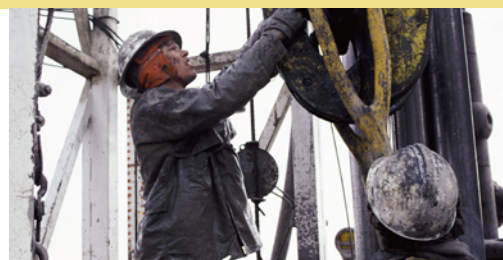
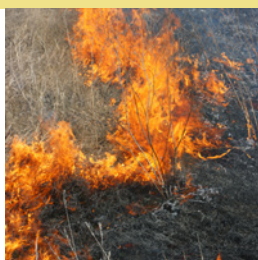


# • Annual Report 2012



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Gaustadalléen 21  
0349 Oslo

# Introduction

In June 2012 I took over as director of CICERO, as Pål Prestrud's two terms had come to an end. I arrived with awe of an organization that employs first class scientists in a wider range of disciplines than any normal human brain can possibly span. And I quickly realized that my days in the shadows were over: On my second day at work I was invited to a private meeting on the Arctic with the CEOs of Statoil and Exxon Mobile Norway and the Ministers of Foreign Affairs of Norway and USA (Jonas Gahr Støre and Hillary Clinton). It became immediately apparent to me that the voice of science can indeed be heard, and it is our job to use that voice wisely.

In 2013, the first of the three working group reports of the Intergovernmental Panel on Climate Change (IPCC) 5th Assessment report will be rolled out. When the fourth report was published, back in 2007, the media interest for climate was huge; an interest that remained high for more than a year. CICERO welcomes this attention towards our area of research. Not only do we have three Lead Authors in this working group, who with their detailed knowledge of the IPCC process and the content of the working group report will be able to respond to the public's increased demand for information, but our Communication Unit is taking the lead in Europe for coordinated communication work in the connection with the release, a lead they surely will continue to enforce when working groups two and three release their reports in the spring of 2014.

I am personally quite familiar with the IPCC process, but much less familiar with the climate negotiations. The IPCC assessment reports have served as a basis for negotiating the United Nations Framework Convention on Climate Change (UNFCCC) from the start, and I seized the opportunity to travel with the CICERO team to the 18th annual Conference of the Parties (COP) in Doha in November. Three CICERO scientists were part of the negotiations teams, a testament to the relevance of our research and to our decision makers' interest in making informed decisions. In addition one of our research leaders was there to comment on the negotiations in Norwegian media. The trip was an exciting learning experience: depressing because of the slow speed of negotiations, yet exciting in that small steps forward were deeply cherished in a way one could not appreciate from a distance.

CICERO has, during the past ten years, grown much too big for its organizational setup, so we spent the fall reorganizing. In principle, we have identified smaller teams with senior leaders within our larger units that no employee should feel very far from his/her mentor. Another advantage of this new setup is that the activities of the organization are much easier to identify, both for



**SECOND DAY AT WORK: U.S. Secretary of State Hillary Clinton visited Norway in 2012. Here we see CICERO's director Cecilie Mauritzen in a private meeting with Hillary Clinton, CEO Helge Lund, Statoil, Lead Country Manager Meg O'Neill at ExxonMobil Norway and Minister of Foreign Affairs Jonas Gahr Støre.** Photo: Foto: Andrea Gjestvang, Ministry of Foreign Affairs.

an outsider and for any one of us. We will evaluate the reorganization throughout 2013.

We moved into new offices in 2012, solving a housing issue that had become very visible as the organization was growing. The institute is unfortunately still split into two locations, a problem that seems difficult to overcome as long as we are located in CIENS/ Forskningsparken. However, the various teams are at least colocated, and with CICERO's positive spirit I feel confident that we will find many ways to minimize, mentally, the physical distance.

Pride is a word that comes easily to mind when one works for CICERO. Those who have been here a long time can be proud of what they have accomplished and how they collectively have produced high-quality information about climate issues to the international research community – including the IPCC – and to the Norwegian public for more than two decades. Those of us who are new to the organization can be proud to have become part of this lively, creative, fun place to work.

# Research

Research at CICERO is interdisciplinary in nature, and looks at both the scholarly and applied implications of a wide range of questions about the climate system, the impacts of climate change, and climate policymaking. Projects range from local to international in scope, and in 2012 among many others the following:

## Can conditional commitments break the climate change negotiations deadlock?

Can a conditional commitment by a major actor induce other major actors to reciprocate? This study addresses this question by estimating the impact of EU's commitment to increase its emission cuts over the period 1990-2020 from 20 to 30% on the condition that other actors also increase their reductions. Does such a conditional commitment provide incentives for other important actors (USA, China, India, or Japan) to contribute more and thereby help move the climate negotiations forward? The main findings can be summarized in four main points: (1) Emission cuts by the EU will reduce mitigation costs for all the other actors (and vice versa), but the promised increase is insufficient to induce substantial new commitments. (2) By making its commitment *conditional* on others following suit, the EU signals that others will get more in return for increasing their own

commitments. However, the effect depends on (a) the «exchange rate» the EU offers between their own and the other actors' contributions, and (b) the credibility other actors lend to the *conditionality* of the EU's commitment. (3) Key countries in the South – for instance India – insist that the cost of emission cuts be distributed in accordance with fundamental principles such as the right to development and historical responsibility. Rapid economic growth in several of these countries combined with stagnation in many western economies have weakened the latter's willingness to accept «disproportionally» high responsibilities. (4) Analyses of internal decision-making processes in the USA and EU reveal an intrinsic bias in favor of well-organized groups and industries that expect to lose from ambitious mitigation policies. The domestic scope of politically feasible solutions may therefore be smaller than an estimate of gains and costs for the country at large may indicate. Combining these findings, the authors conclude that a *conditional* commitment from a key actor *could* influence others, but only under a set of favorable circumstances.

### Reference:

- Arild Underdal, Jon Hovi, Steffen Kallbekken and Tora Skodvin: *Can conditional commitments break the climate change negotiations deadlock?* *International Political Science Review*, 33 (2012), 4: 475-493

## Pastoral herding strategies and governmental management objectives (ECOPAST)

Pastoral systems are usually characterized as being unsustainable and inefficient. Politically, this translates into two different, albeit interrelated, management approaches: (1) privatizing common pastures to increase production efficiency; and (2) reducing livestock numbers to decrease overgrazing.

Næss (2012) developed a model showing that pastoral cooperation exploits increasing production returns from labour investment, because cooperation results in an increased output coupled with a reduction in labour-related costs for individual households. In another study,



**The climate change negotiations are deadlocked. Can frontrunners who make conditional pledges lead other countries to contribute more?** Photo: Steffen Kallbekken.



**Pastoral work related activities are usually done collaboratively. Here, Tibetan nomads shear cashmere wool from goats.** Photo: Marius Warg Næss.

Næss et al. (2012) found that slaughter strategies in the Saami reindeer husbandry are not only shaped by their own wealth but also by what other herders are doing, i.e. herders with larger herds, surrounded by neighbouring herders of closer kin that slaughtered many animals, slaughtered more reindeer compared to herders with smaller herds surrounded by more distantly related kin that slaughtered less.

Taken together, these studies suggest that the aforementioned management approaches are problematic because (1) privatisation increases coordination problems with respect to extant social institutions that already have the potential to increase production efficiency and (2) reducing livestock numbers by stimulating *individual* herders to slaughter through economic subsidies (as in Norway) does not take into account how herders actually make slaughter-related decisions.

Environmental hazards, such as drought, floods and icing have been found to negatively affect livestock survival and reproduction. Scenarios for future climate change predict an increased average, variance and even a changed distribution of important climatic variables like precipitation and temperature as well as an increase in frequency of extreme weather events. While pastoralists are in a unique position to tackle climate change due to extensive experience managing environmental variability in marginal areas, governmental policies that disregard the cooperative and interdependent aspects of strategies may severely limit pastoralists' ability to respond to changes.

#### References:

- Næss, M. W. (2012). *Cooperative Pastoral Production: Reconceptualizing the Relationship between Pastoral Labor and Production*. *American Anthropologist* 114(2):309-321. <http://dx.doi.org/10.1111/j.1548-1433.2012.01427.x>.
- Næss, M. W., Bårdsen, B.-J., and Tveraa, T. (2012). *Wealth-dependent and interdependent strategies in the Saami reindeer husbandry, Norway*. *Evolution and Human Behavior* 33(6):696-707. <http://dx.doi.org/10.1016/j.evolhumbehav.2012.05.004>.

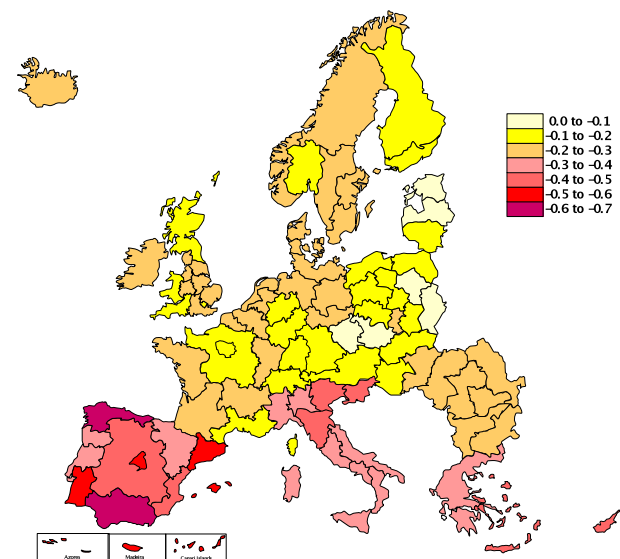
## Impacts and adaptation to climate change in European economies

This study evaluates the economic impacts of climate change in Europe. Based on a number of European studies on effects of climate change, relationships are calculated between indicators for precipitation and temperature and effects on various economic sectors, such as access to natural resources, energy demand, tourism and damage to buildings and infrastructure. These impacts are integrated into an economic model, where Europe is divided into 85 sub-regions. Sectors adapt to the climate change events, which are described based on results from climate models. Results are based on scenarios of a +2 °C and +4 °C increase in global temperature, respectively. According to the study, a +2 °C increase in global temperature will have a moderate impact on European economies, with positive impacts in some sub-regions, primarily due to increased agricultural productivity in northern Europe. In other regions, primarily in the south, the impacts are negative, but no region experiences a decrease in GDP of more than 0.1 per cent per year. With an increase of +4 °C, impacts are noticeably larger, and they are negative in all regions. Impacts are most substantial in the south, and in southern and northwestern parts of Spain GDP falls by up to 0.7 per cent per year (see map). Impacts are much lower in northern and eastern parts of Europe. The moderate impacts in the east are partly due to climate change improves foreign exchange, which benefits industry. With an increase in temperature of +4 °C, wage differentiation across Europe also increases, which may cause migration from southern to northern Europe.

This study was part of the ADAM project, which was supported by the 6th Framework Programme of the EU Commission, with support from the Norwegian Research Council.

#### Reference:

- Aaheim, A., H. Amundsen, T. Dokken, and T. Wei (2012): "Impacts and adaptation to climate change in European economies", *Global Environmental Change* [22], 959-968



**Impact on value added (GDP) in Europe of an increase in global mean temperature at +4 °C.**

# Communication and Outreach

2012 was the year that CICERO had its first youtube hit, got a new director and started working on how to disseminate the next IPCC report.

## New director

2012 marked the end of ten years with Pål Prestrud as the director of CICERO. CICERO's communication unit promoted two stories to the media: One about the director through ten years, and one about our new director Cecilie Mauritzen, oceanographer and experienced climate researcher. Both stories helped generate media interest in the other. CICERO organized a conference summarizing the last ten years of climate research, with high level participation from other Norwegian research institutions, and garnered media interest from both print, TV and radio.

## Moving images and synthesis reports

In 2012 consensus was that the climate negotiations had grinded to a halt. CICERO decided to illustrate the standstill by animating it. The animation was a part of a package put together to promote a synthesis report commissioned by the Research Council on research on international climate negotiations.

The report was completed by summer, but the animation was released just in time for the negotiations in Doha. The day the conference in Doha ended, the 83 second animation had been seen about 100.000 times, and had been promoted by the New York Times dot earth blog, Slate.com, MSNBC, time.com and PBS. In Norway the animation was used by Stavanger Aftenblad and VG, among others, to illustrate and educate. By March 1st 2013 it has been seen 160.000 times. CICERO had made its first animation and its first youtube hit. CICERO also co-produced three films about climate change intended for schools, published on klimafilm.no. The communication unit also coordinated two synthesis reports for the Ministry of the Environment about cities and environmental challenges. Both are published under the CIENS umbrella.

## White Paper on Climate Change

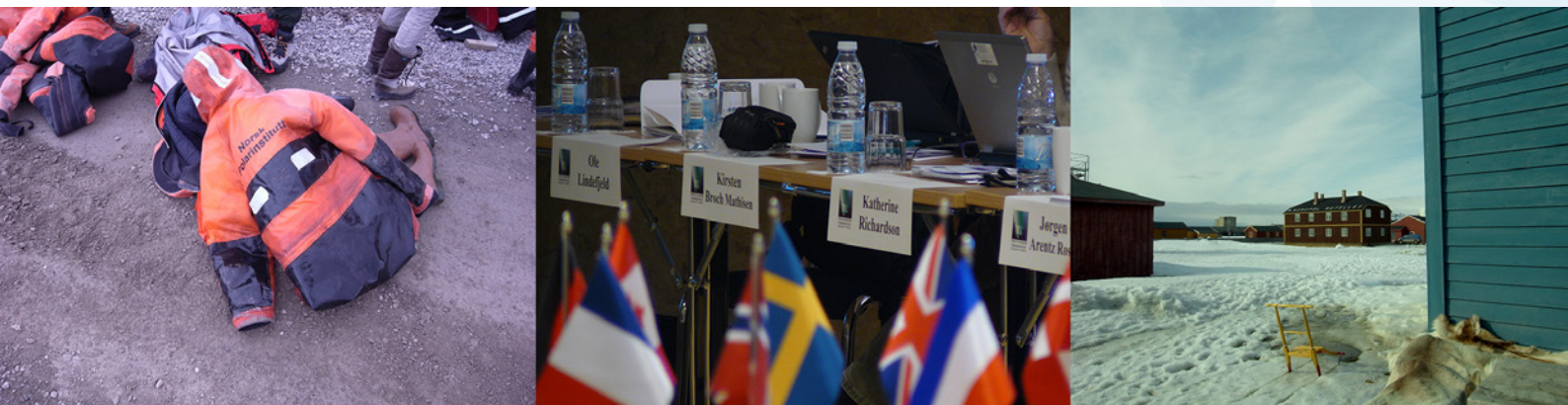
The long awaited white paper on climate, the so-called Klimameldingen, was published without warning April 25th. Together with members of the research team, the communication unit picked the most interesting points in the white paper, produced stories for our website and used twitter to disseminate these stories. Research director Knut Alfsen and research leader Steffen Kallbekken and research fellow Borgar Aamaas were quoted in national media partly as a result.

## Doha

CICERO had a smaller contingency at the climate negotiations this year compared to earlier. The expectations for the negotiations were low, and the Norwegian media interest reflected this. Research leader Steffen Kallbekken reported, however, live on national television about the progress in the negotiations. Kallbekken also reported almost daily on the national newspaper VG's homepage. After the negotiations CICERO, in cooperation with the business school BI, arranged a seminar summarizing the conference. The seminar was well visited.

## Dissemination and Debate

CICERO was cited 1.406 times in 2012 in print and online media. This is 552 times more than in 2011. CICERO researchers participated in the debate around several issues during 2012. The national broadcaster NRK aired a critical documentary on green certificates in October, which was followed up by opinion pieces by Kristin Linnerud and Elin Boasson Lerum in *Forskning.no* and in *Dagens Næringsliv*, as well as in CICERO's own magazine *KLIMA*. Borgar Aamaas, a researcher on the *Tempo* project, read an inflight magazine in which the Norwegian airline Norwegian promoted their low CO<sub>2</sub> emissions. This prompted Borgar to write a critical article in *KLIMA*, which in turn sparked the interest of Norwegian public radio. Glen Peters, member of the scientific steering committee of the Global Carbon Project, released a report in December implying that global warming might reach 5 degrees by 2100.



**Symposium at the top of the world. CICERO is handling the logistics behind gathering high level politicians, researchers, international media and business executives for an annual symposium at 78»N in Ny Ålesund, Svalbard. The 2012 symposium was covered by German Der Spiegel and British The Guardian.**

### Other seminars and conferences

After the American presidential election the CICERO communication unit sold an opinion piece on the issue on behalf of the CICEP program. For CICEP, CICERO also organized the seminar “Four more years with Obama” which garnered interest from media outlets such as Dagsavisen, Teknisk Ukeblad, NTB and Finansavisen.

CICERO’s communication unit was responsible for all the practical arrangements concerning the annual Ny Ålesund Symposium in May. Apart from being responsible for the smooth running of a conference close to the North Pole, CICERO was also responsible for attracting international press. German Der Spiegel and British The Guardian produced numerous articles for their outlets.

On March 8th, CICERO organized a conference commissioned by the Ministry of Foreign Affairs on Women’s Leadership and Climate Related Disasters at the Nobel Peace Center. The conference had 125 attendees. Funded by the ministry of foreign affairs CICERO also held a series of open meetings as a part of the Refleks project. The meetings covered climate related topics such as climate refugees and changes in the Arctic.

For the CIENS strategic research collaboration CICERO organized a water seminar, funded by the Norwegian Research Council. With funding from the private sector, senior communication adviser Christian Bjørnæs has been touring the country teaching professionals in the field of property damage restoration and temporary humidity control about climate change.

The Tempo research project on transportation had its third annual conference, this time on bio fuel, with 65 attendees.

### Print and social media

The KLIMA magazine had a circulation of 9.600 by the end of 2012, and remains a very important channel for debate and disseminating research news. Our electronic newsletter Klimanytt comes out two times a week has 3.728 subscribers, and CICERO’s Twitter feed has 2.556 followers (01.03.2013), an increase of 1.699 since March 2011. Twitter also generates traffic on our website.

Christian Bjørnæs and Pål Prestrud published the book “Between the Poles” in 2012 during the IPY conference in Montreal, while Tove Kolset and Pål Prestrud contributed with a chapter in the book “Research and Money” which was released during the literature festival in Lillehammer.

### What’s lying ahead

At the end of 2012 CICERO started communication work for the EU-funded project ToPDAd. We are currently working on the website for this project. The website will serve as a template for websites for other external research projects in the future. Work on CICERO’s own website is in its final stages, and will be launched during 2013. CICERO has received funding from the organization Minor Foundation to disseminate research findings from the IPCC. We will work directly with other Norwegian research institutions as well as with governmental institutions in disseminating IPCC findings. CICERO has instigated a network of European climate communicators (ECCO), and we will function as a coordinating hub in this network.

# Board of Directors

CICERO's Board of Directors is appointed by the Ministry of the Environment and comprises members with backgrounds in research, government, business and industry.

**The following board was appointed by the University of Oslo for the period January 1<sup>st</sup> 2012 – 31<sup>st</sup>**

**December 2015:** Director Birger Kruse, Norwegian School of Veterinary Science (chair), Professor Kristin Asdal, Center for Technology, Innovation and culture, Faculty for Social Science, University of Oslo (Vice Chair), Senior Executive Vice President, Trond Fredrik Mellingsæter, Danske Bank (member), Director

of Climate Department Audun Rosland, Climate Department, Climate and Pollution Agency (member), Research Fellow, Trude Rauken, CICERO (member), Professor Kjell Arne Brekke, Department of Economics, University of Oslo (alternate), Adviser Elin Enge, Forum for Environment and Development (alternate) and and Senior Research Fellow Bob van Oort, CICERO (alternate).

## Chair:



Chair:  
Director Birger Kruse,  
Norwegian School  
of Veterinary Science



Vice Chair:  
Professor Kristin Asdal,  
Center for Technology,  
Innovation and culture,  
Faculty for Social Science

## Members:



Senior Executive Vice  
President, Trond Fredrik  
Mellingsæter,  
Danske Bank



Director of Climate Department,  
Audun Rosland,  
Climate Department,  
Climate and Pollution Agency



Research Fellow,  
Trude Rauken, CICERO

## Alternates:



Professor  
Kjell Arne Brekke,  
Department of Economics,  
University of Oslo



Adviser, Elin Enge,  
Forum for Environment  
and Development



Senior Research Fellow  
Bob van Oort, CICERO



# Key Financial Figures

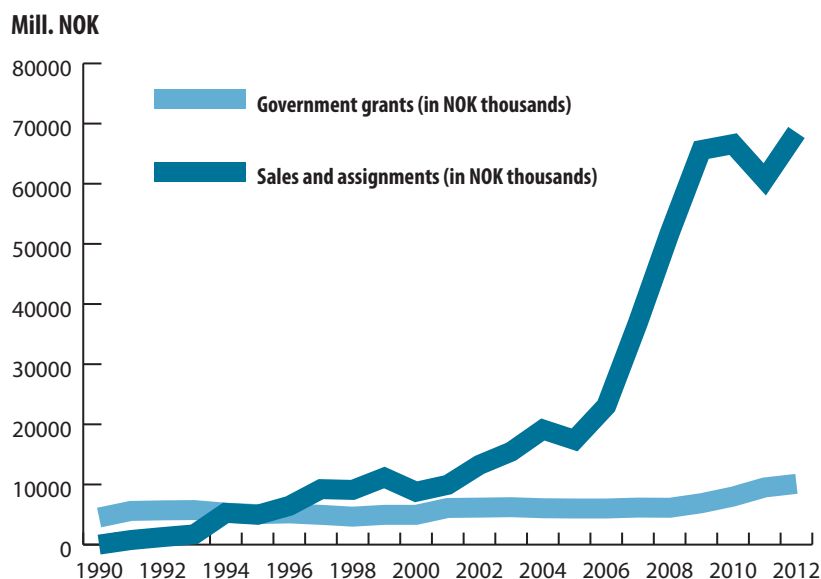
Operating revenues for 2012 totaled NOK 78,666,219, compared to NOK 70,317,835 the previous year. Net income was negative and came to minus NOK 855,542. The negative earnings for 2012 will be deducted from earned equity capital, which after deduction will amount to NOK 23,271,414.

CICERO showed a negative operating result of minus NOK 1,603,866. CICERO's net financial items totaled NOK 817,928.

The key financial figures show a solid financial basis with good liquidity and financial soundness.

The Board of Directors sees the year's net income, which corresponded to minus 1.0 per cent of sales, as not satisfactory. The Board believes that in the years to come CICERO will have ample opportunity to reach a positive net income.

The basic government grant from the Research Council of Norway accounted for 11.5 per cent of CICERO's income in 2012. Income from international clients made up 8.1 per cent of total income in 2012, compared to 6.6 per cent in 2011. The Research Council of Norway accounted for the bulk of project financing (64.7 per cent in 2012, compared to 72.4 per cent in 2011).



# Staff 2012

In 2012 there were 92 persons employed by CICERO during the year (including short term employees), with positions totaling 69.8 full-time equivalents (FTEs), compared to 66.9 in 2011. Of these 69.8 FTEs, 32.8 were filled by women and 37.0 by men. The number of research FTEs was 51.5, compared to 48.1 in 2011. At the close of 2012, CICERO had 87 employees (compared to 85 at the close of 2011).

Three people left their positions at CICERO in 2012 (including temporary positions).

## Directors

- **Mauritzen, Cecilie, Director (from June 1<sup>st</sup>)**
- **Prestrud, Pål, Director (up til May 31<sup>st</sup>)** – Senior Advisor from June 1st
- Alfsen, Knut H., Head Research Director
- Kolset, Tove, Information Director
- Hagen, Kjell Arne, Assistant Director

## Research Directors

- Aaheim, Asbjørn
- Fuglestvedt, Jan S.
- Kallbekken, Steffen
- Westskog, Hege

## Information

- Bjørnæs, Christian, Senior Information Advisor
- Gran, Jorunn, Senior Information Advisor
- Haugneland, Petter, Information Advisor (up to May 25th)
- Pileberg, Silje I., Information Advisor (up to March 6th)
- Wendelborg, Siri, Information Advisor
- Bjermeland, Monica, Information Advisor
- Reed, Eilif U., Information Officer
- Tollefsen, Erik, Advisor
- Dalsbø, Gudmund, Information Officer (hourly basis)
- Ruohonen, Tiina, Information Advisor (hourly basis)

## Adminstration

- Sønsterud, Irene M., Office Secretary
- Zupin, Paolo, Office Secretary
- Nørstebø, Ruth Kristin, Accounting Assistant
- Kobbervik, Harald, Senior Accountant
- Hvalby, Jørgen S., Senior Controllor
- Rørvik, Frode, IT Manager
- Rundberget, Ola N., IKT Consultant (up to October 1st)
- Veiby, Tone, Office Manager

## Scientific personell / Researchers

### Professors / Affiliated Staff

- Berntsen, Terje K. (part time)
- Cherry, Todd, (part time)
- Hovi, Jon (part time)
- Rose, Lawrence E. (part time)
- Isaksen, Ivar S.A. (part time)
- Seip, Hans Martin (part time)
- Skodvin, Tora (part time)
- Sprinz, Detlef, (part time)
- Tschakert, Petra, Senior Research Fellow (part time)
- Underdal, Arild (leader of CICEP, part time)
- Aase, Tor H., (part time)

### Senior Research Fellow

- Aunan, Kristin
- Andrew, Robbie
- Bang, Guri (Post Doctor)
- Berger, Janne
- Boasson, Elin Lerum
- Dalsøren, Stig B.
- de Bruin, Karianne
- Ericson, Torgeir B.
- Glomsrød, Solveig
- Gullberg, Anne Therese
- Hovelsrud, Grete K. (part time)
- Hodnebrog, Øivind
- Kallbekken, Steffen
- Kasa, Sjur (part time)
- Kelman, Ilan
- Kvalevåg, Maria M.
- Lopez, Jorgé
- Linnerud, Kristin
- Myhre, Gunnar
- Næss, Marius Warg
- Ogilvie, Astrid
- Olivié, Dirk
- Oort, Bob van
- Peters, Glen
- Samset, Bjørn Hallvard
- St. Clair, Asuncion
- Skeie, Ragnhild Bieltvedt
- Søvde, Ole Amund
- Torvanger, Asbjørn
- Wei, Taoyuan

## Research Fellow

- Mideksa, Torben K. (up to August 10<sup>th</sup>)
- Romstad, Bård
- Rauken, Trude
- Korneliussen, Kristine
- Lamadrid, Armando José
- Tørnblad, Silje
- White, Jeremy L. (up to July 1st)
- Aamaas, Borgar

## PhD Student / Research Fellow

- Amundsen, Helene
- Alnes, Line W.H.
- Hermansen, Erlend A.T.
- Holmelin, Nina
- Karstensen, Jonas
- Karlsson, Marianne
- Lund, Marianne T.
- Rybråten, Stine (up to July 1st)
- West, Jennifer J.
- Aasen, Marianne
- Aakre, Stine
- Aamodt, Solveig
- Sælen, Håkon

## Senior Adviser

- Moe, Thorvald (part time/hourly basis)

## Research Coordinator

- Song, Sigrid Rian

## Project Assistant

- Hopp, Joaquin Zenteno (part time/hourly basis)

# Organization Chart



**Cecilie Mauritzen**  
Director



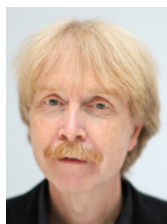
**Knut H. Alfsen**  
Head Research Director



**Tove Kolset**  
Information Director



**Kjell Arne Hagen**  
Assistant Director



**Jan S. Fuglestedt**  
Research Director



**Hege Westskog**  
Research Director



**Asbjørn Aaheim**  
Research Director



**Steffen Kallbekken**  
Research Director

# External Publications

## Journal publication - Academic article

Note: Names in bold are employees at CICERO or they were employed at the time the article were accepted for publishing.

- **Aaheim, Asbjørn; Amundsen, Helene;** Dokken, Therese; **Wei, Taoyuan.** Impacts and adaptation to climate change in European economies. *Global Environmental Change* 2012; Volum 22.(4) s.959-968
- Aldrin, Magne; Holden, Marit; Guttorp, Peter; **Skeie, Ragnhild Bieltvedt; Myhre, Gunnar; Berntsen, Terje Koren.** Bayesian estimation of climate sensitivity based on a simple climate model fitted to observations of hemispheric temperatures and global ocean heat content. *Environmetrics* 2012 ;Volum 23.(3) s.253-271
- **Amundsen, Helene.** Differing Discourses of Development in the Arctic: The Case of Nature-Based Tourism in Northern Norway. *Northern Review* 2012 ;Volum 35. s.125-146
- **Amundsen, Helene.** Illusions of resilience? An analysis of community responses to change in Northern Norway. *Ecology & society* 2012 ;Volum 17.(4)
- Aslaksen, Iulie; **Glomsrød, Solveig;** Myhr, Anne Ingeborg. »Late lessons from early warnings» - Uncertainty and precaution in policy approaches to Arctic climate change impacts. *Polar Geography* 2012;Volum 35.(2) s.135-153
- **Bang, Guri; Hovi, Jon; Sprinz, Detlef F.** US presidents and the failure to ratify multilateral environmental agreements. *Climate Policy* 2012: Volum 12.(6) s.755-763
- Boholm, Åsa; Corvellec, Hervé; **Karlsson, Marianne.** The practice of risk governance: lessons from the field. *Journal of Risk Research* 2012: Volum 15.(1) s.1-20
- **Cherry, Todd; Kallbekken, Steffen;** Kroll, Stephan. The acceptability of efficiency-enhancing environmental taxes, subsidies and regulation: An experimental investigation. *Environmental Science and Policy* 2012 ;Volum 16. s.90-96
- **Cherry, Todd L.;** Cotten, Stehpen J. Environmental conflicts with reimbursement: experimental evidence. *Economics Bulletin* 2012 ;Volum 32.(4) s.3224-3232
- Daniel, John S.; Solomon, Susan; Sanford, Todd J.; McFarland, Mack; **Fuglestedt, Jan S.;** Friedlingstein, Pierre. Limitations of single-basket trading: lessons from the Montreal Protocol for climate policy. *Climatic Change* 2012; Volum 111.(2) s.241-248
- Dannevig, Halvor; **Rauken, Trude; Hovelsrud, Grete K.** Implementing adaptation to climate change at the local level. *Local Environment : the International Journal of Justice and Sustainability* 2012;Volum 17.(6-7) s.597-612
- Dodds, Rachel; **Kelman, Ilan;** Thiesen, Natalie; McDougall, Alison; Garcia, Joshua; Bessada, Tim. Industry Perspectives on Carbon Offsetting Programs in Canada and the USA. *Sustainability: Science, Practice, & Policy* 2012 ;Volum 8.(2)
- Eide, Nina Elisabeth; Stien, Audun; **Prestrud, Pål;** Yoccoz, Nigel; Fuglei, Eva. Reproductive responses to spatial and temporal prey availability in a coastal Arctic fox population. *Journal of Animal Ecology* 2012 ;Volum 81.(3) s.640-648
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