SINCIERE environmental conference[1, 2, 3]

New knowledge. New insight.
Better local, regional and global management

24-25 August 2015

Sino-Norwegian interdisciplinary environmental and climate research will be presented and be the base for a science and environmental governance dialog.

Goals

Achievements and experiences will be presented at this conference and conclusions and recommendations on themes and directions for future cooperation between China and Norway will be discussed. This will be based on the broad scope and experiences from the altogether 15 bilateral RCN/CHINOR research projects as well as a large portfolio at the Norwegian Embassy on governance related bilateral projects. The CHINOR-projects were launched in 2009 and selected jointly with China Academy of Sciences (CAS). The Embassy projects are established through a dialog on priorities between the Environmental Ministries in China and Norway, and are involving management and scientists on both sides.

CHINOR will constitute the scientific core at the conference to be enveloped in key-note addresses by leading institutions and environmental authorities. In total this will constitute the platform for the final discussions and dialog on future Sino-Norwegian cooperation in environmental and climate science as well as science based environmental and climate governance.

The goals of the conference are to:

- Visualize the quality, relevance and strength of the bilateral Sino-Norwegian cooperation within environmental and climate issues by presenting
    - Major Sino-Norwegian projects during the past 25 years
    - CHINOR projects on interdisciplinary environment and climate research
    - Major achievements from the cooperation between the environmental authorities
- Envisage how these activities have led to renewed and strengthened policies and governance in the two countries and further strengthened the cooperation between China and Norway
- Chart a new course forward for the future co-operation within the institutions strategies and national financial possibilities
- Build a meeting place for scientists and policymakers
- Organize a platform for RCN to present relevant financial instruments

[1] Arranged by SINCIERE/Norway together with the Research Council of Norway (RCN)
Contact; Kari Kveseth (k.kveseth@kjemi.uio.no)
[2] The Sino-Norwegian Center for Interdisciplinary Environmental Research, established through a MoU in 2006 between RCEES and the University of Oslo/CIENS. Research Centre on Eco-Environmental Sciences/China Academy of Sciences (RCEES)
[3] CHINOR; Program for stimulating Chinese-Norwegian Research Cooperation/The Research Council of Norway (RCN)

Program

The conference language is English

Date: August 24

09.00: Registration

09.15 - 11.00: *Opening addresses and keynote speeches*

Venue: Research Council of Norway, Auditorium Moser

Chair: Bjørn Tore Kjellemo, Research Council of Norway (RCN)

- *Welcoming addresses*
    - Arvid Hallén, Research Council of Norway
    - Gard Lindseth, Ministry of Climate and Environment
    - Thomas L. Hansteen, Norwegian Embassy, Beijing
- *Key note speeches*
    - Stine Aakre(CICERO); The role of short-lived climate forcers in the global climate regime; mitigation potential incentives and strategies
    - Zhang Zhongshi (NZC/UniRes); Climate issues

11.00-11.30*: Coffee break*

11.30 - 12.30: *Setting the scene*

Chairs: Gao Yongqi (NZC/NERC/UiB) and Rolf D. Vogt (UiO/SINCIERE)

- Anne Marie Mo Ravik (Norwegian Environment Agency);
  Prioritized environmental cooperation projects with China
- Ingunn Borlaug Lid og Janicke Giæver (The Research Council of Norway);
  H2020 on environmental research – including cooperation with China
- Ann Elin Hattrem (The Research Council of Norway); RCN - International strategy

12.30-13.30: Buffet lunch

13.30 - 14.30: *Setting the scene continued*

Chair: Kari Kveseth (UiO/SINCIERE)

Achievements and cooperation with decision makers. Examples on how to address current issues by research and education.

- Hans Martin Seip (University of Oslo (UiO));
  Origin and development of Chinese-Norwegian research on acid rain.
- Thorjørn Larssen (Norwegian Institute for Water Research (NIVA)):
  A decade of Sino-Norwegian research collaboration on mercury pollution
- Rune Svarverud (UiO); Interdisciplinary research on air pollution;
  the "Airborne" project at Zhejiang and Oslo Universities as a case
- Li Liu (Norwegian Institute for Air Research (NILU));
  Air quality forecasting system for a mega city (Wuhan) in China

14.30- 14.40: Kari Kveseth (SINCIERE/UiO); *Introduction to the parallel sessions on scientific issues*

14.40-15.00: *Coffee break*

15.15-18.00: *Scientific Issues*

Three parallel sessions A-C, different meeting rooms

15.15 – 17.00: Presentations by the scientists,
Q&A, Summing up, 15 projects in total, 20 min for each project presentation including Q&A.
Each speaker is encouraged to include a 5 min presentation by a connected PhD student.
Clarifying scientific questions after each presentation of projects.

17.00-18.00: Final discussions in each parallel session
To be prepared by the rapporteurs on important results – climate and environmental issues.
What have we learned? What works, what does not work? Possible ways forward.

The rapporteurs to present their conclusions at the plenum session in the morning on August 25.

A: Climate modelling, effects and remote sensing

Venue: Meeting room Abel 2

Chair: Nalân Koc (Norwegian Polar Institute (NPI))
Rapporteur: Jon Eigill Kristjansson (UiO)

Subject	***Speaker***
1. Advanced modelling and observing solar radiation of Artic sea-ice-understanding changes and processes	Sebastian Gerland (Norwegian Polar Institute (NPI))
2. Long range transport of black carbon and the effect on the snow albedo in north-east China and in the Artic	Jean-Charles Gallet (NPI)
3. Satellite remote sensing of atmosphere/surface systems and ground truth measurements	Jacob J. Stamnes (University of Bergen (UiB))
4. Exploring decadal to century scale variability and changes in East Asian climate during the last millennium	Gao Yongqi (NZC/NERC/UiB)

B: Sources of Greenhouse gasses

Venue: Meeting room Abel 1

Chair: Leonor Tarrason (NILU)
Rapporteur: Jihong Liu Clarke (NIBIO)

Subject	***Speaker***
1. Sources of Greenhouse gasses in China	Li Liu (NILU)
2. Climate change and Chinese agriculture: Effects on food production and adaptation	Wei Taoyuan (CICERO)
3. Transforming China onto a low carbon pathway	Robbie Andrew (CICERO)
4. Designing effective emission trading - the contribution of international diffusion	Jørgen Wettestad (Fritjof Nansen Institute (FNI))
5. Spatial planning, vacation homes and climate change	Jin Xue (NMBU)

Session C: *Environmental issues*

Venue: Auditorium Moser

Chair: Thorjørn Larssen (NIVA)
Rapporteur: Per Stålnacke (Bioforsk)

Subject	***Speaker***
1. Mechanisms of the air-surface exchange of organic pollutants and mercury in Chinese subtropical forest	Luca Nizzetto (NIVA)
2. Adsorption of phenanthrene to a suite of carbon nanotubes and influence on PAH bioavailability and ecotoxicity to aquatic organisms.	Andy Both (SINTEF)
3. Watershed Eutrophication management in China through system oriented process modeling of pressures, impacts and abatement actions	Rolf D. Vogt (UiO)
4. Forests in South China: an important sink for reactive nitrogen and a regional hot spot for N_2O	Jan Mulder (NMBU)

18.30: Conference Dinner at the Research Council

Date: August 25

09.00-10.30: ***Wrapping up from the Science perspective: based on the August 24. Parallel sessions***

Venue: Abel 1+2

Debate moderator: Nils Chr. Stenseth (UiO); Discussion on future cooperation areas

Debate Rapporteurs: Stein Sandven (NZU/NERSC) and Jon Samseth (NTNU/SCOPE)

The goal of this session is to make a report on prioritized recommendation as summarized from the previous sessions, primarily from the parallel science sessions A-C.
Discussion on important results – climate and environment. What have we learned? Possible ways forward. What are the drivers? What should be the goals?

- Introductions by the session A-C rapporteurs Kristjansson, Clarke/Tarrason, Stålnacke
- Interaction with the audience - Q&A
- Concluding remarks

The Debate Rapporteurs to present a report in the afternoon wrapping up session

10.30-11.00: *Coffee break*

11.00 - 15.00: ***Way forward – future SINO-Norwegian cooperation***

Chair; Ann Elin Hattrem, NFR
Rapporteur; Eivind Hoff-Elimari, NFR

This session is divided into two elements:

- Additional Perspectives, before lunch
- Round table discussion, after lunch

11.00- 12.00: Additional Perspectives

- Leonor Tarrason (NILU/CIENS); The environmental issues in a multi-institutional perspective
  - The urban case
- Anders Elverhøi (UiO Energy Initiative); The future SINCIERE
  - The Energy Issue, a new perspective for cooperation?
- Knut Sørlie, Innovation Norway, Beijing; The Energy and Environment Sector in China

12.00-13.30: Buffet Lunch

13.30 - 15.00: ***Round table discussion***

Round table moderator: Anne Grosvold, NRK

Roundtable: Nils Chr. Stenseth (UiO), Thomas L. Hansteen (Norwegian Embassy, Beijing), Thorjørn Larssen (NIVA/University of Oslo)

- The Debate Rapporteurs Stein Sandven (NZC, NERC) and Jon Samseth (NTNU/SCOPE); Report from the Science part of the conference
- Discussions

Builds on impressions from the Conference so far, the talks on Additional Perspectives before lunch and the report from the Science discussion this morning presented by the Debate Rapporteurs.
Q&A and Issues;

- From the research side –dissemination of results and new issues
- From the governance side - knowledge gaps

What have we learned? Forward looks/future cooperation possibilities. What are the drivers? What should be the goals? Possible partners in China. The connections between research and environmental governance.

15.00- 16.00: Final reflections

Chair; Rolf Vogt (SINCIERE/UiO)

- Per Backe - Hansen, Research Council of Norway; Relevance and future financial possibilities in Norway/EU
- Jan Mulder, NMBU; A scientists reflections
- Bjørn Tore Kjellemo, RCN; Take home lessons for the Research Council
- Rolf D. Vogt, UiO/SINCIERE; Closing session

16.00: End of Conference

17.00 – 19.00: Optional program

Boat trip with the UiO research vessel F/F Trygve Braarud

Max number of participants is 29, based on the first to sign principle.
The trip will be cancelled if unsuitable weather conditions.