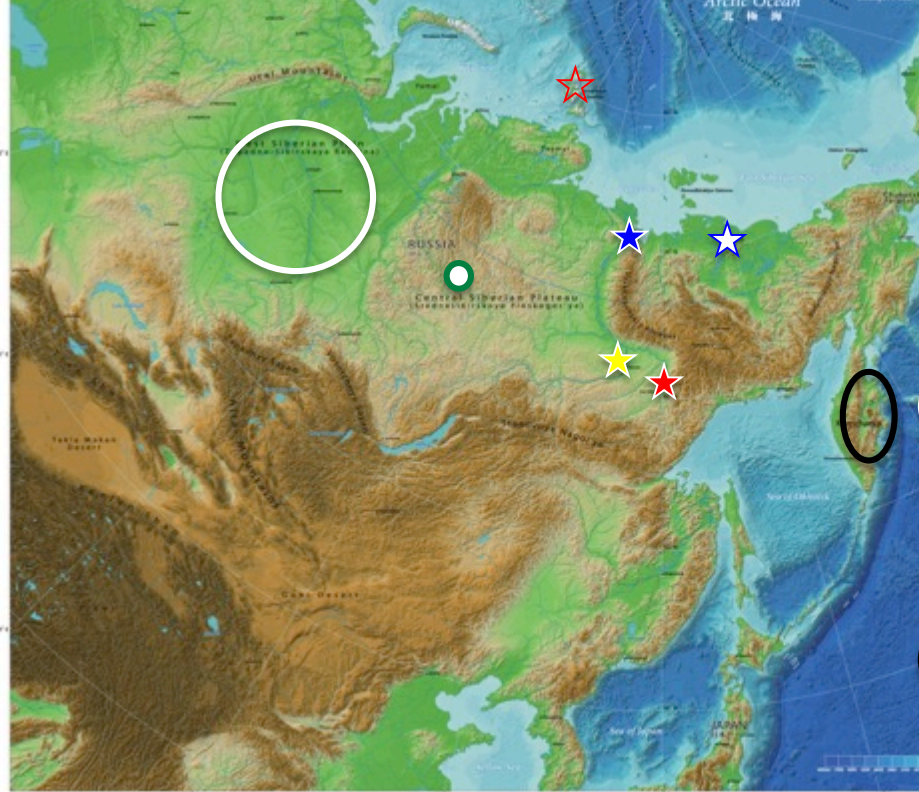
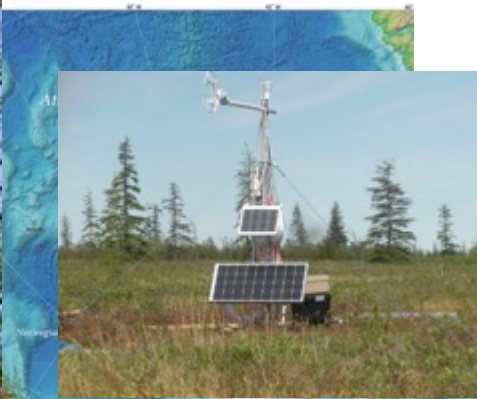


ISIRA National Report Japan 2017

Field observations

- ★ Tiksi (1997~): GRENE, Land Surface Observation (NIPR, JAMSTEC, etc with MPI)
- ☆ Chokurdakh (2009~): COPERA, GRENE (Hokkaido Univ with IBPC)
- ★ Yakutsk (1997~): COPERA, GRENE, ArCS, Land Surface Observation, (Nagoya Univ, Hokkaido Univ, JAMSTEC)
Joint center (NEFU & Yakut Scientific center)
(under planning)
- ★ Ust'Maya (2009~): GRENE, ArCS, (Nagoya Univ, RIHN with IBPC)
- Tura (1994~): Forest dynamics (FFPRI, Kyoto Univ with Sukachev Institute of Forest)
- YK, Surgut, Novosibirsk (1993~): Aircraft Obs for GHG
- Western Siberia (2001~): JR station 8 sites tower GHG obs
(NIER with Institute of Atmospheric Optics, MPI, Institute of Microbiology)
- Far East, Kamchatka : Geodynamics and Eruption dynamics obs (Hokkaido Univ with Geophysical Survey etc)
- ★ Cape Baranova (under planning)



National Report for ISIRA

(International Science Initiative in the Russian Arctic)

<Meetings>

- Cooperation on Arctic Research between Japan and Russia (Mar 20-21, 2017)
- 25th anniversary symposium for Russian-Japanese collaborative research on global change studies (Nov 1-3, 2016)
- Japan-Russia young researchers exchange program (Oct 11-13, 2016)

<Joint research projects>

- Aircraft Monitoring by NIES (1993~)
- Geodynamics in Russian Far East (1994~) by Hokkaido Univ
- Study on the forest dynamics in Siberian Taiga (1994~) Sukachev Inst Forest, FFPRI
- Land Surface Observation of Heat/Water/Vegetation Conditions in Yakutia at Tiksi and Yakutsk (2000~2016) by JAMSTEC
- JR-STATION (2001~) by NIES, Inst Atmospheric Optics, Inst Microbiology
- Monitoring Survey of Terrestrial Wildlife in Arctic and Subarctic Siberia (2009~) by Hokkaido Univ, Inst Biological Problems of Cryolithozone
- Eruption dynamics of Klyuchevskoy volcano (2010~) by Hokkaido Univ, Inst Volcanology and Seismology

- Russia's final energy frontier – Sustainability challenges of the Russian Far North (2014~2016) by Hokkaido Univ
- Impacts of evapotranspiration and photosynthesis in forests under the waterlogging conditions in the Lena river watershed, Eastern Siberia (2014~2017) by Nagoya Univ, Inst Biological Problems of Cryolithozone
- Monitoring Data Archiving and Researchers Networking Project (Biodiversity Sub-project, ArCS Project) (2015~2019) by Hokkaido Univ, IBPC
- C budget of ecosystems and cities and villages on permafrost in eastern Russian Arctic (Belmont Forum COPERA) (2015~2019) by Hokkaido University, NorthEastern Federal University, IBPC

<Other activities: infrastructure & educational>

- Atmospheric Environment and Sea Ice **at Baranova** (2017~) by NIPR
- Energy/Water/Carbon Observation **at Yakutsk** (2017~) by NIPR
- **Joint Research Laboratory** (2016~) by Hokkaido Univ, North-Eastern Federal Univ
- RJE3 project (2014~) by Hokkaido Univ, NEFU, FEFU, Irkutsk, Pacific National, Sakhalin Univ
- Joint Master Course Program (2017~) by NEFU, Hokkaido Univ