National Report of China

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(SKLCS/CAS and CAMS/CMA)

2-5 Feb, 2016. Salekhard, Russian Federal
High Asia CryoNet
(here China only)
Cryosphere stations and sites that operated by China

- 6 integrated stations
- 17 cryosphere stations
- 20 summer sites

Cryosphere + others
Recent progress: examples

1. Permafrost observation
Recent progress: examples

1. Permafrost observation

- **drilling**
- **cores**
- **Ground temp**
- **Radar meas.**
- **Radar-EKKO**
- **GDP**

科技基础性工作专项——青藏高原多年冻土本底调查(2008FY110200)
《Permafrost Survey Manual》
Published by Science Press in China

New version of Frozen Ground Map
Mapping soil types

Mapping vegetation types
Recent progress: examples

2. Tanggula Cryosphere Observation System

Location of the in situ observations of TaCOS
Facility build in recent years

5000W power supply

precipitation gauge intercomparison

Evaporation obs.

Hydrological obs.
Mass balance stake network
Hydro-meteorological measurements of TaCOS
Overall catchment
Recent progress: examples

3. Yulong Glacier and Environment Observation System

Distribution of observational systems of Mt. YuLong Glacial and Environment Observation station

Heilongtan
Suhe Observation Spot
Yanggong river Observation Spot
Baishui river Observation Spot

4800 m
4300 m
The 3rd Tibetan Plateau Atmospheric Experiment (2013-2020)

Cryosphere and multi-sphere interactions contribute to the better understanding of the Third Pole