

NOVA University Network
Annual Report and Accounts 2016



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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	University of Copenhagen, Faculty of Science
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 30 March 2017.

Text where nothing else stated: Ingrid Aksnes Hjetland

Executive Summary

The NOVA Annual Report 2016 shows that even though NOVA is meeting its aim of facilitating PhD courses of high international standard and the activity on PhD level augmented in 2016, the activity level is still low compared to the ambition. NOVA facilitated 15 PhD courses, whereas the goal was 25 to 30. However, it is positive that the number of NOVA students and the total number of students on PhD courses increased in 2016. In addition, NOVA facilitated one Master's course.

From 2016, the number of member institutions in NOVA is decreasing. KU-HEALTH withdrew from 1 Jan. 2016, whereas KU-SCIENCE announced its withdrawal from 1 Jan. 2017. The reason for the withdrawals is financial issues at KU. The withdrawals will reduce the pool of teachers able to apply for NOVA funding and to participate on courses, as well as the NOVA student pool. During the last years, KU-SCIENCE submitted many applications, and is one of the institutions organising the most NOVA PhD courses.

In 2016, the network continued the focus on increasing the number of PhD courses, while continuing simplifying and streamlining the work. No major changes were made in the application in 2016. More effort was devoted to marketing of the courses and calls. The number of applications for PhD courses augmented in 2016. Applications for course series seem to becoming more popular. It seems that the actions taken during the last years to simplify and streamline the application process and other efforts to increase the flexibility for teachers have had an effect. However, as the number of applications is still rather low, active marketing of the benefits of NOVA, calls and funding schemes is called for.

For organisers, it is still challenging to attract enough NOVA students to courses. Both on PhD and on Master's level, there were three course cancellations. All but one was due to lack of students. It seems more difficult to meet the requirement concerning number of NOVA students on courses when there are just a few NOVA institutions with participating teachers on the courses. In Nov. 2016, the Board approved a new requirement to try to improve the predictability for organising NOVA courses for teachers and students. It is still important that all involved parties on all levels contribute to the anchoring of NOVA at the member institutions and to the course promotion to assure that approved courses are held.

Student mobility with funding from Nordplus has decreased during the recent years. This is part of a general Nordic trend. However, more mobility takes place in the network under the Erasmus+ programme and other cooperation agreements for mobility as well. Another reason for the mobility reduction is that KU has received less incoming exchange students.

The secretariat has continued developing the NOVA website. For instance, student evaluation results for each course are presented online and should be used in marketing. The network has started more systematic announcing of courses, also on Facebook.

The course announcements are also sent to BOVA institutions to try to increase the number of BOVA students on NOVA courses. The possibility of organising NOVA PhD courses at BOVA institutions is also promoted in the call text. There has been a slight increase in these activities in 2016.

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 2016.

1. Context

As 2015, 2016 was a year of transition for many NOVA member universities. In addition, the number of NOVA member institutions is reducing. KU-HEALTH withdrew from the network from 1 Jan. 2016, whereas KU-SCIENCE will cease to be a NOVA member from 1 January 2017. The reason for the withdrawals are financial issues.

2. Activities 2016

NOVA facilitated 15 PhD courses and 1 Master's course in 2016. 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 budget¹ on funding PhD courses. NOVA supports master's level courses in specific areas where Nordic cooperation can add particular value.²

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 2016 with three application rounds. The Board approved 15 of 17 PhD course applications, as well as 1 for a Master's course and 3 for course series on PhD level. The two rejected applications were from KU-SCIENCE. They were rejected as they were submitted after the institution had announced its withdrawal from NOVA. As of 23 Mar. 2017, the total amount reserved for the approved PhD courses to be held in 2017 is EUR approximately 290 000³.

There were no major changes in the requirements, application or application system in 2016.

Evaluation

There has been an increase in the number of applications for PhD courses since 2013. The number of applications for PhD course funding has augmented from 2013 to 2016, from 12 in 2013, 15 in 2015 to 20 in 2016. In 2016, four of the applications were for courses running in the same year, i.e. 2016. It seems that the actions taken in 2014 to increase the flexibility for teachers, and implemented in 2015, have had an effect on the number of applications. However, as KU-SCIENCE has submitted many

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

² NOVA Strategy 2014-2017

³ The number may increase after the Board's review of the applications in the first round of the open call 2017.

applications in this period, the remaining NOVA member institutions must increase their number of applications considerably to reach the same level of applications in future.

It seems that course series are becoming more popular with three applications for such series in 2016. This adds to the two other PhD course series and two Master's courses series approved prior to 2016. This is a positive trend since it gives students more predictability when planning their studies.

PhD courses 2016

In 2015, NOVA offered 15 PhD courses. However, by 23 March 2017, 14 of the courses were reported to NOVA. The statistics in this annual report only include the reported courses.⁴ KU-HEALTH withdrew from NOVA from 1 Jan. 2016. For already approved courses, flexibility concerning KU-HEALTH's students' status as NOVA students was applied. Therefore, there are some KU-HEALTH students registered as NOVA students in this annual report. Please see table 6 for detailed information on the courses offered in 2016. Of the 270 students attending the 14 reported courses, 206 (76%) were NOVA PhD or qualified Master's students, 10 (4%) were BOVA students and 54 (20%) other students. Three courses were cancelled due to lack of students (less than 12 participating NOVA students). In the course series "Biodiversity and Integrated Pest Management", the course scheduled for 2016 was replaced by a new course approved by the Board. The course that originally were to run in 2016 was rescheduled to 2018.

Evaluation

Despite the increase in the activity level for PhD courses, the activity level is still too low compared to the goal of 25-30 PhD courses per year. Since 2014, the number of courses has almost doubled. The number of NOVA students attending the courses increased by 37% from 2015 to 2016, which is very positive. It is still questionable if the goal of 25-30 PhD courses a year is a realistic goal, especially considering the withdrawals of KU-HEALTH and KU-SCIENCE.

NOVA used more than the goal of approximately 70% of the activity budget on PhD courses. For the courses reimbursed in 2016 (including some courses run in 2015 and some of the courses run in 2016), NOVA used 87% of the amount spent on activities, i.e. EUR 143 000 of EUR 165 000.

In 2015, the requirement of minimum 12 NOVA students on the courses was introduced. Many courses experienced difficulties meeting the requirement. It seems that one of the reasons for this challenge is that courses with teachers from few NOVA member institutions experience greater difficulties attracting enough NOVA students. In addition, the withdrawal from the network by the two member institutions from KU is also decreasing the available NOVA student pool. Thus, the Board gave the secretariat some flexibility regarding the number of NOVA students, before the Board in November 2016 approved a new requirement to try to improve the predictability for teachers and students. The new requirement is minimum 10 registered and qualified NOVA students for a course to be held. Anchoring of NOVA at the member institutions and active marketing of the courses by all involved parties is therefore still important to assure that approved courses are held.

The student evaluations on the courses show that in general students are very satisfied with NOVA courses. From 2016, the evaluations are available on the NOVA website. In future, the results of the

⁴ The reporting deadline for the PhD course "Novel Ingredients – Processed for Novel Nutrition" (NMBU), is after the finalisation of this report. The course will be included in the statistics for the Annual Report 2017.

evaluations should be used more actively in the marketing of NOVA to students and collaboration partners, and in course promotion.

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%, whereas the share of courses hosted by SLU plummeted from 50 to 7% (i.e. from 6 to 1 course). However, the actual number of SLU students on PhD courses was stable from 2015 to 2016. KU-SCIENCE organised four PhD courses in 2016. However, their share of students attending NOVA courses decreased from 15 to 9%, even though there was an actual increase in the number of students attending the courses. On the other side, the part of HU-V students raised from zero to 10%. This was probably due to the fact that there were organised some NOVA PhD courses in the veterinary field in 2016, as opposed to none in 2015. Another likely reason is that the institution organised two courses that year, whereas it organised none in 2015. Thus, the figures show that awareness of NOVA at the member institutions among students and supervisors, as well as active marketing of the courses is very important.

Table 1: Number of PhD Courses and PhD Students 2003-2016

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

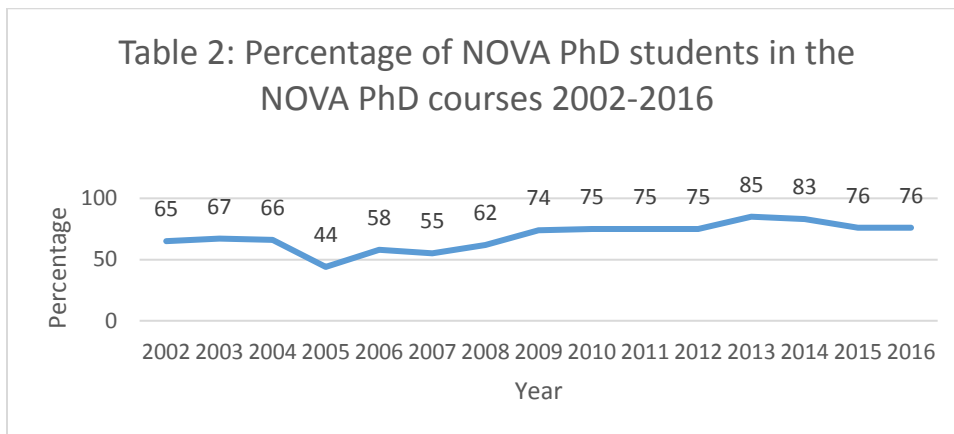


Table 3: Student attendance by member institution for all NOVA PhD courses 2016

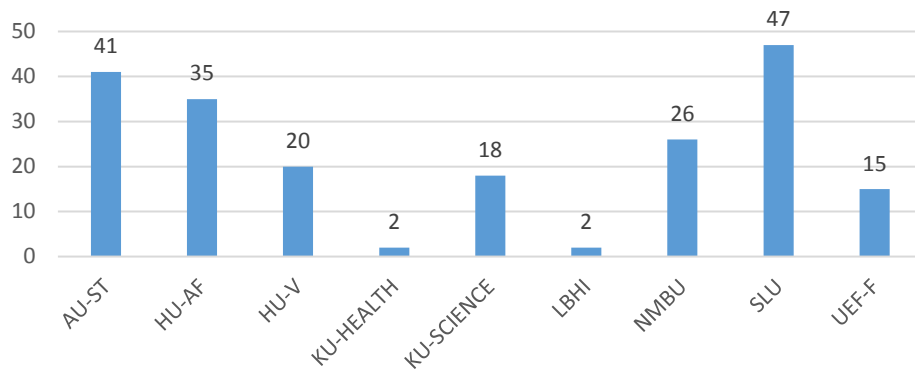


Table 4: Percentage of students by member institution, all NOVA PhD courses 2016

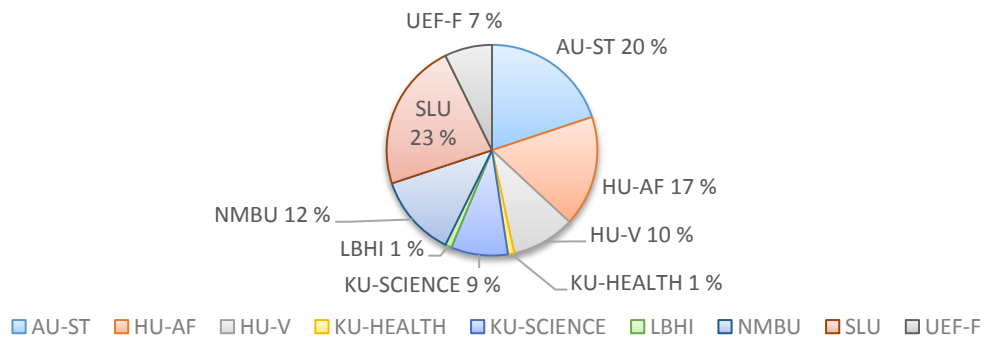
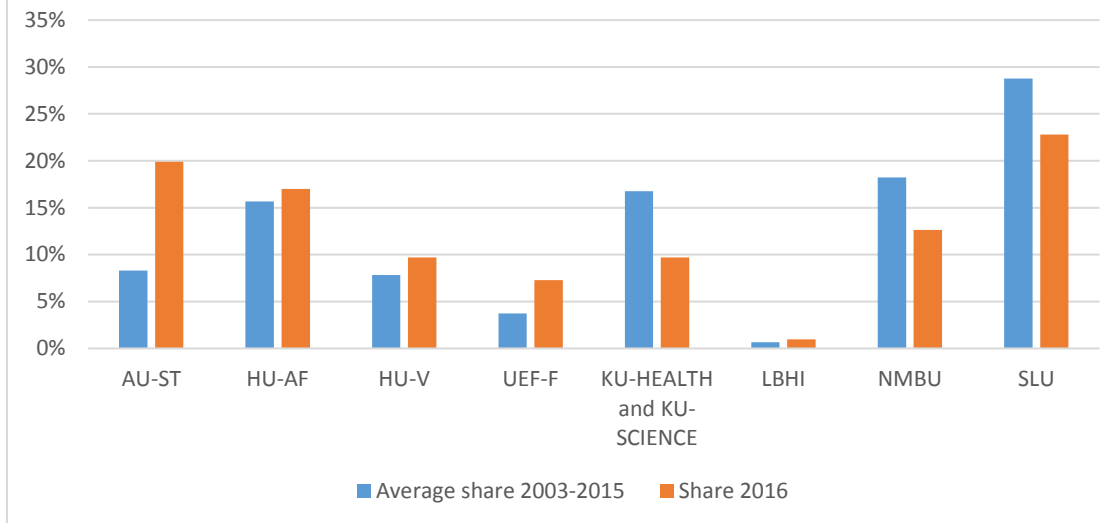


Table 5: Share of students (PhD) by member, years 2003-2015 and 2016



*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 from 2013 are for KU-HEALTH and 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 2016

Course title	University/Faculty	Maximum grant	Incentive grant	Grant paid (incl. incentive grant if appl.)	ECTS	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	Price per 1 ECTS (all students)	NOVA student ECTS price	Percentage of maximum grant used (not incl. Incentive grant if appl.)
NOVA PhD courses													
Genomic Selection in Plant Breeding	KU-SCIENCE	15239	2500	17739	4	64	64	16	16	1109	277	277	100 %
Applied statistical modelling in forest and natural resource assessment and planning	KU-SCIENCE	4862	2500	5347	4	32	36	9	10	594	149	167	59 %
Modern IPM in greenhouses, part of course series Biodiversity and integrated pest management	LBHI	14967	2500	11245,8	3	30	36	10	12	1125	312	375	58 %
Sustainable intensification of the agricultural production – the potential role of legumes in the Nordic countries	AU-ST	10583	2500	6693	5	70	75	14	15	478	89	96	40 %
Quantitative genetics in animal breeding	HU-AF	12083	2500	11984	3	60	87	20	29	599	138	200	78 %
Genetic Epidemiology of infectious diseases in livestock (CANCELLED)	SLU	17556	2500	0	3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0 %
Decision oriented data acquisition strategies for analysis of sustainable forestry	NMBU	5383	2500	5787	3	30	42	11	15	526	138	193	61 %
Pathology of large animal disease models (CANCELLED)	KU-HEALTH	9733	2500	0	2	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0 %
Chemical and genomic insight to host-microbe symbiotic interactions	KU-SCIENCE	14289	2500	7465	2,5	25	52,5	10	21	747	142	299	35 %
Molecular methods for detection of food- and waterborne pathogens	HU-V	14922	2500	14525	3	60	69	20	23	726	211	242	81 %
Plant-associated bacteria: pathogens and mutualists	HU-AF	13386	2500	15886	4	56	56	14	14	1135	284	284	100 %
Feed Efficiency in Dairy Cattle	AU-ST	15222	2500	13148	4	68	76	17	19	773	173	193	70 %
Veterinary Epidemiology: Diagnostic test evaluation (CANCELLED)	NMBU	11967	2500	0	3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0 %
Introduction to Scientific Programming & Simulation	SLU	6722	2500	9122	3	60	63	20	21	456	145	152	99 %
An Introduction to Ecosystem Service Theory and Practices	KU-SCIENCE	3222	2500	5422	5	50	70	10	14	542	77	108	91 %
Animal welfare - from fork to farm	HU-V	11678	2500	13178	3 or 2	58	84	25	37	527	157	227	91 %
Environmental collaboration and conflict resolution: Tools for analysis and intervention: case Mexico	UEF-F	18944	2500	16964	5	50	120	10	24	1696	141	339	76 %
Total NOVA PhD courses		200758	42500	154506		713	930,5	206	270	750	166	217	60 %
NOVA Master's courses													
Sustainable Pig Production (CANCELLED)	SLU	12311	N.A.	0	5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0 %
Nordic Wildlife and Conservation Medicine (CANCELLED)	HU-V	15000	N.A.	0	6	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0 %
Future Trends in Sustainable Plant Protection in Nordic Agriculture: RNAi Technology for Insects (MIGHT BE CANCELLED)	AU-ST	6 056	N.A.	0	5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0 %
Introduction to economic modelling with computational intelligence	HU-AF	4 996	N.A.	3470	5	40	40	12	12	289	87	87	69 %
Total NOVA Master's courses		38363	N.A.	3470		40	40	12	12	289	87	87	9 %
NOVA Other projects													
Total NOVA Other projects		0	N.A.	0									N.A.
Total all NOVA courses and projects 2016		239121	42500	157976		753	970,5	218	282				51 %
Total NVOA PhD courses run and paid in 2016		105969	22500	98574		465	557,5	131	162	752	177	212	72 %
Total NOVA Master's courses run and paid in 2016		4 996	N.A.	3470		40	40	12	12	289	87	87	69 %

Master's Courses 2016

NOVA facilitated one Master's course in 2016. Twelve NOVA Master's students attended the course. Three other courses were cancelled. Two of them were cancelled due to lack of students, whereas the third was cancelled due to animal disease in the host country, Estonia.

Evaluation

According to the strategy, NOVA supports Master's level courses in specific areas where Nordic cooperation can add particular value. All students attending the only organised NOVA Master's course were NOVA students. However, in the recent years, some of the Master's courses have experienced difficulties attracting NOVA Master's students from other institutions. Promotion of the courses on the NOVA website and at NOVA member institutions is still important to try to increase the number of NOVA students from other institutions than the home institution. It is probably more demanding for a Master's student to fit an intensive course into the schedule than for a PhD student. It is therefore especially important to promote the Master's 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 2016. 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, only one application was submitted in 2016. The application was for networking, which NOVA no longer supports. 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 network 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 2015/2016, 45 NOVA Master's students and five NOVA teachers received Nordplus mobility funding, see table 7. Most of the funding for this comes from Nordplus centrally. However, NOVA covers some of the mobility with the NOVA guarantee.

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
Number of Master's students on standard Nordplus mobility (> 4 weeks)		68	37	52	53	23	32	39	47	35	20	22	18
Number of Master's students on express Nordplus mobility (< 4 weeks)		17	35	50	73	69	110	66	45	42	60	23	27
Total number of Master's students on Nordplus mobility	55	85	72	102	126	92	142	105	92	77	80	45	45

Evaluation

The total number of students on mobility is reduced from the peak in 2009/2010. However, the actual mobility figures between the members of the NOVA BOVA Nordplus Network are higher than the figures presented above as much of the exchange is facilitated through the Erasmus + programme and other cooperation agreements. 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. Another reason for the reduction in the number of students on Nordplus mobility (and Erasmus+ mobility within the network) is that the University of Copenhagen has received less incoming exchange students. Another likely reason is the reduction in the number of intensive courses receiving funding from Nordplus. However, in recent years, there has been a general reduction in the mobility in the Nordic countries, also prevalent in the numbers for Erasmus + mobility. Detailed information on 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 2016. Most meetings were video meetings. LSMU-VA hosted a face-to-face meeting funded by BOVA and NOVA. NMBU continued as central coordinator of the network in 2016.

Nordplus granted the network funding to hold the courses below in 2016. NOVA supported the courses with the NOVA guarantee, i.e. mobility grants for NOVA students and teachers:

- Forest disturbances and ecosystem services: data and modeling, Oct.-Nov. 2016, Estonia, EMU
- Trees and shrubs under short rotation management: ecological and financial benefits and constraints, Mar. 2016, Latvia, LLU

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. For the academic year 2016/2017, the network received as much funding from Nordplus as in recent years. However, less courses are receiving funding due to one expensive course. Detailed information on the network's activities is available in its report to Nordplus for 2015/2016.

3. NOVA Board and Strategy Seminar

There were three board meetings in 2016: one face-to-face meeting, one video meeting and one *per capsulam* meeting. The NOVA Strategy Seminar 2016 was organised at NMBU. The theme for the seminar was digitalisation of teaching in higher education – possibilities for NOVA. Participants at the seminar 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 three meetings in 2016, one face-to-face meeting and two 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. The local coordinators took over the coordination tasks of NOVA KUF and BOVA CC from 2015 and have had annual meetings since 2015. To try to increase the number and percentage of BOVA students on NOVA courses, several actions were taken in 2016. The marketing of NOVA courses has been more systematic and information sent to the NOVA coordinators was also sent to the BOVA institutions. An encouragement to organise NOVA PhD courses at BOVA institutions was published in the call text. The number of BOVA students on NOVA PhD courses increased slightly in 2016. In addition, one NOVA PhD course was organised at a BOVA member institution with several BOVA course participants.

The Nordic Association of Agricultural Scientists (NJF) and NOVA cooperated on a joint NOVA PhD course and a NJF seminar in 2016.

In 2016, the Nordic Forest Research (SNS) and NOVA renewed their agreement concerning SNS funding of forestry related NOVA PhD courses for the period 2016-2017.

The North European Regional Office of the European Forest Institute (EFINORD), Centre for Environmental and Resource Economics (CERE) and NOVA teachers plan to offer 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 2016.

6. Future Challenges

NOVA's strategy expires in 2017. Thus, in 2017, in addition to increasing the number of PhD course applications and PhD courses, the main task for the network will be to develop a new strategy for 2018-2021. NOVA has been in a transition period where the organisation has been slimmed and streamlined in line with the current strategy. However, it is still necessary to continue this work. The network should therefore continue working for a more efficient organisation. The main challenges and actions to be taken to achieve this are presented below.

Challenges

- Develop and approve a new strategy for 2018-2021.
- Increase the number of PhD course applications and PhD courses.
- Increase the number of students on NOVA courses.
- Increase the student and teacher mobility between NOVA institutions.
- Increase external funding of NOVA courses.

- Consider including digital courses and MOOC's as a separate funding category.

Actions to be taken

- Develop the NOVA website further.
- Improve the marketing of the open call and simplify the rules and the application.
- 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 on 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.

7. Financial Accounts 2016

Result and balance 2016 (numbers in 1000 EUR)

	31.12.2015	31.12.2015
BALANCE (equity)	330	330
	Accounts 2016	Budget 2016
<u>INCOME</u>		
Total member fees	170	166
External funding SNS	19	10
External funding NKJ	0	
INCOME total	190	176
<u>COSTS</u>		
<i>Activities</i>		
PhD courses internal funding	122	233
PhD courses external funding	21	27
Other projects	15	50
NOVA-guarantee and N+ support	4	25
NSB	2	7
Strategy seminar	1	10
<i>Activities total</i>	<i>165</i>	<i>352</i>
<i>Secretariat</i>		
Salaries*	33	35,5
Travels	0	5
Other	2	15
Project: application platform and website (incl. salaries)	15	15
<i>Secretariat total</i>	<i>50</i>	<i>71</i>
COSTS total	215	423
RESULT	-26	-247
BALANCE (equity)	305	84

*Some of the salary for 2016 was financed by NKJ as administration costs for the PhD course in the reindeer industry.

Appendix

Table 1: Number of students in the NOVA PhD courses 2002-2016

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

Table 2: Number of NOVA students in NOVA PhD courses per member, in total, and average per course, 2008-2016

	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 Ph.D. 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

* AU-DJF became full member from January 2009

* LIFE was split in 2013 to KU-HEALTH and KU-SCIENCE

* NVH and UMB merged to form NMBU in 2014.

Table 3: Non-NOVA participants on NOVA PhD courses 2002-2016

	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 %

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

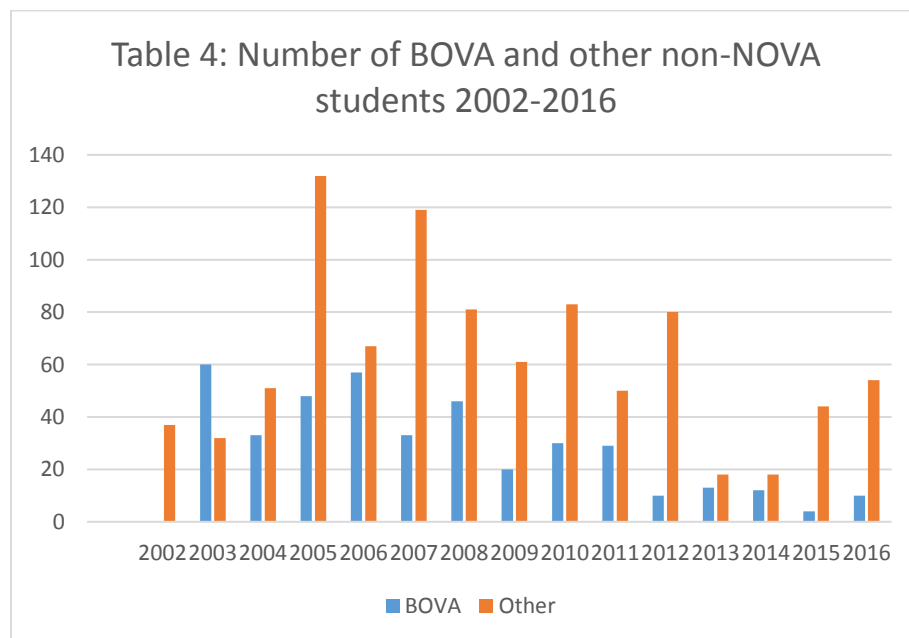


Table 5: Total number of ECTS (all courses) during 2004 to 2016

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

Table 6: NOVA project grant amounts* by category 2003-2016, PhD courses not included (€)

Type of project	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
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
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
NIMCs		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
Other	26 490	37 312	15 100	3 927		29 515	14 000	0	1 749	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
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

* Maximum grant amounts, not final amounts paid.

Table 7: Matrix on number of undergraduate students on Nordplus normal mobility 2015/2016

	HU-AF	HU-V	NMBU	SLU	LBHI	HEALTH	SCIENCE	UEF-F	AU-ST	LSMU-VA	LLU	EMU	ASU	Practice	
From HU-AF							3								3
HU-V				4		2									6
NMBU									3						3
SLU															0
LBHI							1								1
SCIENCE															0
HEALTH				2		2									4
UEF-F															0
AU-ST				1											1
LSMU-VA															0
LLU				1											1
EMU															0
ASU															0
	0	0	3	5	0	4	4	0	3	0	0	0	0	0	19

Table 8: Matrix on number of undergraduate students on Nordplus express mobility 2015/2016

	HU-AF	HU-V	NMBU	SLU	LBHI	HEALTH	SCIENCE	UEF-F	AU-ST	LSMU-VA	LLU	EMU	ASU	Practice	
From HU-AF				1						2	3	6	4		16
HU-V														4	4
NMBU											4	1			5
SLU															0
LBHI															0
SCIENCE															0
HEALTH															0
UEF-F												1			1
AU-ST										1					1
LSMU-VA											6	7			13
LLU				2						3		5			10
EMU				3						1	6		4		14
ASU												2			2
	0	5	0	1	0	0	0	0	0	6	16	25	9	4	66