

Time 29 January 2015, 13–16
Place T40, Geoscience building, Stockholm University

Attending board members *Cynthia de Wit, Chair*
Dan Henningson, Professor, Royal Institute of Technology
Max Holmström, Student representative
Martin Jakobsson, Head, Dep. of Geological Sciences, Stockholm University
Jerker Jarsjö, Deputy Head, Dep. of Physical Geography, Stockholm University
Erik Kjellström, Head of Rossby Centre, Swedish Meteorological and Hydrological Inst.
Marianne Lilliesköld, Swedish Environmental Protection Agency
Christina Rudén, Deputy Head, Dep. of Env. Science and Anal. Chemistry, Stockholm U.
Michael Tjernström, Head, Dep. of Meteorology, Stockholm University

Other participants *Leonard Barrie, Director of Research, Bolin Centre for Climate Research*
Karin Jonsell, Science Coordinator, Bolin Centre for Climate Research
Alasdair Skelton, Director, Bolin Centre for Climate Research

Secretary *Karin Jonsell*

§ 1	Meeting opens The chair welcomed everyone.
§ 2	Appointment of attester Max Holmström was appointed as attester.
§ 3	Approval of the agenda The agenda for this meeting was approved, with the addition of 13 b and 15. The final order of items had to be rearranged due to time constraints, however.
§ 4	Protocol from the previous meeting The protocol from the previous meeting was approved.
§ 5	Scenarios of future financing of the Bolin Centre Bolin Centre director Alasdair Skelton presented an Excel spreadsheet for the purpose of testing future funding scenarios of the Centre. These were for illustrative purposes, so that Board members were made aware of what the Bolin Centre costs now and could cost in the future. The board had a fruitful discussion about the scenarios. Vital to the continuation of the Bolin Centre is the need for centre-related costs including some central staff, a central pot of money and central activities. The research area seed money is very important glue for the Bolin Centre. The spreadsheet will be sent to the heads of department so they can test these and other scenarios. If there are funds remaining after funding the Bolin Centre central costs, a fair method for these funds to be divided will need to be found. The question as to whether SMHI and KTH should contribute to the central funding of Bolin Centre in the future was raised. The Bolin Centre director and the board members from SMHI and KTH will

	<p>discuss this further.</p> <p>The Bolin Centre board will continue discussing funding scenarios at future board meetings, but should aim to have a proposal for the faculty by the end of the spring term.</p>
§ 6	<p>Collaboration in atmospheric research between the Baltic Sea Centre and the Bolin Centre</p> <p>The Research Director Leonard Barrie met with representatives from the Baltic Sea Centre 20 January for a discussion about closer collaboration between our two centres. The meeting resulted in the document in Appendix 1. Christoph Humborg, Scientific supervisor at the Baltic Sea Centre and also a Bolin Centre member had been invited to give a presentation.</p> <ul style="list-style-type: none"> • The Board is very positive to the collaboration and suggests that the directors arrange a workshop during spring 2015 together with the Baltic Sea Centre to discuss common research questions. • One idea of collaboration is to have the Bolin Centre Summer School of 2017 on Askö.
§ 7	<p>Follow-up on the ESAG report recommendations</p> <p>The members of the Science Advisory Group (SAG) have discussed the recommendations made by the External Science Advisory Group (ESAG). There was general agreement with the analysis, but the recommendation to step up the remote sensing activities was regarded as a misunderstanding. There are a lot of such activities in the Bolin Centre, and it was a coincidence that it was underrepresented at the Bolin Days. If the ESAG gives the same recommendation next year, the Bolin Centre will have to act, however.</p> <ul style="list-style-type: none"> • The Board agreed with the SAG and postponed any specific actions to encourage remote sensing activities within the Bolin Centre.
§ 8	<p>Bolin Centre Data Base Support Development</p> <p>A group formed by Håkan Grudd, Rezwan Mohammad, Martin Jakobsson and Leonard Barrie has investigated the need of development and coordination for the database support within the Bolin Centre. The issue has also been discussed in the Science Advisory Group. The recommendation is to form a Database Advisory Group (DAG), see the draft terms-of-reference in Appendix 2.</p> <ul style="list-style-type: none"> • The Board approved the formation of a Database Advisory Group (DAG). • The Board asked that each department and SMHI and KTH appoint members to the DAG. • The Board approved the terms-of-reference for the DAG after inclusion of the suggestions made by the board. Research Director Leonard Barrie will finalize the document.
§ 9	<p>Research education in Climate Science</p> <p>Director Alasdair Skelton will meet the head of Department of Physical Geography and report back to the board.</p>
§ 10	<p>Procedure for remuneration for teaching in the CRS</p> <p>Deputy Head of the Department of Physical Geography Jerker Jarsjö presented the case of a Matlab course given for the Bolin Centre Climate Research School in 2011, 2012, 2013 and 2014. The Department has received remuneration for 2014, but not for the other years. The cost has been included in the Climate Research School budget, but the Department of Physical Geography has missed requesting payment due to change of staff. The final cost for the years 2011, 2012 and 2013 is</p>

	<p>approximately SEK 570 000.</p> <ul style="list-style-type: none"> The Board approves the retroactive payment for the Matlab course to the Department of Physical Geography The Director has mandate to approve costs up to SEK 100 000, but is requested to bring the issue to the Board for sums above this.
§ 11	<p>Undergraduate teaching in climate science</p> <p>Director Alasdair Skelton has led a group with representatives from each department working to develop a 30 hp distance undergraduate course in climate research. The course was planned to be a course package (“kurspaket”) with one course from each department, but advertised as a set.</p> <p>A proposal was sent to the Faculty’s Education Advisory Board (GB), and was later withdrawn because some issues were not yet resolved. These relate to financing, entry requirements and the target audience of the course.</p> <ul style="list-style-type: none"> Because the Bolin Centre remains positive to this idea, the Heads of Department were asked to discuss these issues further.
§ 12	<p>The Bolin Centre’s involvement in the WCRP-CORDEX conference</p> <p>SMHI’s representative in the Board, Erik Kjellström, related that the final document with the relations between WCRP, SMHI and the Bolin Centre worked out regarding the CORDEX conference, is still being negotiated.</p> <p>The CORDEX conference is preliminarily scheduled to 16-20 May 2016 and is expected to attract 500 participants. The conference hall Aula Magna will however be rented by SMHI, and not via the Bolin Centre as previously agreed.</p>
§ 13	<p>Status of climate modelling coordination from 2015 onwards</p> <ol style="list-style-type: none"> After many years of supporting the Bolin Centre, Gunilla Svensson has stepped down as its Coordinator for Modelling. Her hard work has been appreciated enormously. The directors have had meetings with the Science Advisory Group (SAG) and the scientific programmers regarding the future organisation of modelling activities. Some information is still needed, and heads of departments have to be consulted, so the item was tabled to the next meeting. The KTH Flow representative Dan Henningson gave a summary of the Swedish e-Science Research Centre’s (SeRC) lobbying efforts to secure supercomputer resources in Sweden. Several applications from research groups, including the Bolin Centre, to the Swedish National Infrastructure for Computing (SNIC) through the Swedish National Allocations Committee (SNAC) were discussed as well as overall lobbying efforts to increase spending directed to e-infrastructure from the Swedish Research Council (VR).
§ 14	<p>Nomination of Margret Steinhorsdottir as third RA co-leader for RA6</p> <p>The Research Area 6 has requested a third co-leader to enhance the Palaeozoic side of their research area and divide labour.</p> <ul style="list-style-type: none"> The Board approved Margret Steinhorsdottir as a co-leader for research area 6.
§ 15	<p>FORMAS request for case studies</p> <p>FORMAS, which handles the Linnaeus grant, has requested 3 case studies from the Bolin Centre for</p>

	<p>an analysis of the area of climate research, see Appendix 3 a-b. The studies are due from Stockholm University 16 March, and thus from the Bolin Centre 9 March.</p> <ul style="list-style-type: none"> The Board suggested SWERUS, CMIP5 and Douglas Nilsson's Arctic project as case studies to be sent from the Bolin Centre to FORMAS.
§ 16	<p>Information</p> <p>a. Action on coordination of remote sensing science in the Bolin Centre As stated in §7 there is no need for further coordination. The members of the Science Advisory Group are going to send names of scientists involved in remote sensing to the directors.</p> <p>b. Outcome of Bolin Centre Booth at AGU 2014 32 scientists from the Bolin Centre went to the AGU and another 36 were involved in presentations at the meeting. The Bolin Centre had a booth there and it was in every respect as successful as the one last year. Three Bolin Centre staff set up and manned the booth and the Bolin Centre scientists were extras networking and handing out leaflets, bags, jig saws and teasing sticks. The marketing impact of the Bolin Centre was enormous.</p> <p>c. Bert Bolin Climate Lecture 2015 The Bert Bolin Climate Lecture will be held 27 May 2015.</p> <p>d. Status of outcome of SFO Review The hearing for the Climate Modelling money was held December 3, 2014. The delegation included the Dean, director Alasdair Skelton and climate modelling coordinator Gunilla Svensson. The outcome is expected to be made public 1 May 2015.</p>
§ 17	<p>Any other business</p> <p>There was no other business.</p>
§ 18	<p>Next meeting</p> <p>Next meeting will be 9 March in T40=T433 in the Geoscience building.</p>

Karin Jonsell,
Secretary

Max Holmström,
Attester

Cynthia de Wit,
Chair of the Board

Appendix 2

(for Board Mtg of Bolin Centre 29 January)

Collaboration in Earth Science Research between the Baltic Sea Centre and the Bolin Centre for Climate Research

(Outcome of Directors' Meeting 20 January)

Background

The Baltic Sea Centre formed in 2013 is comprised of a group of approximately 41 people with 25 research scientists. Amongst the 25 scientists is a group of 7 physical oceanographers as well as several modellers, marine ecologist and biogeochemist. The Baltic Sea Centre is an entity within the Faculty of Science of SU with potential links to many departments and partners of the Bolin Centre. It has evolved into a well-structured organization with solid funding through international cooperation, Swedish research interests as well as strategic partnership with the Baltic 2020 foundation. One current source of funding is the Strategic Research Area (SFO) BEAM project which, like the Strategic Research Area for Climate Research of the Bolin Centre, is in a renewal phase. A cornerstone of the Baltic Sea Centre infrastructure is the Askö observatory on an east coast island near Stockholm and a new research vessel. This facility is supported by 5 staff. Details of the Centre and its research can be found at <http://www.su.se/ostersjocentrum/english/>.

Founded in 2006, the Bolin Centre for Climate Research (<http://www.bolin.su.se/>) is a multi-disciplinary consortium of researchers led by Stockholm University that conducts fundamental research on critical processes in the climate system. It involves approximately 270 researchers spread across the departments of Meteorology; Environmental Science and Analytical Chemistry; Physical Geography and Geological Science at Stockholm University together with FLOW at KTH Royal Institute of Technology and researchers at the Swedish Meteorological and Hydrological Institute.

Contact between the two centres began in 2014 with informal discussions, a presentation at Bolin Dagarna in November by Christoph and an ad hoc discussion of the leaders prior to the review of our respective strategic research areas. On 20 January, 2015, a meeting took place between Leonard Barrie, Director for Research of the Bolin Centre and Research Leaders of the Baltic Sea Centre: Tina Elfving, Bo Gustafsson and Christoph Humborg to explore cooperation before meeting with the Board of the Bolin Centre on 29 January 2015. This summary was prepared by all with later input from Bolin Centre Director who due to unforeseen circumstances could not attend.

Summary Statement

1. The group agreed that there are benefits to be gained in collaborations between the Centres that will (i) better integrate intellectual resources of Centres and (ii) better utilize the tremendous research and observational facilities offered by the Baltic Sea Centre and its new research vessel. It was felt that one important aspect of achieving this is to “pull together” the centres through common activities. Questions such as the following will help in doing this:
 - a) how will climate change affect the Baltic Sea environment, ecosystems and resources?
 - b) what can we learn about climate and Earth system processes in general from the natural laboratory that is the Baltic Sea?
 - c) How can regional climate and Earth system models be improved by collaboration between the Centres?
2. Both Centres have funding to support brainstorming joint workshops in 2015 to develop common research questions/projects as well as activities that result in better joint use of facilities. We are open to suggestions.
3. With regard to integrating intellectual resources, one obvious step that could be taken is to cross-appoint Baltic Sea Centre researchers in Bolin Centre partner departments and organizations.

BOLIN CENTRE DATABASE ADVISORY GROUP (DAG)

TERMS OF REFERENCE

Preamble

The main objective of the Bolin Centre Database initiative is to ensure the preservation, interoperability and open access of climate research data for Members of the Centre. Data and metadata stored in the database are made available through a web interface at <http://bolin.su.se>. A database coordinator and a technical database manager currently makes up the Database Team.

The External Science Advisory Group of the Bolin Centre (ESAG) pointed out (in their report of 9 December 2014) the need to increase the capacity of the Centre Database: *“The Bolin Centre collects unique datasets, some of which are very large. The capacity to organize an efficient and user-friendly databank is too limited. Archiving of the data cannot be left over to international databanks only. The ESAG proposes that action is taken to increase the capacity.”* From a discussion with the ESAG chair during the 21 Nov 2014 the following action was initiated: *“The [Bolin Centre] Board agreed that a more structured approach to data base services in the Centre is needed that has stronger participation of the Departments and their data base personnel. As a start, the [Bolin Centre] directorate is asked to prepare terms of reference for a possible Database Advisory Group to be discussed at the next board meeting. This document is in response to this request.*

1. Purpose

The Bolin Centre Database Advisory Group will provide strategic direction, leadership and support and budgetary planning advice to the Database Team to ensure an increased capacity and a refined operability of the Bolin Centre Database.

2. Term

This Terms of Reference are effective from 29 January 2015 and will be ongoing until terminated by agreement between the parties.

3. Membership

The Bolin Centre Database Advisory Group will consist of one representative from each of the Bolin Centre partner institutions at Stockholm University, KTH and SMHI. The Data Base coordinator will chair the group and a rapporteur will be elected by the members on an annual basis

4. Roles and Responsibilities

To ensure the delivery of Data Base Management Service and Support that in turn, ensure the preservation, interoperability and open access of climate research data generated by Bolin Centre Activities

5. Meetings

- All meetings will be chaired by the Bolin Centre Data Base Coordinator reporting to the Directors of the Bolin Centre
- A meeting quorum will be the chair, rapporteur and two thirds of the remaining members of the advisory group
- The operating principle is to foster a dialogue and to make decisions by consensus. If consensus is not reached it will be documented in the minutes. Meeting agendas and minutes will be provided by the rapporteur, this includes:

- preparing and distributing agendas and supporting papers at least one week before the meeting
- preparing and distributing meeting minutes that are ratified by a group member no later than two weeks after the meeting..
- Meetings will be held at a minimum of twice a year.

6. Amendment, Modification or Variation

This Terms of Reference may be amended in writing through consultation with the Directors of the Bolin Centre and approval by the Bolin Centre Board.

From: Cynthia de Wit Cynthia.deWit@aces.su.se 
Subject: FW: Extra agenda item
Date: 29 januari 2015 09:53
To: Karin Jonsell karin.jonsell@su.se

CD

Hej Karin,

Alasdair glömde skicka till dig.

Mvh,
Cindy

PLEASE NOTE NEW DEPARTMENT NAME, EMAIL ADDRESS AND WEBSITE

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e-mail: cynthia.dewit@aces.su.se
<http://www.aces.su.se>

From: Alasdair Skelton [<mailto:Alasdair.Skelton@geo.su.se>]
Sent: Wednesday, January 28, 2015 07:36
To: Arjen Stroeven; Cynthia de Wit; Dan Henningson; Erik Kjellstrom; Marianne Lillieskold; Martin Jakobsson; Michael McLachlan; Michael Tjernström
Subject: Extra agenda item

Dear Board members,

I have been requested to identify 3 case studies for an analysis of research in the area of climate by FORMAS. I would like for us at the Bolin Centre Board meeting to discuss these case studies and identify suitable persons to write them.

Many thanks,
Alasdair

From: Åsa Borin
Sent: 26 January 2015 16:22
To: Ove Eriksson; Alasdair Skelton
Subject: VB: utkast mail till Ove och Alasdair

Hej Ove och Alasdair!

Formas har kontaktat rektorer vid landets lärosäten för medverkan i uppdrag att analysera forskningen inom Formas ansvarsområden. Formas har fått ett regeringsuppdrag att analysera forskningen inom områdena areella näringar, miljö och samhällsbyggnad. Syftet med uppdraget är att belysa finansiering, resultat och effekter av forskningen inom områdena med hjälp av insamlat underlag. Formas ber lärosätena om hjälp med insamling av data om finansiering och resultat av forskning samt av fallstudier som belyser forskningens genomslag, underlag från Formas bifogas.

När det gäller den publiceringsprofil som Formas efterfrågar så har vi bett om bibliotekets hjälp och när det gäller data om finansiering gör vi uppskattningar centralt men när det gäller fallstudier som belyser forskningens genomslag så behöver vi er hjälp. Stockholms universitet ska ta fram totalt 7

serier forskningens genomslag så behöver vi hjälp. Stockholms universitet ska ta fram totalt 7 fallstudier varav 3 måste vara med klimatfokus.

Alasdair – kan du hålla i att ta fram tre fallstudier med klimatfokus?

Ove – kan du hålla i att ta fram tre fallstudier?

HS-området har fått i uppgift att ta fram en fallstudie.

Kontakta de personer/grupper som ni bedömer kan ta fram dessa fallstudier.

Stockholms universitet ska redovisa uppdraget till Formas senast den 16 mars. Vilket gör att jag behöver fallstudierna senast den 9 mars.

Med vänliga hälsningar

Åsa

Åsa Borin
Kanslichef

Områdeskansliet för naturvetenskap
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Tel: 08-16 2266
www.science.su.se



1. Brev Rektor_SU
141210.pdf



1. Instruktion och mall
fallstudier F...och 5.docx



1. Instruktion och mall
kvantitativa...laga 3.xlsx



1. Formas klassificering
av forsknin...aga 7.docx



1. Formas områden i
WoS kateg...aga 6.docx





Rektor
Stockholms universitet
106 91 Stockholm

Datum: 2014-12-10
Diarienummer: 2014-1761
Handläggare: Peter Schilling

Reviderade instruktioner för medverkan i Formas analysuppdrag

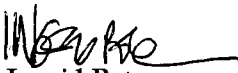
Bästa Astrid Söderbergh Widding,

Formas har med andelning av analysuppdraget (Regeringsbeslut M2014/1847/Mn) haft en workshop den 28 november 2014 med berörda lärosäten. På basis av lärosätenas förslag och kommentarer från workshopen har Formas beslutat att:

1. Nya senaste dag för leverans av material till Formas är den 16 mars 2015.
2. Tidigare begäran om data avseende personalstatistik tas bort.
3. Ytterligare underlag tas fram av Formas för att underlätta lärosätenas datainsamling.

Till detta brev bifogar vi reviderade bilagor 1-3 som ersätter de som skickades ut den 18 november. Bilagor rörande fallstudierna (4-5) är oförändrade men bifogas i nytt format. Vi har också lagt till bilagor 6-8 som syftar till att underlätta lärosätenas arbete med datainsamlingen. Bilaga 6 innehåller en klassificering av Formas områden i Web of Science tidskriftskategorier. I bilaga 7 presenteras den klassificering Formas gör av forskningen inom dess ansvarsområden. Bilaga 8 innehåller information om vilka organisatoriska enheter på lärosätena som erhållit finansiering från Formas.

Formas hoppas att lärosätena upplever att minskningen av uppdragets omfattning och den ursträckta tidsrymden underlättar medverkan i analysuppdraget.


Ingrid Petersson
General direktör


Georgia Destouni
Huvudsekreterare

Bilagor

1. Regeringsuppdrag att analysera forskningen inom Formas ansvarsområden (reviderad beskrivning)
2. Underlaget (reviderad beskrivning)
3. Instruktion och mall för insamling av kvantitativa data (excellfil, reviderad).



Forskningsrådet för miljö, areella näringar och samhällsbyggande, Formas
The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning

4. Instruktion för fallstudier (word-format).
5. Mall för fallstudier (word-format).
6. Formas områden i WoS tidskriftskategorier.
7. Formas klassificering av forskningen inom dess ansvarsområden.
8. Organisatoriska enheter på lärosätena som erhållit finansiering från Formas.



Bilaga 1

Regeringsuppdrag att analysera forskningen inom Formas ansvarsområden

Formas har fått i uppdrag av regeringen att genomföra "... en övergripande analys av den samlade finansiering av forskning som bedrivs inom rådets ansvarsområden." (Regeringsbeslut M2014/1847/Mn). Uppdraget är omfattande och identifierar ett tiotal frågor som regeringen vill ha svar på. Analysen ska redovisas till regeringen senast 2015-10-01.

Formas har även fått ett särskilt uppdrag att redovisa klimatforskningen. Formas har valt att samla in data samtidigt till de båda uppdragen.

För att genomföra uppdragen kommer Formas att samla in data om den forskning som finansieras och dess resultat. Formas kommer även att samla in fallstudier av forskningens genomslag i samhället och göra bibliometriska studier av forskningens resultat inom våra ansvarsområden. Med genomslag av forskningen menas en framgångsrik tillämpning för att åstadkomma sociala, ekonomiska, miljömässiga eller kulturella effekter. Inlämnade fallstudier av genomslag kommer att bedömas av expertpaneler. Den samlade analys som görs för regeringsuppdragen kommer vidare att användas för att ta fram en forskningsfinansieringsstrategi för Formas, som i sin tur blir ett avstamp för Formas inspel till den kommande forskningspropositionen.

Formas ber nu 11 lärosäten om hjälp med datainsamling och med att ta fram fallstudier av forskningens genomslag. Vi har valt ut Formas 11 största anslagsmottagare under åren 2008-2013 för forskning inom alla våra tre ansvarsområden. Dessa lärosäten har alla erhållit mer än hundramiljoner kronor var under perioden. Totalt motsvarar det över 90 procent av Formas forskningsfinansiering.

Underlaget bör utformas enligt anvisningarna i bilagorna 2-5 och vara Formas tillhanda senast den 16 mars 2015. För att underlätta lärosätenas arbete med underlaget bjöd Formas in representanter från varje lärosäte till en endags workshop den 28 november. Syftet var att skapa en gemensam förståelse för materialet som ska samlas in.

Om ni har frågor: Kontakta Peter Schilling, Formas, peter.schilling@formas.se, tel. 08 -775 4061.



Bilaga 2

Underlaget

Det underlag som Formas ber er att samla in ska omfatta perioden 2008-2013. Utgångspunkten är Formas tre ansvarsområden: Areella näringar, Miljö och Samhällsbyggnad. Den första delen av underlaget är kvantitativ och information om *all forskning* på lärosätena som bedrivs inom Formas ansvarsområden efterfrågas (bilaga 3). Den andra delen är redovisning av fallstudier av genomslaget av den forskning som bedrivs inom Formas ansvarsområden (bilagor 4-5). I möjligaste mån har Formas försökt integrera datainsamlingen för sina båda uppdrag. Fallstudier inom klimatområdet ska dock redovisas särskilt.

Workshopen den 28 november hade som mål att skapa samsyn om angreppssätt för datainsamlingen. När det gäller fallstudierna kunde målet uppfyllas. När det gäller den kvantitativa datainsamlingen kunde vi inte enas om *en* modell. Två huvudförslag diskuterades.

Det första var att utgå från Formas områden kategoriserade i termer av Web of Science (WoS) tidsskriftkategorier. En sådan kategorisering finns i bilaga 6.

Den andra var att utgå från en organisatorisk indelning och via lärosätets ekonomisystem hitta data som matchar Formas klassificering. Som en hjälp i detta arbete har Formas i bilaga 8 tagit fram organisatoriska enheter på lärosätena som erhållit finansiering från Formas.

Deltagarna på Workshopen önskade också att Formas satte de tretton områdena i ett sammanhang. Detta återfinns i bilaga 7.

Finansiering och publiceringsprofil

Vi ber om data inom Formas tre ansvarsområden som har brutits ner till 13 underområden. Vi ser gärna att ni använder den excellfil som är bifogad och de mer detaljerade instruktioner som finns där (bilaga 3).

- Under fliken ”finansiering” frågar vi efter nationell och internationell finansiering av forskning fördelat på finansiärer och tretton underområden.
- Under fliken ”Publiceringsprofil” ber vi att ni redovisar antal publikationer under respektive kategori.

Genomslag av forskningen

För att kunna skapa oss en uppfattning om genomslaget av forskningen inom våra tre ansvarsområden och separat inom klimatforskningen kommer vi att använda oss av fallstudiemetodik. I bifogade instruktioner finns mer detaljerad information om hur man genomför en fallstudie om genomslag av forskning (bilagor 4-5).