Norway’s Leading University

• Located in the capital
• Oldest university in Norway (1811)
• Largest research and teaching institution in the country
• 8 Faculties
  – Over 70 academic units:
    • 44 departments
    • 16 Interdisciplinary research centres and 3 centres of excellence (CoE)
    • 2 museums
– 30,000 students
– 5,400 employees of which
  • 3,000 are academic staff
    – 20% are externally financed.
    – Student/academic staff ratio of 10

• Rated 20th best in Europe, 69th in the World (Shanghai Jiaotong Rating 2005)
Number of Staff per Faculty
Faculty of Mathematics and Natural Sciences

- 4000 students
- Multi/interdisciplinary science
  - Atmosphere, hydrosphere, pedosphere/geosphere, and biosphere
- Local, regional and global scale
- 2 Nobel prizes
  - Odd Hassel in chemistry (1969) and Ivar Giaever in physics (1973)

9 Departments:
- Department of Theoretical Astrophysics
- Department of Molecular Biosciences
- Department of Biology
- School of Pharmacy
- Department of Physics
- Department of Geosciences
- Department of Informatics
- Department of Chemistry
- Department of Mathematics

“Water and the environment”
University Centres

Centres under the UiO Board
- The Biotechnology Centre of Oslo
- Centre for Womens’ Studies and Gender Research
- Centre for Development and the Environment

National Centres
- The Norwegian Centre for Human Rights
- The Centre for Studies of Holocaust and Religious Minorities

Nordic Centres
- Nordic Institute for Women’s and Gender Research
- Nordic Institute for Maritime Law

Science faculty centres
- National
  – Centres of Excellence
    • Molecular Biology and Neuroscience
    • Mathematics for Applications
    • Physics of Geological Processes
  – Other
    • Norwegian Centre for Science Education
    • Centre for Entrepreneurship
    • Centre for Accelerator based Research and Energy Physics
    • Centre for Materials Science and Nanotechnology
- Nordic
  – Centres of Excellence
    • Centre for Ecological and Evolutionary Synthesis
  – Other
    • Research in Water Imbalance Related Disorders
- International
  – Centre for Geohazards
UiO - CIENS

- From October 2006
- Co-operation between autonomous research Institutes and the UiO.
  - Linking applied and basic research
- CIENS can act as a legal entity, a foundation in collaborations and coordinated projects
- Proximity – on campus!
- UiO member of all common research themes
- Described in more detail by Dr. Naustdalslid
International Cooperation
General Principles

- Strength through collaboration
- Equal Partnerships
- Long Term Institutional Cooperation
- Global Solidarity
- Excellence as goal
- Holistic approach
Areas of ongoing research btw UiO and Chinese institutions, examples:

**Natural Sciences**
- Environmental Chemistry; Geosciences; Biology; Physics; Astrophysics; Materials & Nanotechnology; Molecular Biology & Neuroscience; Pharmacy

**Social Sciences:**
- Environmental Economics; Environmental Politics; Economics; Sociology; Anthropology

**Humanities:**
- Chinese Philology & Literature; Ibsen Studies; World Religions; Minority Studies; Anthropology & Cultural studies; Ethnicity; Tibetan studies; Women & Gender studies

**Law:**
- Human Rights; Minority Studies; Maritime Law

**Medicine:**
- Several aspects within Basic & Clinical Research (incl. Cancer Research); Medical Rehabilitation
Formal Cooperation agreements with Chinese institutions

**General:**
- Peking University, Fudan University,
- Nanjing University, Wuhan University,
- Chinese Academy of Social Science

**Network:**
- Nordic Centre in Fudan (www.nordiccentre.org/)
- Tibet-Norway
  - Incl. Bilateral agreements with
    - Tibet University and Tibetan Academy of Social Sciences
    - Nanjing University & Zhejiang University (WUN)

**Faculty or Departmental:**
- Taiyuan University of Sci. and Tech. (Dept. of Chemistry)
- Zhengzhou University, 1st Clinical Med. College (Medicine)
Forthcoming agreement with CAS
Sino-Norwegian Interdisciplinary Centre on Environmental Research (NICER)

• Bilateral agreement between CAS and UiO, based on common research interests with Faculty of Science, UiO
  – Initiation funded through CAS and the BILAT program of the Research council of Norway
  – Proposed run by CAS & CIENS
NICER

Vision:
To act as a catalyst, coordinator and mediator for research cooperation between China and Norway within the field of environmental science

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

• For the Chinese partners:
  – Constitute a formalised forum for cooperation with Norwegian environmental researchers, with potential to increase access to international research funding

• For the Norwegian partners:
  – Provide updated information on current environmental issues regarding:
    • policy initiatives
    • ongoing activities in the Chinese research communities
    • potential cooperation possibilities
  – Further development of well established interdisciplinary research networks

• Policy relevant research
  – Arrange workshops to convey research findings to policy advisors and policy makers
Participants
(to be completed)
Impetus

What does China seek - that Norwegians are especially good at?

- Harmonious and sustainable growth
  - Integrated environmental research on side effects of economic growth
    - > 30 years of lessons learned – successful results
  - Holistic approach
    - Multieffect studies
    - Modelling
    - From science to policy (effect based emission reduction strategy)
  - Last 16 years also in China
    - Opportunity of doing it right the first time around
Themes — Holistic perspective

- **Air pollution and its impacts**
  - Emission, transport and deposition of pollutants
  - Impact on natural and managed eco-systems
  - Human health effects

- **Science to Policy**
  - DPSIR
  - Sustainable resource management
  - Economic cost and welfare losses
  - Policy instruments

- **Cost-benefit analysis**
  - Synergies and trade-offs
  - Local and regional air pollution, and climate change mitigation
  - Linkages between economic and social development and environment

- **Environmental change**
  - Landscape ecology and biodiversity
  - Climate change
  - Issues of vulnerability and adaptative capacity

- **Water quality**
  - Cause - effect
  - Surface water
  - Soil water and ground water
  - Irrigation and drinking water
欢迎指导！

Thank You