



竺可桢—南森国际研究中心
Nansen-Zhu International Research Centre (NZC)

NZC.IAP.AC.CN

Nansen-Zhu International Research Centre: A joint collaboration between Norway and China

Director Prof. Sebastian H. Mernild

Co-Director Prof. Yongqi Gao





VISION

Pioneer understanding of the Earth system and science based innovation for society.

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ANNUAL REPORT

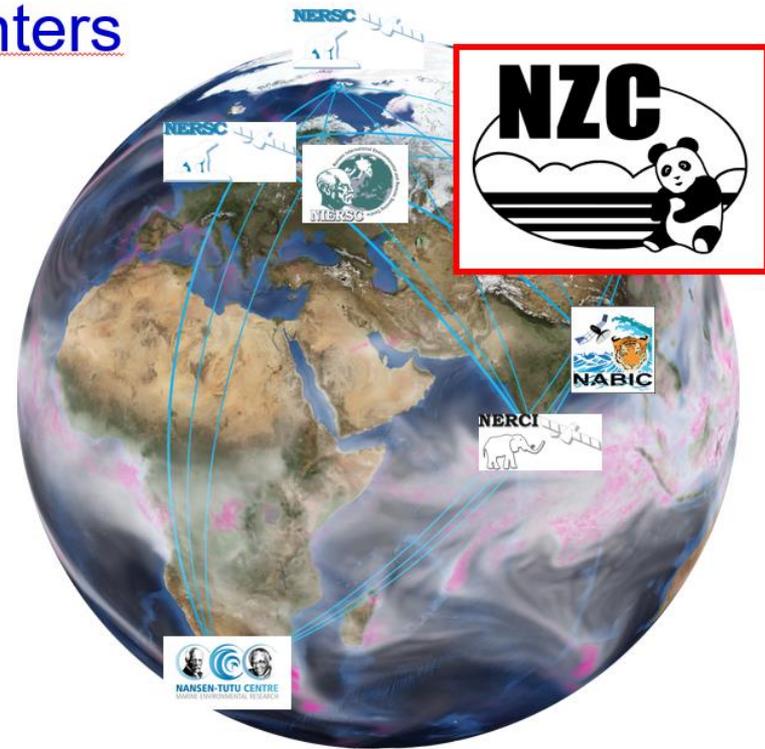
2018

NERSC
NANSEN ENVIRONMENTAL
AND REMOTE SENSING CENTER
THE NANSEN CENTER · BERGEN · NORWAY

The international Nansen Centers

- Nansen Environmental and Remote Sensing Center, Bergen, **Norway** 1986
- Nansen International Environmental and Remote Sensing Centre, St. Petersburg, **Russia** 1992
- Nansen Environmental Research Centre – India, Cochin, **India** 1998
- Nansen-Zhu International Research Centre, Beijing, **China** 2003
- Nansen Tutu Centre for Marine Environmental Research, Cape Town, **South Africa** 2010
- Nansen International Centre for Coastal Ocean and Climate Studies, Dhaka, **Bangladesh**, 2012

≈ 220 employees including 75 PhD students



30 YEARS IN SCIENCE

1986 - 2016



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Name

The Nansen-Zhu Centre is named in the honor and spirit of the distinguished scientists

Fridtjof Nansen and Kezhen Zhu

1888 – Doctor in Zoology at the University of Bergen

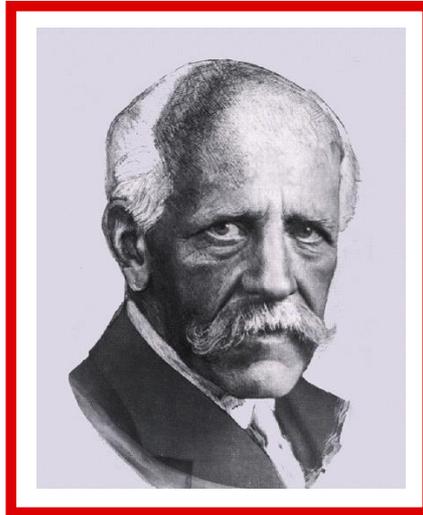
1888 – First to cross Greenland on ski

1893–96 – Sailed and skied across the Arctic Ocean

1897 – Professor in Oceanography at the University of Oslo

1919 – First High Commissioner for refugees

1922 – Awarded Nobel Peace Prize for humanitarian work



(1861–1930)



(1890–1974)

1918 – Doctor in Science at Harvard University

1929 – Director of Meteorology Institute in Academia Sinica

1948 – Academician of Academia Sinica

1949 – Vice-president of Chinese Academy of Sciences

Institute of Atmospheric Physics (IAP) Chinese Academy of Sciences (CAS) Beijing, China



MoU

Between IAP, NERSC, UiB (2001)

AGREEMENT OF CO-OPERATION FOR STUDIES OF PAST, PRESENT AND FUTURE CLIMATE

between

Institute of Atmospheric Physics,
Chinese Academy of Sciences (IAP-CAS), Beijing, China

Nansen Environmental and Remote Sensing Center (NERSC),
Bergen, Norway

and

University of Bergen (UoB), Bergen, Norway

A mutual agreement is made between the three partners: The Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing, China; the Nansen Environmental and Remote Sensing Center, Bergen, Norway; and the University of Bergen, Bergen, Norway.

The agreement is reached in order to develop co-operative efforts between the three institutions within research and education on climate, environmental and ecological issues of global and regional concern in accordance to the technical appendix to this agreement.

The Parties:

The Institute of Atmospheric Physics, Chinese Academy of Sciences (IAP-CAS)

The Institute of Atmospheric Physics was founded in 1928. The institute has a staff of approximately 180 scientists and hosts approximately 100 Ph.D. students. The institute performs studies in the fields of climate, weather, atmosphere dynamics and chemistry, remote sensing, natural disasters and environment.

The University of Bergen (UoB)

The University of Bergen was founded in 1946 and has through its 55 years developed seven faculties with approximately 100 institutes. The faculty of Natural

Approval

This agreement is signed in three originals one for each of the three parties.

For IAP-CAS,
Beijing, August 7, 2001



Prof. Huijun Wang
Director

For NERSC,
Bergen, August 7, 2001



Prof. Ola M. Johannessen
Director

For UoB,
Bergen, August 7, 2001



Prof. Kirsti Koch Christensen
Rector

Establishment



**Norwegian
Environmental
Minister**



**Director- General of
IAP and Director of
NZC**



**Formally opened
on Nov. 3, 2003**

Beijing, China

Partners, three on each side



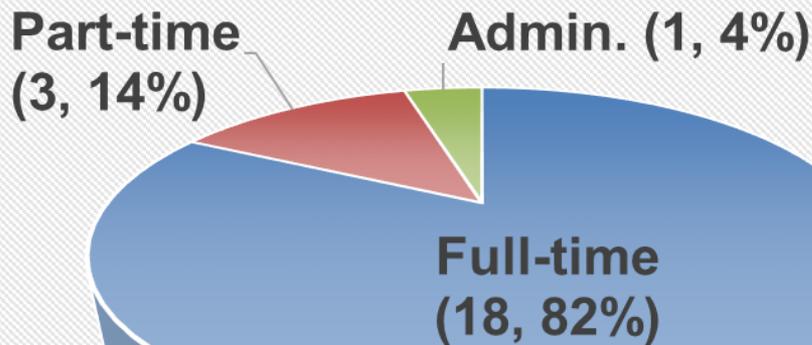
Vision

To be an internationally acknowledged climate research and training centre with emphasis on **tropical** and **high-latitude** regions, and the **interactions between these regions**, for past, present and future climate.

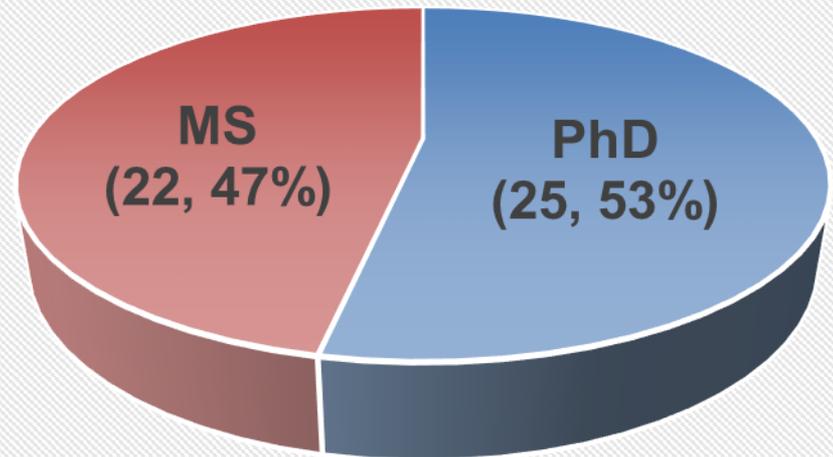


Staff and Student

Staff



Student



At the end of 2017, NZC has a total core staff of 22 persons and students of 47 persons.

Funding

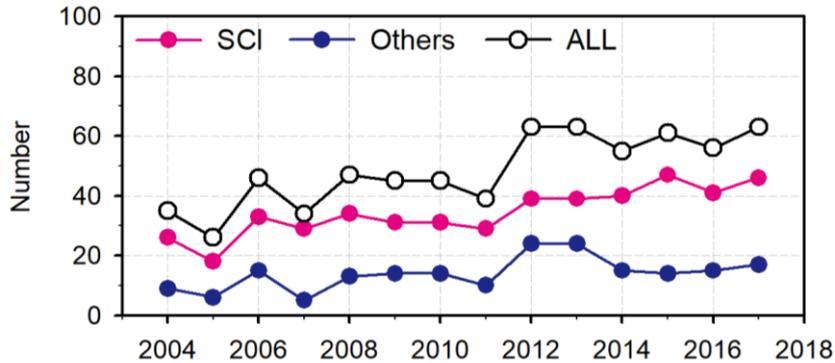
- ◆ **Projects from National Natural Science Foundation of China (NSFC)**
- ◆ **Projects from Ministry of Science and Technology of China (MOST)**
- ◆ **Projects from Chinese Academy of Sciences (CAS)**
- ◆ **Stable support from Norwegian partners in Bergen**
- ◆ **International Projects, European Commission (EU)**

Joint Projects

Name	Funding agency
Chinese-Norwegian partnership in climate teleconnection and prediction (CONNECTED) (2017–2020) (挪威国际教育合作中心资助的人员交流项目)	Norwegian Centre for International Cooperation in Education
Arctic cooperation between Norway, Russia, India, China and US in satellite Earth observation and Education (ARCONOR) (2017–2019) (北极观测及教育合作)	Research Council of Norway
Arctic Impact on Weather and Climate (Blue-Action) (2016–2021) (欧盟地平线2020项目)	European Commission
Integrated Arctic Observation System (INTAROS) (2016–2021) (北极综合观测系统)	European Commission
The potential of seasonal-to-decadal inter-regional linkages to advance climate predictions (InterDec) (2016–2020) (贝尔蒙特项目)	Belmont Forum/JPI
Arctic Climate Predictions : Pathways to Resilient, Sustainable Societies (ARCPATH) (2016–2020) (北欧研究理事会项目)	NordForsk
The changing Arctic Cryosphere : snow and sea ice impact on prediction and climate over Europe and Asia (SnowGlance) (2015–2018) (挪威研究理事会项目)	Research Council of Norway
Impact of Future Sea Ice and Snow Cover Changes on Climate, Green Growth and Society (GREENICE) (2014–2017) (北欧研究理事会项目)	NordForsk
Exploring decadal to century scale variability and changes in the East Asian climate during the last Millennium (DecCen) (2009–2012) (挪威研究理事会项目)	Research Council of Norway
Dragon in support of harmonizing European and Chinese marine monitoring for Environment and Security System (Dragoness) (2007–2010) (欧盟项目)	European Commission

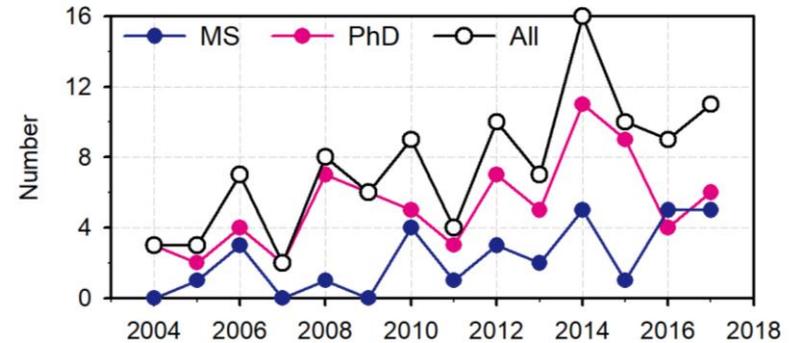
Nansen-Zhu Centre: Publications

End of 2018, NZC published a total papers of **760**, including SCI papers **550**



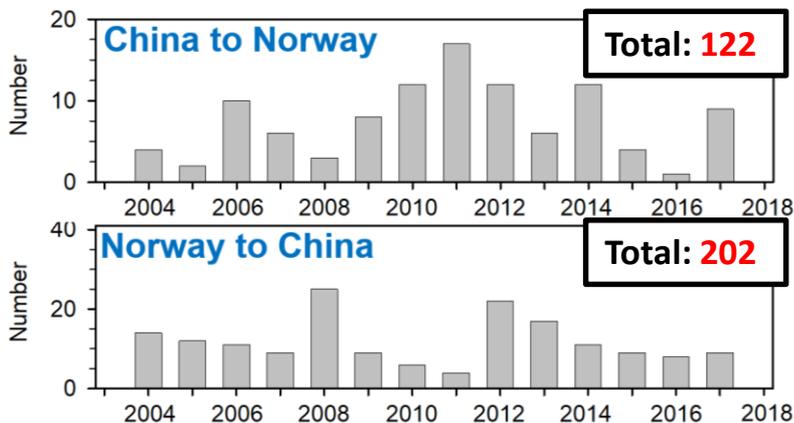
Nansen-Zhu Centre: Education and Training

End of 2018, a total of **79** PhD and **36** MS students defended their theses



Nansen-Zhu Centre: International Activities

Exchange scientists and graduate students between the founding partners.



NZC Summer School 2018

Summer schools every second year since 2004



Next Summer School #9 will be in Beijing in 2020

Bergen

International Activities

【NZC: 15-year collaboration ceremony】



Minister Ms. Iselin Nybø and Vice-president of CAS Mr. Yaping Zhang attended the 15-year colloquium of NZC, April 17, 2018

International Activities

[CAS President meeting in Bergen in 2018]

“NZC is an excellent model of collaboration research between China and Norway”



Arctic joint research platform between China and Norway

RESEARCH

Our priorities are aligned with national and international research strategies and development programs, combining Earth system science, innovation and services.

EARTH
SYSTEM
SCIENCE

INNOVATION

SERVICES

Collaborations locally and with China, NZC



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Thank you...
...questions!

**Nansen-Zhu International
Research Centre:**

**A joint collaboration between
Norway and China**

