SINCIERE
Sino-Norwegian Centre for Interdisciplinary Environmental Research

• Bilateral agreement between CAS/RCEES and CIENS/UiO

• Sponsored by: The Research council of Norway
• Enable Chinese decision makers to establish efficient abatement strategies on environmental challenges thereby ensuring a sustainable development.

Sustainability implies positive solutions for all components.

Needs for environmental protection are balanced against limitation posed by social harmony and economic production.

– To obtain this knowledge, integrated assessment studies of the ways pollution and inadequate resource management affect the environment and humans are required.
Understand the links from emissions through effects to responses

- **Drivers**
- **Pressures**
- **Dispersion**
- **Transformation**
- **State and fluxes**
- **Long range transport**
- **Effects**
- **Responses**
- **Legislation**
- **Abatement measures**
**DPSIR –philosophy**

**Conceptual framework**

**Drivers:** Activities in society to achieve ”good life” (production, energy, travel)

**Pressures:** side effects of drivers (Emissions, combustion of fossil fuels, CO₂)

**State:** Chemical, Biological properties of, Water, Air, Soil, Climate, Radiation

**Impacts:** Fish extinction, vegetation damage, Impacts for user interests, floods, droughts

**Nature’s Response:** Changed biodiversity, adjusted ecosystems, feedback mechanisms

**Society’s Response:** Adjustments, environmental protection, environmental technology, policy, legislations, taxes
Needs

- Social, economic and nature scientists do not usually socialize
  - We need to generate breeding ground for interdisciplinary projects
    - Meeting point
    - Think tanks
    - Workshops

- Allocate funding
Our SINCIERE Vision:
To act as a catalyst and mediator for cooperation between China and Norway within the field of environmental research.

- Facilitate interdisciplinary and policy relevant research and serve as a node for a broad network of associated institutions.
Advantages

- Integrate research networks
  - Through international collaboration
    national cooperation develops
- Strengthen institutional and scientific capacity
- Constitute a noticeable rostrum
to allocate funding for environmental research
  in China
- Provide common framework and infrastructure for
  projects
  - Facilities, Workshops, Think Tanks
- Increase access to international research funding
  (EU’s 7th, WB, etc)
Substance

- **Member Forum**
  - “CAS: RCEES, SYIG, IGSNRR
    CAF: SFA
    CASS
  - Universities:
    Nanjing Wuhan, Renmin, Tsinghua, Agricultural, Peking
    SEPA: CRAES
  - and others”
  - CIENS: NIVA, NILU, NIBR, NINA, NVE, UiO, CICERO, TØI
    UiO: Faculty of Mathematics and Natural Sciences
  - Associated members:
    BioForsk, Univ. of Life Science, Norw. Forest & Landscape Institute, HiT, ECON, FNI, NORDECO, NUPI

- **Staff**
  - Chinese director, secretary,
  - Bilingual administrative coordinator,
  - Scientific coordinators

- **Facilities**
  - Office, venues, laboratories
Thank You

谢谢