total, and average per course, 2008-2017

	AU-DJF	LIFE	KU-HEALTH	KU-SCIENCE	HU-AF	HU-V	LBHI	UMB	NVH	NMBU	SLU	UEF-F	NOVA total	NOVA PHD stud./course	NOVA PhD stud. %
2008	*	55			30	29	7	28	18		86	11	264	14	62
2009	18	47			27	19	3	52	27		91	17	301	16	74
2010	36	59			61	15	2	58	11		71	18	331	17	75
2011	40	52			52	3	4	43	4		83	19	300	14	75
2012	39	38			52	29	3	20	5		71	8	265	17	75
2013	22		8	14	34	24	1	29	5		56	11	204	19	86
2014	19		2	8	32	18	1			31	34	0	145	18	83
2015	28		0	23	21	0	0			21	48	9	150	13	76
2016	41		2	18	35	20	2			26	47	15	206	15	76
2017	25		-	17	28	21	2			44	48	17	202	16	72

\* AU-DJF became full member from January 2009

\* LIFE was split in 2013 to KU-HEALTH and KU-SCIENCE. KU-HEALTH withdrew from NOVA from 1 Jan. 2016. From, 2017, their students are not included in this table.

\* NVH and UMB merged to form NMBU in 2014.



Table 3: Non-NOVA participants on NOVA PhD courses 2002-2017

	BOVA	Other	Total non-NOVA	Percentage non-NOVA
2002	0	37	37	13 %
2003	60	32	92	23 %
2004	33	51	84	30 %
2005	48	132	180*	49 %
2006	57	67	124	36 %
2007	33	119	152	43 %
2008	46	81	127	32 %
2009	20	61	81	21 %
2010	30	83	113	25 %
2011	29	50	79	20 %
2012	10	80	90	25 %
2013	13	18	31	13 %
2014	12	18	30	17 %
2015	4	44	48	24 %
2016	10	54	64	24 %
2017	18	59	77	28 %

\*The large number of non-NOVA participants is partly explained by NOVA supporting two PhD courses with main funding from external donors (EU, NordForsk).

Table 4: Number of BOVA and other non-NOVA students 2002-2017

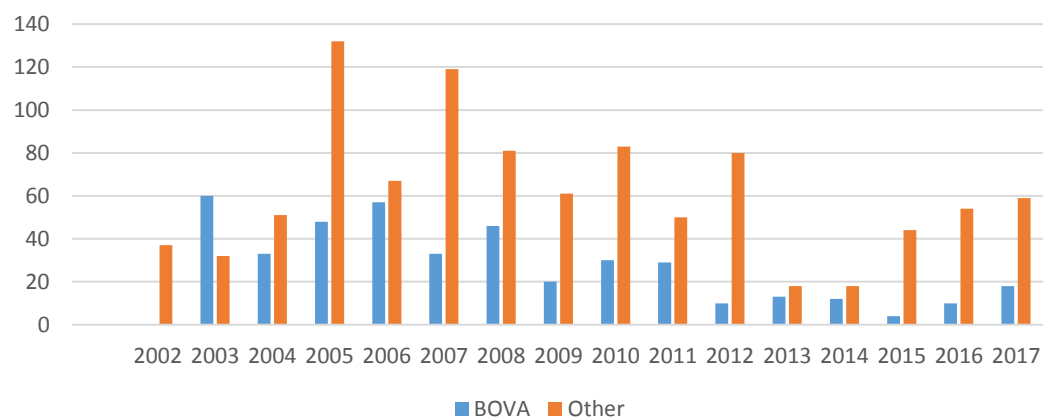


Table 5: Total number of ECTS (all courses) during 2004 to 2017

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
NOVA PhD	940	707	803	808	860	1 094	1647	1480	1003	902	597	622	713	681
NOVA Other	30	57	64	28	82	10	92	46	96	100	243	199,5	40	176
Baltic	158	187	205	147	194	118	121	122	58	47	83	16	30	74
Other non-NOVA	158	549	192	469	371	232	268	200	303	79	254	185,5	187,5	303,5
Total	1 286	1 500	1 264	1 451	1 507	1 454	2 128	1 838	1460	1128	1177	1023	970,5	1234,5
Average total ECTS / course	99	94	90	104	88	77	93	88	91	103	98	64	65	69

Table 6: NOVA project grant amounts\* by category 2003-2017, PhD courses not included (€)

Type of project	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Planning grants	21 673	38 921	36 493	31 432	20 250	18 000	23 210	33 227	22 395	19 999	4 000	9 900	0	0	0
Network projects	76 785	148 795	168 420	85 253	73 500	32 130	27 353	17 117	21 000	5 000	10 035	0	0	0	0
NIMCs (master's courses)		6 000	40 000	40 588	68 077	76 108	73 285	31 024	13 200	43 987	18 433	26 484	36 073	33 367	51 522
Other	26 490	37 312	15 100	3 927		29 515	14 000	0	1 749	0	0	0	0	0	0
NOVA prize	3 000	4 000	0	4 000	5 000	5 000	5 000	5 000	5 000	0	0	0	0	0	0
Total	122 386	265 063	229 741	160 766	165 214	160 753	142 848	86 368	63 344	68 986	32 468	36 384	36 073	33 367	51 522

\* Maximum grant amounts, not final amounts paid.

Table 7: Matrix on number of undergraduate students on Nordplus normal mobility 2016/2017

		HU-AF	HU-V	NMBU	SLU	LBHI	HEALTH	SCIENCE	UEF-F	AU-ST	LSMU-VA	LLU	EMU	ASU	Practice	
From	HU-AF														1	
	HU-V			1											1	
	NMBU					1									1	
	SLU		1												1	
	LBHI			1											1	
	SCIENCE				1	1									2	
	HEALTH				1										1	
	UEF-F														0	
	AU-ST														0	
	LSMU-VA														0	
	LLU				3									4	7	
	EMU		1			1					1				3	
	ASU														0	
		0	2	3	5	0	2	0	0	0	0	1	1	0	4	18

Table 8: Matrix on number of undergraduate students on Nordplus express mobility 2016/2017

		HU-AF	HU-V	NMBU	SLU	LBHI	HEALTH	SCIENCE	UEF-F	AU-ST	LSMU-VA	LLU	EMU	ASU	Practice	
From	HU-AF					1	1						21		3	26
	HU-V			4			1								2	7
	NMBU									1			3	1		5
	SLU			2						1			1			4
	LBHI															0
	SCIENCE									1						1
	HEALTH				5											5
	UEF-F												10			10
	AU-ST															0
	LSMU-VA															0
	LLU		1										5	8		14
	EMU			2			2					11		5		20
	ASU											20				20
		0	1	13	0	1	4	0	0	3	0	31	40	14	5	112