

Peder Sather Center for Advanced Study
**Annual Report Update for 2019-2020 from Meeting of the Executive
Committee and the Advisory Board on June 25, 2020**

Prepared by Trond Petersen, Academic Director, June 25, 2020

Participants at The Annual Meeting 2020

Norway representatives: Per Bakke (UiB), Hilde C. Bjørnland (BI), Olav Bolland (NTNU), Anne Halvorsen (UiA), Sten Runar Ludvigsen (UiO), Sonni Olsen (UiT), Ragnhild Solheim (NMBU), Gøril Mellem (UiO).

UC Berkeley representatives: Karl van Bibber, Michael Botchan, Raka Ray, Philip Stark, Elliot Turiel, Trond Petersen, Liv Duesund, Akasemi Newsome, Eva Seto

Overview

The Executive Committee and members of the Advisory Board of the Peder Sather Center (PSC) for Advanced Study met on June 25, 2020 by Zoom conference.

Sten Runar Ludvigsen (UiO, Co-Chair of the Executive Committee) chaired the meeting.

The Annual Report was approved, as was the Income and Expense Accounting for 2019-2020 and the Proposed Budget for 2020-2021.

The meeting continued with awarding grants and closed with discussing future plans and the schedule for preparing the grant cycle for 2021-2022.

Awards and Funding in 2020-2021

The Executive Committee reviewed 50 grant proposals and awarded 34 grants totaling \$692K. We received proposals from each of the eight Norwegian consortium universities, plus from UiS (which no longer is a member of the Consortium), and these were represented in the 34 grants funded.

Sten Runar Ludvigsen (UiO) underlined that we this year tried to fund as many proposals as possible so as to keep activity up during the COVID-19 crisis. Many proposals were funded at slightly reduced levels since there likely will be less travel in the next twelve months than in the past.

With the 2020 grant process completed, the Center has funded 222 grants supporting research in a broad range of fields and disciplines and representing just over \$4.5M. This was the first year in the second seven-year period for the Center (2020-2026).

Planning forward

Hilde C. Bjørnland (BI) recommended that the Center figure out a process whereby the institutions know better in advance which faculty are applying. Anne Halvorsen (UiA), Per Bakke (UiB), and Sten Runar Ludvigsen (UiO) added that this would be useful for their institutions as well. In 2021, the Center will give earlier access to applications and information about them to the Norwegian institutions.

Sten Runar Ludvigsen (UiO) discussed the upcoming tenth anniversary for the Center and that we early in Fall 2020 should appoint a committee for planning this.

Liv Duesund (UCB and UiO) reminded us that one of the missions of the center is to share the knowledge from the funded research. Every three years we should therefore have a conference showcasing the research, as was discussed at the meeting of the Advisory Board in May 2019. In 2022 we will have the first such conference, to mark the tenth anniversary for the Center. Such conferences will also raise awareness and increase knowledge of the Peder Sather Center among faculty at the participating institutions.

Michael Botchan (UCB, Co-Chair of the Executive Committee) underlined the importance of what Duesund brought up. The planning committee for the upcoming anniversary should think about projects to highlight for the conference.

Sten Runar Ludvigsen (UiO) informed that the new agreement has not been signed yet due to ongoing legal approval from the Norwegian side. The old agreement will be extended until the new agreement is signed.

Short Description of the Tables Included in Update to Annual Report

Table 1.1 (p. 4) covers the contributions of the Norwegian Consortium institutions, for the full pledged contributions in NOK and the respective percentages of the total. Panel A, Columns 1-2 pertains to the first seven-year period (2013-2019), Columns 3-4 to the commitments for the second seven-year period (2020-2026), Columns 5-6 for the 2020 year contributions, and Columns 7-8 cumulatively for 2013-2020 (Column 7 equals Columns 1 plus 5). Note that the Norwegian University of Life Sciences (NMBU) joined the consortium in 2016. The contribution of the Research Council of Norway, which was received in the early years of the Center, is not represented. University of Stavanger (UiS) is not a member of the Consortium for the second seven-year period.

Table 1.1 (p. 5) Panel B pertains to the second seven-year agreement period (2020-2026). It gives the contributions for every year over the period and in total.

Tables 1.2-1.5 (pp. 6-9) summarize the funding decisions made by the Executive Committee at its June 2020 meeting for the 2020-2021 academic year. The funds reflect what was available for grants, after deduction of a 10 percent UC Berkeley overhead and administrative costs of about another 10 percent.

Table 1.2 (p. 6) lists by institution the number of proposals submitted and the number of proposals granted along with the amounts requested and the amounts funded in 2020.

Table 1.3 (p. 8) lists by institution the key numbers for amounts contributed and funded (in dollars). Column 1 gives the amounts funded in 2020. Column 2 gives contribution in 2020 after having deducted

overhead fees and administrative costs. Column 3 lists the funds distributed back from closed projects, where funds are reallocated to the institutions for which the projects were closed. Column 4 lists return from savings on administrative costs, where funds are reallocated to each institution according to the percentage the institution has contributed to the Center. Columns 5 and 6 list the cumulative 2013-2020 amount funded in dollars and as percentage of total funding, after for each institution having deducted funds pulled back from closed projects. Columns 7 and 8 give cumulative 2013-2020 contribution in dollars and as a percentage of cumulative funding. Column 9 gives the difference between cumulative contribution and cumulative funding (Column 7 minus Column 5), where positive numbers mean that the institution has received less than it contributed and negative numbers mean the opposite. These are the amounts needed to be distributed to each institution in order to reach parity between contributed funds and received funds.

Table 1.4 (p. 8) gives the number of grants submitted and awarded across each of the seven academic fields in 2020. It also lists the dollars requested and awarded, and the percentages of the total dollars requested and awarded by academic field.

Table 1.5 (p. 9) gives the number of funded projects by institution and field cumulatively for 2013-2020.

Table 1.6 (pp. 10-14) lists the 2020 funded projects by institution: The project title, the academic field and amount funded, Norwegian institution, and the Principal Investigators in Norway and at UC Berkeley.

Finally, the members of the Advisory Board for 2019-2020 are listed on page 15.

Planning Forward for the 2021-2022 Funding Cycle

We agreed on the following schedule for the 2021-2022 funding cycle:

- 07/2020: Post the Request for Proposals
- 07/2020: Make Online Application Available
- 09/2020: Make the Request for Proposals Known, First Announcement
- 11/2020: Make the Request for Proposals Known, Second Announcement
- 01/2021: Make the Request for Proposals Known, Third Announcement
- 04/2021: Deadline for Applying, Thursday April 1, 2021
- 04/2021: Deadline for Review of Proposals, Monday May 3, 2021 (five weeks after deadline for applying)
- 05/2021: Executive Committee Makes Funding Decisions, Late May or Early June (May 24-28 or June 1-4)
- 07/2021: Funds are Made Available to Funded Projects

The next meeting of Executive Committee and Advisory Board could be scheduled in May or June, for example, late May or early June 2021, tentatively week of Monday May 24 to Friday May 28 or week of Tuesday June 1 to Friday June 4 (Monday May 31 is a Holiday in the U.S).

Table 1.1: Norwegian Peder Sather Consortium Commitments in NorwegianCrowns (NOK)

Panel A: Contributions and Commitments from the Norwegian Consortium (2013-2026)

Institution	Consortium (2013-2019)		2020-2026 Commitment		2020 Contribution		Cumulative Contribution (2013-2020)	
	NOK 1	Percent 2	NOK 3	Percent 4	NOK 5	Percent 6	NOK 7	Percent Contribution 8
BI Norwegian Business School	2,500,000	7.36%	1,910,797	4.39%	272,971	4.68%	2,772,971	7.34%
Norwegian School of Economics (NHH)	1,700,000	5.01%	1,910,797	4.39%	272,971	4.68%	1,972,971	5.22%
Norwegian University of Life Sciences (NMBU)	1,000,000	2.95%	2,490,300	5.72%	325,000	5.57%	1,325,000	3.51%
Norwegian University of Science and Technology (NTNU)	7,500,000	22.09%	8,430,002	19.36%	1,204,286	20.64%	8,704,286	23.04%
University of Agder	2,000,000	5.89%	2,846,057	6.53%	371,429	6.37%	2,371,429	6.28%
University of Bergen	6,250,000	18.41%	8,893,929	20.42%	1,160,714	19.89%	7,410,714	19.61%
University of Oslo	10,000,000	29.46%	14,230,287	32.67%	1,857,143	31.83%	11,857,143	31.38%
University of Stavanger	2,000,000	5.89%						
UiT The Arctic University of Norway (UiT)	1,000,000	2.95%	2,838,942	6.52%	370,500	6.35%	1,370,500	3.63%
Total:	33,950,000	100.00%	43,551,111	100.00%	5,835,014	100.00%	37,785,014	100.00%

Note 1: NMBU joined the consortium in 2016.

Note 2: The contribution from the Research Council of Norway (NOK 2,500,000) is not included in the computation above.

Note 3: New agreement runs 2020-2026 with differing contribution amounts across years.

Note 4: University of Stavanger was only a member of the consortium from 2013-2019.

Table 1.2: 2020 Number of Proposals Submitted and Funded by Institution

Institution	Proposals Submitted	Proposals Funded	2020 Dollars Requested	2020 Dollars Funded
	1	2	3	4
BI Norwegian Business School (BI)	2	2	\$50,000	\$50,000
Norwegian School of Economics (NHH)	1	1	\$20,000	\$20,000
Norwegian University of Life Sciences (NMBU)	3	1	\$66,000	\$25,000
Norwegian University of Science and Technology (NTNU)	12	9	\$290,793	\$165,000
University of Agder (UiA)	4	4	\$96,000	\$82,000
University of Bergen (UiB)	8	7	\$197,850	\$140,000
University of Oslo (UiO)	18	8	\$440,893	\$160,000
University of Stavanger (UIS)	1	1	\$25,000	\$25,000
UiT The Arctic University of Norway (UiT)	1	1	\$25,000	\$25,000
TOTAL	50	34	\$1,211,536	\$692,000

Table 1.3: 2020 Funds Distribution, Cumulative Distribution, and Cumulative Contribution by Institution

Institution	2020 Dollars Funded	2020 Contribution (Estimated)	Project Closed -		Administrative Funds Pushed Back	Cumulative Funding (2013-2020)	Cumulative Contribution 2013-2020 (2020 estimated)	Difference Between Funding and Contribution (Equity Allocation)	
			Funds Pulled Back	Funds Back					
	1	2	3	4	5	6	7	8	9
BI Norwegian Business School (BI)	\$50,000	\$32,538	\$9,196		\$228,158	5.46%	\$302,067	7.02%	\$73,908
Norwegian School of Economics (NHH)	\$20,000	\$22,117	\$4,531		\$205,116	4.91%	\$212,207	4.93%	\$7,091
Norwegian University of Life Sciences (NMBU)	\$25,000	\$22,768	\$0		\$119,080	2.85%	\$122,566	2.85%	\$3,486
Norwegian University of Science and Technology (NTNU)	\$165,000	\$97,669	\$50,578		\$972,940	23.30%	\$940,567	21.87%	-\$32,373
University of Agder (UJA)	\$82,000	\$26,025	\$154		\$254,326	6.09%	\$254,145	5.91%	-\$181
University of Bergen (UJB)	\$140,000	\$81,386	\$41,961		\$796,733	19.08%	\$794,278	18.47%	-\$2,455
University of Oslo (UIO)	\$160,000	\$130,235	\$18,321		\$1,260,709	30.19%	\$1,269,323	29.51%	\$8,614
University of Stavanger (UIS)	\$25,000	\$26,025	\$1,194		\$161,143	3.86%	\$222,910	5.18%	\$61,767
UiT The Arctic University of Norway (UiT)	\$25,000	\$25,931	\$0		\$177,705	4.26%	\$182,641	4.25%	\$4,936
Total	\$692,000	\$464,693	\$125,936	\$0	\$4,175,909	100%	\$4,300,703	100%	\$124,794

Note: Column 9 gives the difference between cumulative contribution and cumulative funding (Column 7 minus Column 5), where positive numbers mean that the institution has received less than it contributed and negative numbers mean the opposite

Table 1.4: 2020 Distribution of Grants by Academic Field

Primary Research Field	Proposals Submitted		Proposals Funded		Total Dollars Requested		Total Dollars Funded		Percent of Proposals Submitted		Percent of Dollars Funded	
	1	2	3	4	5	6	7	8	9	10	11	12
Arts & Humanities	2	0	\$49,767	\$0	4%	0%						
Business and Economics	2	2	\$45,000	\$45,000	4%	7%						
Education	1	1	\$25,000	\$20,000	2%	3%						
Engineering and Design	7	7	\$169,000	\$140,000	14%	20%						
Life and Medical Sciences	14	6	\$333,293	\$115,000	28%	17%						
Mathematical and Physical Sciences	4	2	\$98,800	\$40,000	8%	6%						
Social Sciences	20	16	\$490,676	\$332,000	40%	48%						
Total	50	34	\$1,211,536	\$692,000	100%	100%						

Table 1.5: 2013-2020 Grants Awarded by Institution and Field

Institution	Arts & Humanities		Business and Economics		Engineering and Design Sciences		Life and Medical Sciences		Mathematical and Physical Sciences		Social Sciences	Total
	Humanities	Economics	Education	Engineering and Design Sciences	Life and Medical Sciences	Mathematical and Physical Sciences	Social Sciences	Total				
BI Norwegian Business School (BI)	0	9	0	0	0	0	0	0	0	0	3	12
Norwegian School of Economics (NHH)	0	9	0	0	0	0	0	0	0	0	1	10
Norwegian University of Life Sciences (NMBU)	0	0	0	0	2	3	1	0	1	0	0	6
Norwegian University of Science and Technology (NTNU)	2	1	0	0	24	12	3	8	3	8	50	
University of Agder (UiA)	1	0	1	1	1	2	0	9	0	9	14	
University of Bergen (UiB)	6	1	3	5	1	7	21	44	7	21	44	
University of Oslo (UiO)	11	1	7	15	3	19	11	67	11	19	67	
University of Stavanger (UIS)	0	1	2	0	0	0	0	4	0	4	7	
UiT The Arctic University of Norway (UiT)	1	0	3	2	1	2	0	5	0	5	12	
Total	21	22	16	39	32	70	22	222	22	70	222	

Table 1.6: List of Projects Funded in 2020 by Institution (Page 1 of 5)

BI Norwegian Business School (BI)

Models of sustainable farming and adaptive responses to a global pandemic in different geographical contexts

Social Sciences - \$25,000

Norway: Heidi Wiig

Berkeley: Alastair Iles

The distributive impact of the global economy on workers and firms

Business and Economics - \$25,000

Norway: Simon Galle

Berkeley Andres Rodriguez-Clare

Norwegian School of Economics (NHH)

Berkeley-NHH Conference on Applied Microeconomics

Business and Economics - \$20,000

Norway: Eirik Kristiansen

Berkeley: Jonathan Kolstad

Norwegian University of Life Sciences (NMBU)

UX Wilderness: rethinking user experience, holding capacity, and public/private relationships along scenic roadways in California and Norway

Life and Medical Sciences - \$25,000

Norway: Jorg Sieweke

Berkeley: Richard Hindle

Norwegian University of Science and Technology (NTNU)

Unequal Childhoods: Interrogating Durable Inequalities in Schools and associated Welfare Systems

Social Sciences - \$20,000

Norway: Håkon Leiulfstrud

Berkeley: David Harding

Ferroic domain walls for multi-level data storage and reservoir computing

Engineering and Design - \$15,000

Norway: Dennis Meier

Berkeley: Lane Martin

Table 1.6 (Continued): List of Projects Funded in 2020 by Institution (Page 2 of 5)

Performance-Based Modeling and Monitoring of Excavation Effects on Structures Engineering and Design - \$20,000

Norway: Max Hendriks

Berkeley: Matthew DeJong

Comparative Multi-Modal Neurocognition Experiments for Enhanced Engineering Design Research

Engineering and Design - \$20,000

Norway: Martin Steinert

Berkeley: Kosa Goucher-Lambert

Deep Learning-based Embedded Control Systems for Biomedical Applications of Atmospheric Pressure Plasma Jets

Engineering and Design - \$20,000

Norway: Sigurd Skogestad

Berkeley: Ali Mesbah

Microenvironmental drivers of plant community dynamics

Life and Medical Sciences - \$20,000

Norway: Bente Graae

Berkeley: Benjamin Blonder

Berkeley/NTNU A Large-Scale Subjective Dataset for Images and Videos Quality Assessment

Social Sciences - \$20,000

Norway: Seyed Ali Amirshahi

Berkeley: Bruno Olshausen

Teaching Social Theory

Social Sciences - \$15,000

Norway: Johan Fredrik Rye

Berkeley: Michael Burawoy

Adaptations to variable seasons

Life and Medical Sciences - \$15,000

Norway: Irja Ida Ratikainen

Berkeley: Caroline Williams

University of Agder (UiA)

Governing Crisis in the European Union (GovernCrisis)

Social Sciences - \$20,000

Norway: Jarle Trondal

Berkeley: Chris Ansell

Table 1.6 (Continued): List of Projects Funded in 2020 by Institution (Page 3 of 5)

Urban planning for Democracy & Citizen Participation -part 2

Social Sciences - \$20,000

Norway: Kjell Overvåg

Berkeley: Jason Coburn

Understanding gendered faculty careers across academic contexts

Social Sciences - \$22,000

Norway: Gro-Renée Rambø

Berkeley: Jennifer Johnson-Hanks

Feasibility study of a very large floating dock for installation of floating wind turbines

Engineering and Design - \$20,000

Norway: Zhiyu Jiang

Berkeley: Reza Alam

University of Bergen (UiB)

Course Recommendation & Learning Analytics for Exchange Students (CERES)

Education - \$20,000

Norway: Mohammad Khalil

Berkeley: Zachary Pardos

A Water-Systems Approach to Understanding Rivers and Urban Form

Social Sciences - \$20,000

Norway: Terje Tvedt

Berkeley: G. Mathias Kondolf

ADHD and the high risk of self-injurious thoughts and behavior: A public health challenge calling for immediate action and international collaboration

Life and Medical Sciences - \$20,000

Norway: Astri J. Lundervold

Berkeley: Stephen Hinshaw

Cross-national experiences of foster care: Does the welfare state matter?

Social Sciences - \$20,000

Norway: Marit Skivenes

Berkeley: Jill Berrick

Defending Human Rights Against All Odds: Understanding the Resilience of Activists in Uncertain Political Conditions

Social Sciences - \$20,000

Norway: Lise Rakner

Berkeley: Leonardo Arriola

Table 1.6 (Continued): List of Projects Funded in 2020 by Institution (Page 4 of 5)

Native/Immigrant/Refugee: Immobility and Movement Across Contested Grounds

Social Sciences - \$20,000

Norway: Christine Jacobsen

Berkeley: Leti Volpp

De/Re-Regulation of Power Markets and Evolving Solar PV Governance

Social Sciences - \$20,000

Norway: Siddarth Sareen

Berkeley: Daniel Kammen

University of Oslo (UiO)

Molecular Mechanisms of Lysosomal Transformation in Cancer

Life and Medical Sciences - \$20,000

Norway: Cinzia (Anita Maria) Progida

Berkeley: Roberto Zoncu

Solving Nuclear Data Deficiencies in the A=95 Fission Fragment Mass

Mathematical and Physical Sciences - \$20,000

Norway: Sunniva Siem

Berkeley: Jasmina Vujic

Markers of brain activity in early Alzheimer's Disease: The Berkeley-Oslo alliance

Life and Medical Sciences - \$20,000

Norway: Anders M. Fjell

Berkeley: William Jagust

Towards a Global Summit on Gene Editing for Environmental Purposes? An interdisciplinary debate on risk, uncertainty and precaution in the new genetic era

Social Sciences - \$20,000

Norway: Nertila Kuraj

Berkeley: Daniel Farber

Unravelling the genomic basis for adaptation in the snowy owl (*Bubo scandiacus*)

Life and Medical Sciences - \$20,000

Norway: Helle Baalsrud

Berkeley: Rasmus Nielsen

Post-Conflict Security Structures: The Political-Geography of State Control

Social Sciences - \$20,000

Norway: Scott Gates

Berkeley: Aila Matanock

Table 1.6 (Continued): List of Projects Funded in 2020 by Institution (Page 5 of 5)

Groundwater Response to Snowpack Changes

Mathematical and Physical Sciences - \$20,000

Norway: Andrea L. Popp

Berkeley: Laurel G. Larsen

The Rise of the Hindu Right in Indian Electoral Politics

Social Sciences - \$20,000

Norway: Francesca Jensenius

Berkeley: Pradeep Chhibber

University of Stavanger (UiS)

Exhuming immigrant voices from the past: a critical archival study of the Bancroft Library

Social Sciences - \$25,000

Norway: Linn Normand

Berkeley: Catherine Choy

UiT The Arctic University of Norway (UiT)

The Political Life of the Ice Edge: A Comparative Study of the Bering and Barents Seas

Social Sciences - \$25,000

Norway: Brett Kristoffersen

Berkeley: Michael Watts

Peder Sather Center for Advanced Study
LIST OF ADVISORY BOARD MEMBERS 2019-2020

Berkeley Advisory Board

Michael Botchan**
Dean of Biological Sciences

Carla Hesse
Peder Sather Professor of History

Trond Petersen
Executive Associate Dean, Academic Director of the
Peder Sather Center, *Ex Officio*
Professor of Sociology

Raka Ray*
Dean of Social Sciences

Donald Rio
Professor and Co-Chair, Department of Molecular and
Cell Biology

Mark Sandberg
Professor of Scandinavian Studies

Philip Stark*
Associate Dean, Mathematical and Physical Sciences

Elliot Turiel*
Professor of the Graduate School of Education

Karl van Bibber*
Executive Associate Dean, College of Engineering

Catherine Wolfram
Associate Dean for Academic Affairs & Chair of the
Faculty, Haas School of Business

* Executive Committee Member

** Co-chair of the Advisory Board and Executive
Committee Member

Norwegian Advisory Board

Per Bakke*
Dean, Faculty of Medicine
University of Bergen

Hilde C Bjørnland*
Provost for Research and Academic Resources
Norwegian Business School (BI)

Olav Bolland*
Dean, Faculty of Engineering
Norwegian University of Science and Technology
(NTNU)

Gunnar E. Christensen
Vice Rector for Faculty Affairs
NHH Norwegian School of Economics

Anne Halvorsen
Dean, Faculty of Social Sciences
University of Agder

Øystein Johnsen*
Pro-Rector of Research
Norwegian University of Life Sciences (NMBU)

Sten Runar Ludvigsen**
Dean, Faculty of Educational Sciences
University of Oslo

Sonni Olsen
Dean, Faculty of Humanities, Social Sciences and
Education, UIT The Arctic University of Norway

Ragnhild Solheim*
Director of Research, Innovation and External
Cooperation
Norwegian University of Life Sciences (NMBU)