

Time	13 October 2014, 13-16
Place	T40, Geoscience building, Stockholm University
Attending board members	<p><i>Cynthia de Wit, Chair</i> <i>Max Holmström, Student representative</i> <i>Martin Jakobsson, Head, Dep. of Geological Sciences, Stockholm University</i> <i>Jerker Jarsjö, Vice Head, Dep. of Physical Geography and Quaternary Geology, St. U.</i> <i>Erik Kjellström, Head of Rossby Centre, Swedish Meteorological and Hydrological Inst.</i> <i>Marianne Lilliesköld, Swedish Environmental Protection Agency</i> <i>Michael McLachlan, Head, Dep. of Applied Environmental Sciences, Stockholm Univ.</i> <i>Michael Tjernström, Head, Dep. of Meteorology, Stockholm University</i></p>
Other participants	<p><i>Leonard Barrie, Director of Research, Bolin Centre for Climate Research</i> <i>Karin Jonsell, Science Coordinator, Bolin Centre for Climate Research</i></p>
Absent	<p><i>Dan Henningson, Professor, Royal Institute of Technology</i> <i>Alasdair Skelton, Director, Bolin Centre for Climate Research</i></p>
Secretary	<i>Karin Jonsell</i>

§ 1	<p>Meeting opens</p> <p>The chair welcomed everyone.</p>
§ 2	<p>Appointment of attester</p> <p>Michael McLachlan was appointed as attester.</p>
§ 3	<p>Approval of the agenda</p> <p>The agenda for this meeting was approved, with the addition of 9 a-d.</p>
§ 4	<p>Protocol from the previous meeting</p> <p>The protocol from the previous meeting was approved.</p>
§ 5	<p>Student representative on the Bolin Centre Board</p> <p>The chair welcomed the new student representative Max Holmström to the board, see appendix 1. The mandate period ends when the student union appoints a new student representative.</p>
§ 6	<p>Discussion about a future financing model for the Bolin Centre in light of the end of the Linnaeus grant in 2016</p> <p>The Linnaeus money with the Climate Research School grant will end in the summer 2016 and future financing models have to be considered. The climate modelling money from the government's strategic funds will continue until 2020 according to a decision made by the Stockholm University Vice Chancellor, if the evaluation made by the Swedish Research Council has a favourable outcome. This money will then not be earmarked specifically for climate modelling, but target climate research</p>

	<p>in general within the Bolin Centre.</p> <p>Michael Tjernström provided a summary of the situation, see Appendix 2a-b. A graph illustrating the time line for external funding is found in Appendix 2c.</p> <ul style="list-style-type: none"> • The Board discussed the situation and decided to request that the directors prepare several alternative models for future financing in accordance with the proposal in Appendix 2b. • The directors should send their report to the board at the latest at the first meeting of autumn 2015, but the board ask the directors to involve the Board in an iterative process during the spring of 2015.
§ 7	<p>Decision to co-sponsor the international office of WCRP-CORDEX hosted by SMHI</p> <p>SMHI has been a host for the international office of the World Climate Research Program (WCRP) since June 2014. They will organize the next conference for the Coordinated Regional Downscaling Experiment (WCRP-CORDEX) in June 2016 and they have requested that the Bolin Centre endorse WCRP-CORDEX as a major supporting organization and to be co-sponsors of this conference.</p> <ul style="list-style-type: none"> • The Board approved the wording of the document proposed by SMHI. The document goes back to SMHI for further discussion and a final version will be sent to the Board for approval at the next Board meeting.
§ 8	<p>Information</p> <ol style="list-style-type: none"> a. Strategic funding for climate modelling (SFO money) during 2015 The funding will continue during 2015 at the same level as 2014. b. Bert Bolin Climate Lecture 2015 The nomination period for the Bert Bolin Climate Lecture 2015 ends 15 October. c. Science Forum for External Science Advisory Group The titles and schedule for the Science Forum for the External Science Advisory Group can be found in Appendix 4. The Science Coordinator will arrange for the forum to be broadcasted on the web. d. Bolin Days 2014 The plans for the Bolin Days 2014 are proceeding according to plan. Give-aways such as T-shirts, bags and a teasing stick will be handed out during the poster competition. e. AGU 2015 The plans for the booth at the AGU meeting in San Francisco in December are also proceeding according to plan. Same procedure as last year as it was a smashing hit. The new give away is the teasing stick. f. Bolin Centre Summer School 2015 The directors are organising a summer school to be held during the summer of 2015. The topic is isotopes in climate and the Earth systems and the venue is the youth hostel in Port Charlotte on the isle of Islay in Scotland. The Director of Research Leonard Barrie is leading the team developing the content and the Director Alasdair Skelton is leading the organization of practical matters together with the Director of Studies Björn Gunnarson. The Science

	<p>Coordinator Karin Jonsell will handle communication.</p> <p>An open call for a summer school during 2016 has been sent.</p>
§ 9	<p>Any other business</p> <p>a. Board protocol language The language of the board protocol has always been Swedish as this is the official language of Stockholm University, KTH and SMHI. This is unfortunate, as the External Science Advisory Group cannot understand the protocol. The Board asked the chair to investigate if it is allowed to change the protocol language to the more convenient English.</p> <p>b. Plan of activities for 2015 Michael Tjernström brought up the need for an activity plan for 2015 as a complement to the strategy document. The Board agreed and asked for a draft at the next meeting.</p> <p>c. Budget The Board asked for a preliminary budget to be presented at the next board meeting.</p> <p>d. Letter from Bergen Research School The Bolin Centre Climate Research School has been asked for a letter of support to a proposed research school about Earth system sciences. The board delegates to the Director of Research Leonard Barrie and Director of Studies Björn Gunnarson to organize this.</p>
§ 12	<p>Next meeting</p> <p>Next meeting will be 13-16 on 21 November 2014 in room T40 in the Geoscience Building at Stockholm University. It will be preceded by a lunch at the Stockholm University Faculty Club at 11.30-12.30. The chair for the External Science Advisory Group will attend the meeting.</p>

Karin Jonsell,
Secretary

Michael McLachlan,
Attester

Cynthia de Wit,
Chair of the Board



Datum
2014-08-28
Handläggare
Jessica Silva Hurtado

Ort
Frescati, Stockholm

Presidiebeslut nr 33
2014/2015

Val av representant till styrelsen för Bert Bolin Center for Climate Research

Sammanfattning


Studenter har rätt att vara representerade i alla beslutande och beredande organ inom högskolan vars verksamhet har betydelse för utbildningen och studenternas situation. I enlighet med 7 § i Studentkårsförordningen utser Stockholms universitets studentkår studentrepresentanter vid Stockholms universitet med undantag för Institutionen för data- och systemvetenskap och Institutionen för socialt arbete. Studentrepresentanter ska representera samtliga studenter inom organets ansvarsområde.

Hörande

Detta beslut är fattat av ordförande, André Beinö och vice ordförande Anna Wallgren, i samråd med andre vice ordförande med ansvar för studentinflytande Amanda Magnusson Arntsen.

Beslut

Presidiet beslutar
att utse Max Holmström till ordinarie ledamot i styrelsen för Bert Bolin Centre for Climate Research.


André Beinö, ordförande


Anna Wallgren, vice ordförande

From: Michael Tjernström michaelt@misu.su.se
Subject: Re: Bolin Centre: Call for items to the board meeting 13 October
Date: 30 september 2014 10:05
To: Karin Jonsell karin.jonsell@su.se, Alasdair Skelton alasdair.skelton@geo.su.se, Leonard Barrie leonard.barrie@geo.su.se, Cynthia de Wit cynthia.de.wit@itm.su.se
Cc: Erik Kjellström erik.kjellstrom@smhi.se, Martin Jakobsson martin.jakobsson@geo.su.se, Marianne Lilliesköld marianne.lillieskold@naturvardsverket.se, Karin Holmgren karin.holmgren@natgeo.su.se, Dan Henningson henning@mech.kth.se, Michael McLachlan michael.mclachlan@itm.su.se, Max Holmström max.holmstrom@outlook.com, Max Bretschneider max.bretschneider@sus.su.se

Stockholm 2014-09-30

All,

This may already be on the agenda, and I may be preaching to the choir, but the Bolin Center is facing changes in the economic reality over the next several years that we need to prepare for.

The Linneus Grant will expire in 2016 and the funding for continuing the Center will be limited to the SRA funding; the dean has declared that his intention is for the Bolin Centre to keep the entire SRA funding for "climate modeling" but with a broader target; "climate research". This is what we will have to make use of for the future, to continue the Centre.

The SRA funding has so far been distributed unevenly across the departments, to fulfill certain goals. Over time the departments has taken responsibility for permanent positions to varying degrees; costs that will have to be covered in the future. At the same time it is not obvious that this division of the SRA funding between the departments can or must remain the same. We also need to discuss how to view departmental commitments for permanent positions funded by the Linneus Grant in the light of the new situation, as well as the future of the Research School.

Hence we need to figure out a new model for running the Centre in the future, given that the economic realities will change. The sooner we start this process, the easier it will be and waiting will make it more difficult in the long run.

I would therefore suggest that the board discusses this at the next meeting, with the aim to give the directorate the task to outline a strategy for dealing with this change; this strategy should contain a few different scenarios, for example assuming different levels of economic commitment from the departments above the framework provided by the SRA funding, starting from zero to some other reasonable level that we can discuss, as well as different levels of ambition (economically) for a future leadership in a broad sense.

Cheers,
Michael

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Michael Tjernström, PhD
Professor & Head of Department

Department of Meteorology &
Bolin Centre for Climate Research

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The two so-called Linnaeus grants that made the Bolin Center and its research school possible expire mid-2016 which means that the core funding of the Centre will vanish. This funding today covers the costs for the CRS, the Research Areas (RAs) and parts of the central administration.

In 2010 the Centre brought in new funding for climate modeling; a so called Strategic Research Area (SRA). The structure of this funding is different from the original grant, since it is formally faculty funding, and not external funding, but it is contingent on two decisions: 1) the grant from the government to the university must continue, and; 2) the university must decide to continue to fund the Bolin Centre. While the first is not decided yet and will depend on a successful evaluation, the second step seems clarified by statements that the Dean has issued: that the funding should be allocated to the Bolin Centre in its entirety but should be used to support *Climate Research* in a broader sense.

The SRA funding was distributed between the departments according to an unequal model agreed on already in the proposal. The departments have then used this funding to strengthen or initialize climate modeling in a coherent effort, but different departments have used their funding differently; it was always clear that it must be up to the departments to take formal decisions on who and what to hire. Also, three of the four departments got funding from the original Linnaeus grant to hire permanent staff, under certain conditions.

Now that we will lose the funding for the central costs of the Center but can at least assume we get to keep the SRA funding, it is clear that changes need to be done to the Centre and how the costs are distributed assuring the continuity of the Centre in a way that safeguards the economic integrity of the departments.

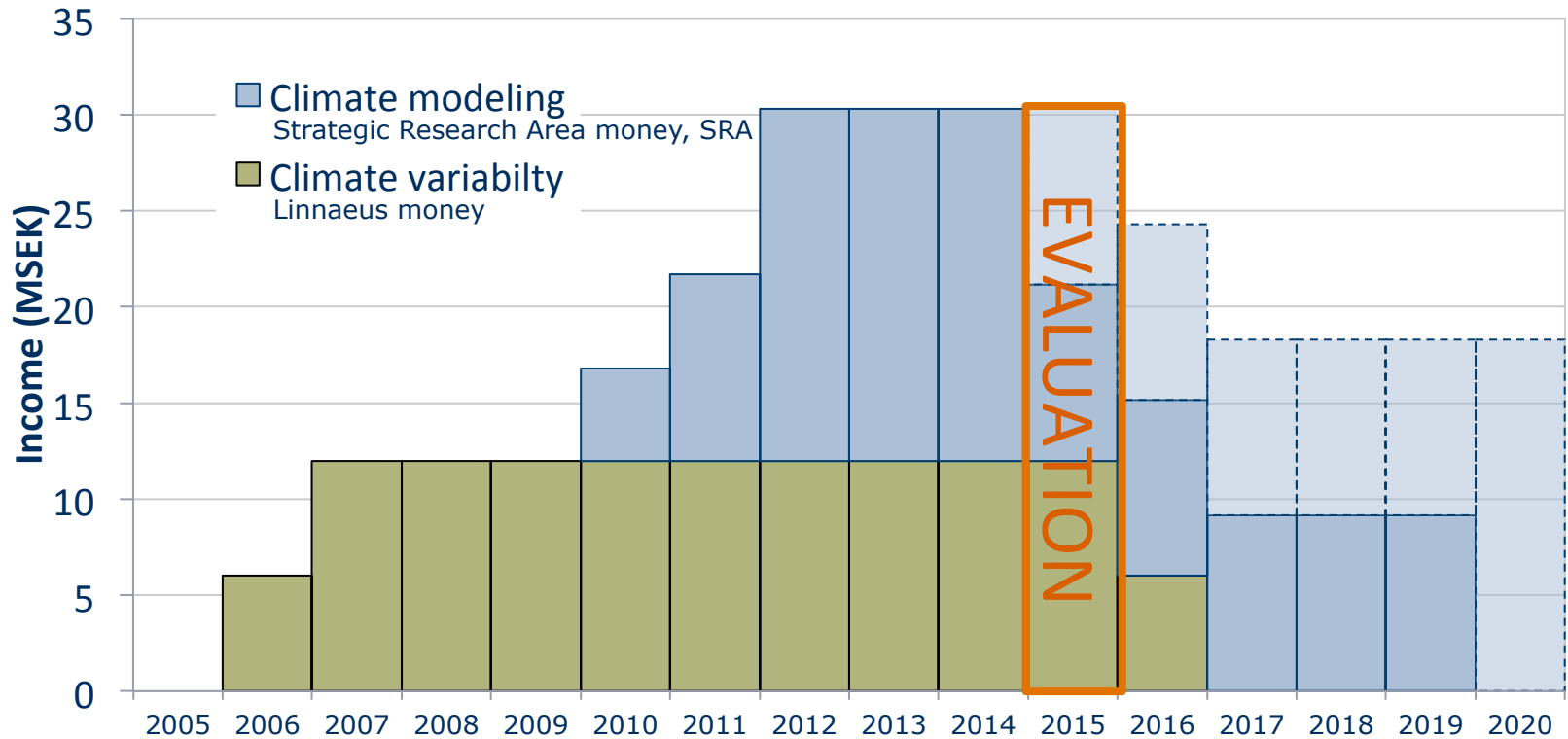
This raises several questions:

- What is the necessary size of a central administration for the Centre?
- What is the minimum funding, if any, necessary to keep the RAs in operation?
- What is the minimum funding, if any, necessary to keep the CRS running?
- How much of the allocated funding will necessarily have to be allocated at the departments to cover costs already incurred, such as permanent positions?
- What permanent positions should be considered in the new model; just those that were funded by the SRA or also those that came with the Linnaeus grant?
- What shall be the cost distribution model for the future Centre?

There may be other questions also, and to answer all of these requires an investigation. The suggestion is that the board gives the task to the directorate to:

Suggest, in collaboration with the heads of department, a couple of models to handle the new situation. At least one of the suggested models should stay within the SRA funding, under the assumption that the ongoing evaluation results in that the university gets to keep the full amount of funding for the foreseeable future. The investigation should provide answers to the questions above and any other that might arise. The directorate reports to the board about the continuing progress of the work, and presents the final result no later than at the last board meeting during the spring semester of 2015, so that the board can initiate any changes in the terms of reference if that becomes should be necessary, according to the current rules.

Our economy



Support by the Bolin Centre for Climate Research

of the International Office of WCRP-CORDEX

hosted by the Swedish Meteorological and Hydrological Institute (SMHI)

Background

In June 2014, the World Climate Research Program (WCRP) accepted the offer of the Swedish Meteorological and Hydrological Institute (SMHI) to host the international office of the WCRP-CORDEX project (Coordinated Regional Downscaling Experiment). CORDEX is a core modelling project (<http://wcrp-cordex.ipsl.jussieu.fr/>) of WCRP that aims to objectively assess and compare various Regional Climate Downscaling Techniques to evaluate their performance, to illustrate benefits and shortcomings of different approaches, and to provide a more solid scientific basis for impact assessments and other uses of downscaled climate information. At the same time, the office was asked by WCRP to organize and host the next CORDEX Conference in Sweden in the week of 13 June 2016. The conference would be of similar size as the first very successful conference held in Brussels in autumn 2013 attended by 400 to 500 people. See outcomes of the last CORDEX meeting at

http://www.wcrp-climate.org/images/documents/news/cordex_challenges.pdf

On 17 June 2014 Erik Kjellström, the Director of the Rossby Centre at SMHI and a member of the Bolin Centre Board emailed the Bolin Centre Directors, Alasdair Skelton and Leonard Barrie, about the possibility of collaborating with SMHI in these endeavours. He emphasized that it would be a good opportunity for the Bolin Centre to connect its fundamental climate research to international research efforts on regional climate modelling and downscaling. The Directors of the Bolin Centre agreed to explore the suggestion. After consultation with management and science advisory groups of the respective organizations, the following action was formulated by the Directors for Research of the Rossby Centre SMHI and The Bolin Centre for Climate Research. It is in the form of a *proposed* Decision for consideration and approval by SMHI Management and the Board of the Bolin Centre for Climate Research.

“Decision Taken Jointly By SMHI and the Board of the Bolin Centre for Climate Research

It is in the interests of climate research in Sweden and internationally that the commitment of the Swedish Meteorological and Hydrological Institute (SMHI) to host the international office of the Coordinated Regional Downscaling Experiment (CORDEX) of the World Climate Research Program (WCRP) is endorsed by the Bolin Centre for Climate Research as a major supporting organization. The Bolin Centre involves a consortium of researchers at the Faculty of Science Stockholm University, Kungliga Tekniska Högskolan (KTH) and SMHI Support of the WCRP-CORDEX international office led by SMHI by the Bolin Centre is a natural outcome of:

- i. SMHI being a member of the Bolin Centre for Research*
- ii. the strong ongoing research in the Bolin Centre on climate modelling, downscaling and development.*
- iii. both organizations being members of the European Climate Research Alliance (ECRA) which has supported WCRP-CORDEX*

It is understood that support consists mostly of the mobilization of knowledge and expertise at the Bolin Centre in assisting with joint organization of events that promote research and its communication to the public. Also, it is understood that the Bolin Centre logo will be prominently displayed amongst those of other major supporting organizations of the CORDEX international office and in outreach material of co-organized events. It is agreed that hosting the 2nd International WCRP/CORDEX Conference on Regional Climate Modelling and Downscaling at Stockholm University in June 2016 will serve to enhance the quality and profile of climate research and related climate services. It is understood that this will be led by SMHI with sponsorship and with organizational/implementation assistance from the Bolin Centre Directorate and Bolin Centre members at Stockholm University “



The External Science Advisory Group

The Bolin Centre external science advisory group (ESAG) is comprised of leading national and international scientists within climate research. The members help the Bolin Centre to see its strengths, weaknesses and possibilities for development as well as increase the Bolin Centre's contacts to international networks and research groups within the climate research area.

The group has several new members and we welcome them to the Bolin Centre with interesting talks and discussions in a science forum preceding the Bolin Days 19-20 November.

November 18, 2014

De Geer room, Geoscience building, Stockholm University

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|-------------|---|
| 13:00–13:15 | Presentation of the Bolin Centre
Bolin Centre Directors Alasdair Skelton & Leonard Barrie |
| 13:15–13:40 | Hot Spots in Glacier Research
Professor Johannes Oerlemans, Chair
<i>Institute for Marine and Atmospheric Research Utrecht (IMAU), Utrecht University, Netherlands</i> |
| 13:40–14:05 | Abrupt changes in the ocean and the Greenland Ice Sheet
Changes driven by past and future changes in sea ice cover and ocean stratification
The approach of the ERC Synergy Grant project Ice2Ice
Professor Eystein Jansen
<i>Bjerknes Centre for Climate Research, University of Bergen, Norway</i> |
| 14:05–14:30 | Exchange of heat and mass between high latitude ecosystems and the atmosphere
Professor Anders Lindroth
<i>Centre for Studies of Carbon Cycle and Climate Interactions (LUCCI), Lund University, Sweden</i> |
| 14:30–14:50 | Fika |
| 14:50–15:15 | Identifying the sources of anthropogenic climate change using global models
Associate Professor Natalie M Mahowald
<i>Dept. Earth and Atmospheric Sciences, Cornell University, USA</i> |
| 15:15–15:40 | The growing peril of climate engineering
Professor Raymond Pierrehumbert
<i>Meteorology and Geosciences, University of Chicago, USA</i>
<i>King Carl XVI Gustaf's Professorship in Environmental Science 2014/2015 Stockholm University.</i> |
| 15:40–16:00 | Discussion |

Oceanography professor Susan Lozier from Earth and Ocean Science, Nicholas School, Duke University, USA, can unfortunately not attend