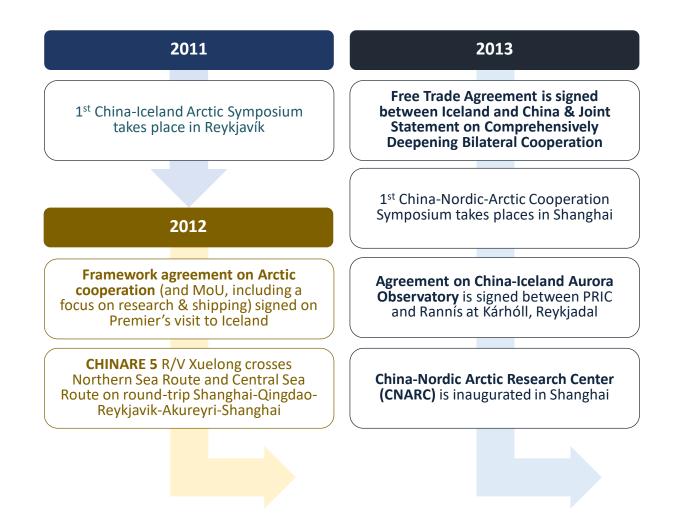
China-Iceland Arctic research cooperation

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14.10.22 Arctic Circle Assembly

Background: China-Iceland Arctic Cooperation With between SOA and MFA of Iceland in April 2012











The China-Nordic Arctic Research Center (CNARC)

The China-Nordic Research Center (CNARC) was established in Shanghai on 10th December 2013 by ten Member Institutes, four Chinese and six Nordic, which all have capacities to influence and coordinate Arctic research

Purpose

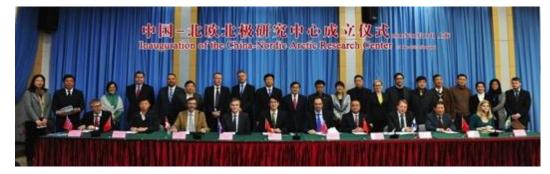
To increase awareness, understanding and knowledge of the Arctic and its global impacts
To promote cooperation for sustainable development of the Nordic Arctic and coherent development of China in a global context

Activities

- China-Nordic Arctic Cooperation Symposium
- CNARC Fellowship / Internship Program
- Information sharing and cultural exchange in Arctic context
- Joint Research Projects

Research Themes

- Arctic climate change and its impacts
- Arctic resources, shipping and economic cooperation
- Arctic policy and legal studies



CNARC member institutes

- Nordic
- Arctic Center, University of Lapland (Finland)
- Fridtjof Nansen Institute (Norway)
- Icelandic Centre for Research
- Nordic Institute of Asian Studies (Denmark)
- Norwegian Polar Institute
- Swedish Polar Research Secretariat
- Arctic University of Norway, UiT (Norway-2016)
- University of Akureyri (Iceland 2017)
- Umea University (Sweden 2017 with SPRS)
- Nord University (Norway 2018)
- -China
- Polar Research Institute of China (secretariat)
- Shanghai Institutes for International Studies
- Tongji University
- Ocean University of China
- Shanghai Jiao Tong University (2014)
- Dalian Maritime University (2016)
- Shanghai Ocean University (2018)
- South China Business College (2018)



China-Iceland Arctic Science Observatory (CIAO)

CIAO

The CIAO is established under an agreement between the Icelandic Centre for Research (Rannis) and the Polar Research Institute of China (PRIC) as a platform for Arctic research cooperation between Icelandic and Chinese research institutions. Participation by scientists from other nations is encouraged. CIAO is a 760 m2 research building at Karhóll in the North of Iceland.

Aim

The scientific emphasis will be on, but not limited to: the understanding on solar-terrestrial interaction and space weather by conducting polar upper atmosphere observations such as auroras and geomagnetic field variations; climatology; glaciology; oceanography; biology; ecology; and other related fields of science.



CIAO's inauguration in October 2018

CIAO Partners (ICE-PRC)

- The Icelandic Centre for Research

Science Institute of the University of Iceland, The Icelandic Meteorological Office, The Marine and Freshwater Research Institute, The University of Akureyri, The Icelandic Arctic Cooperation Network, Arctic Portal

- Polar Research Institute of China

National Space Science Center, Chinese Academy of Sciences (CAS); Institute of Geology and Geophysics, CAS; China Research Institute of Radio Wave Propagation; National Center for Space Weather; Institute of Space Physics and Applied Technology, Peking University; School of Electronic Information, Wuhan University; School of Earth and Space Science, University of Science and Technology of China; School of Space Science and Physics, Shandong University



CIAO's first Aurora measurements were conducted in October 2013



Future Vision and International cooperation

- Excellent infrastructure for Arctic research in the North of Iceland, built on China-Iceland Arctic cooperation but has potential to strengthen international Arctic research collaboration
- Large project that takes time to build up but the CIAO station at Kárhóll in an excellent venue to conduct research and provide education, and disseminate material, on solar-terrestrial interaction, space weather, upper atmosphere observations and other Arctic research fields
- International cooperation will be crucial for both CNARC's and CIAO's development. The CIAO station has been part of the H2020 Interact project and.
- The equipment and working conditions at CIAO are excellent and a guest center at CIAO could furthermore develop into a popular tourist and educational center, as well as hosting international events with a focus on Arctic affairs. Open towards international cooperation.



Thank you