

2011 Arctic Ocean Cruise



March 31, 2011

Photo courtesy Y.N. Kim

Arctic Ocean Cruise 2010



ARA01B Scientific Cruise (July 16~August 14, 2010)



Arctic Ocean Cruise 2010

- Purpose:

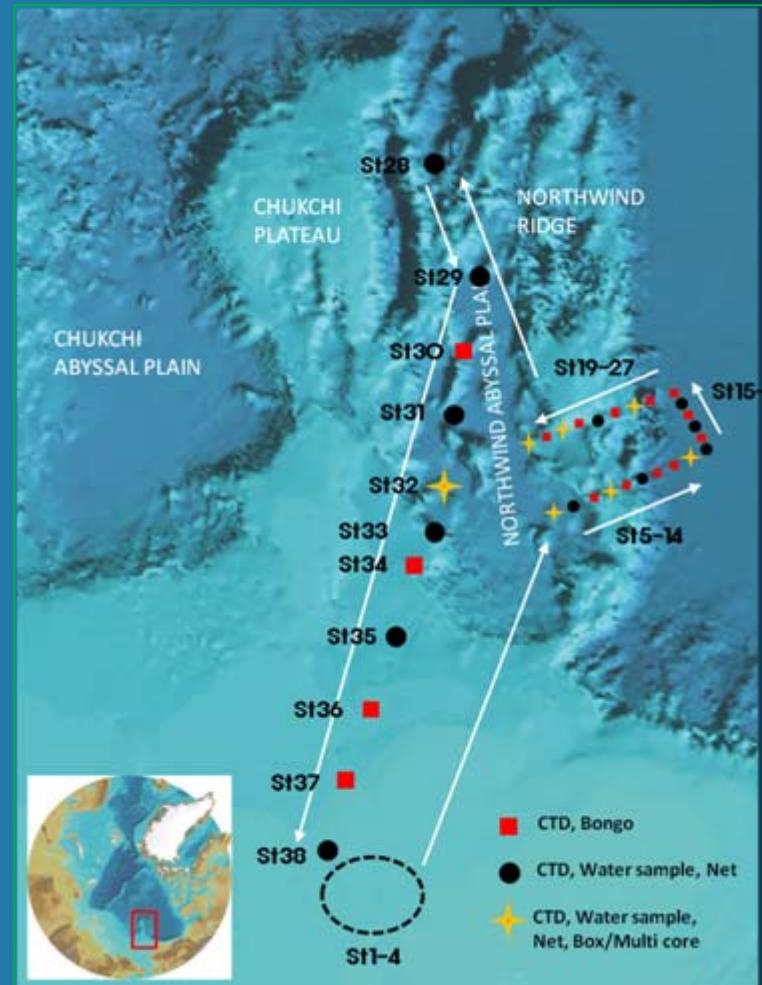
- To monitor marine ecosystem responding to ongoing environmental changes in the western Arctic Ocean

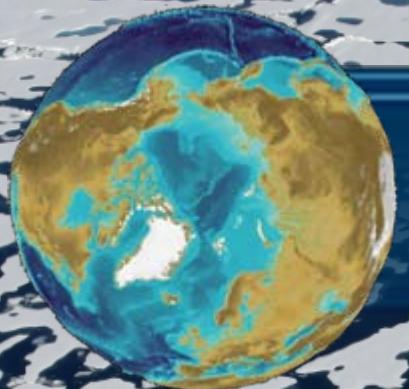
- Period: 2010. 07.17 ~ 08.12 (Nome to Nome)

- Participants: 45

- Research fields:

- Hydrography and water mass
- Biogeochemical cycles of bio-gas
- Microbial diversity & community structure
- Diversity and biogeography of diatoms
- Phytoplankton ecology & physiology
- Protozoan community structure and grazing rate
- Trophic role of zooplankton
- Glacial history & paleoceanographic changes

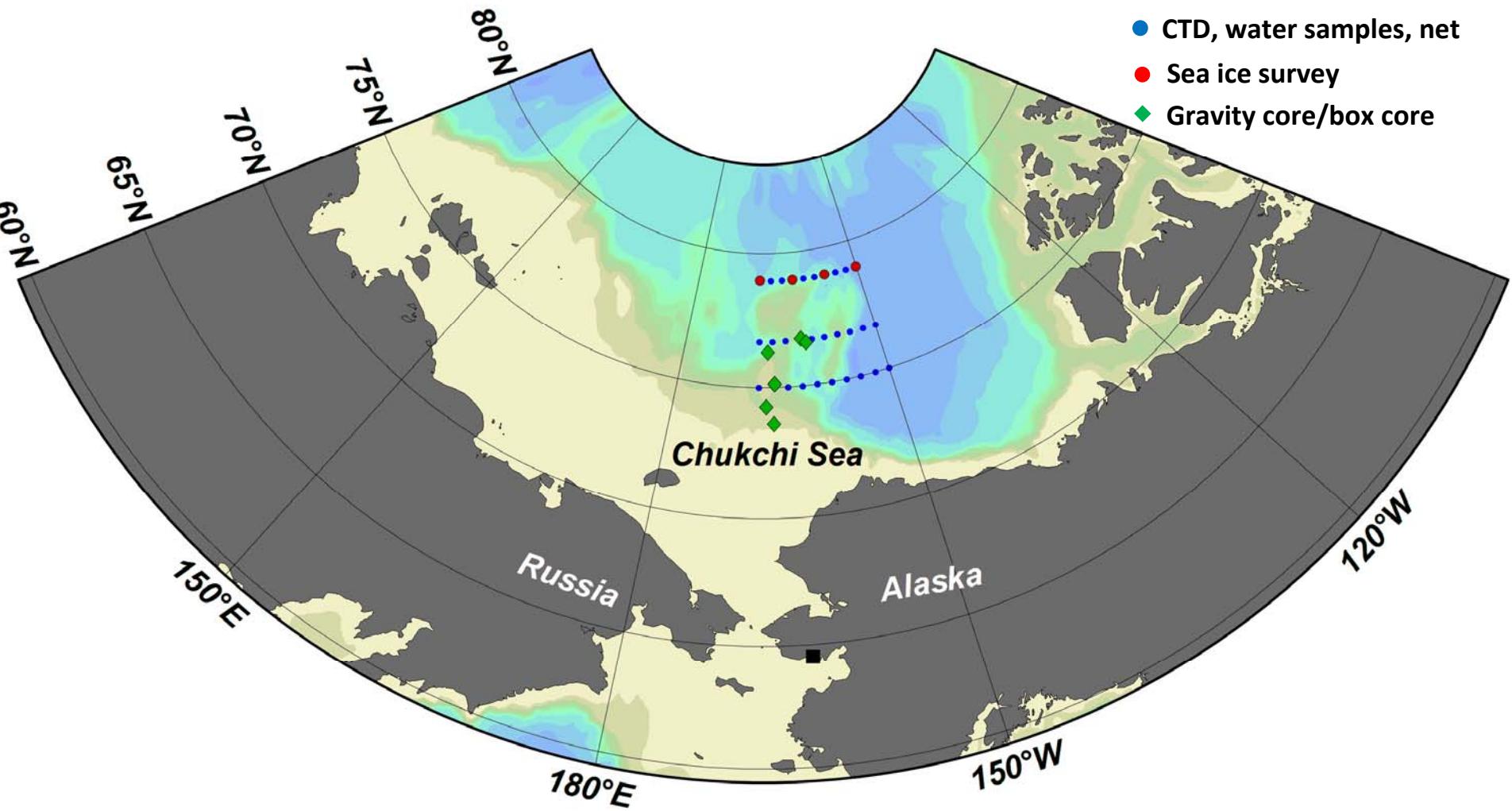




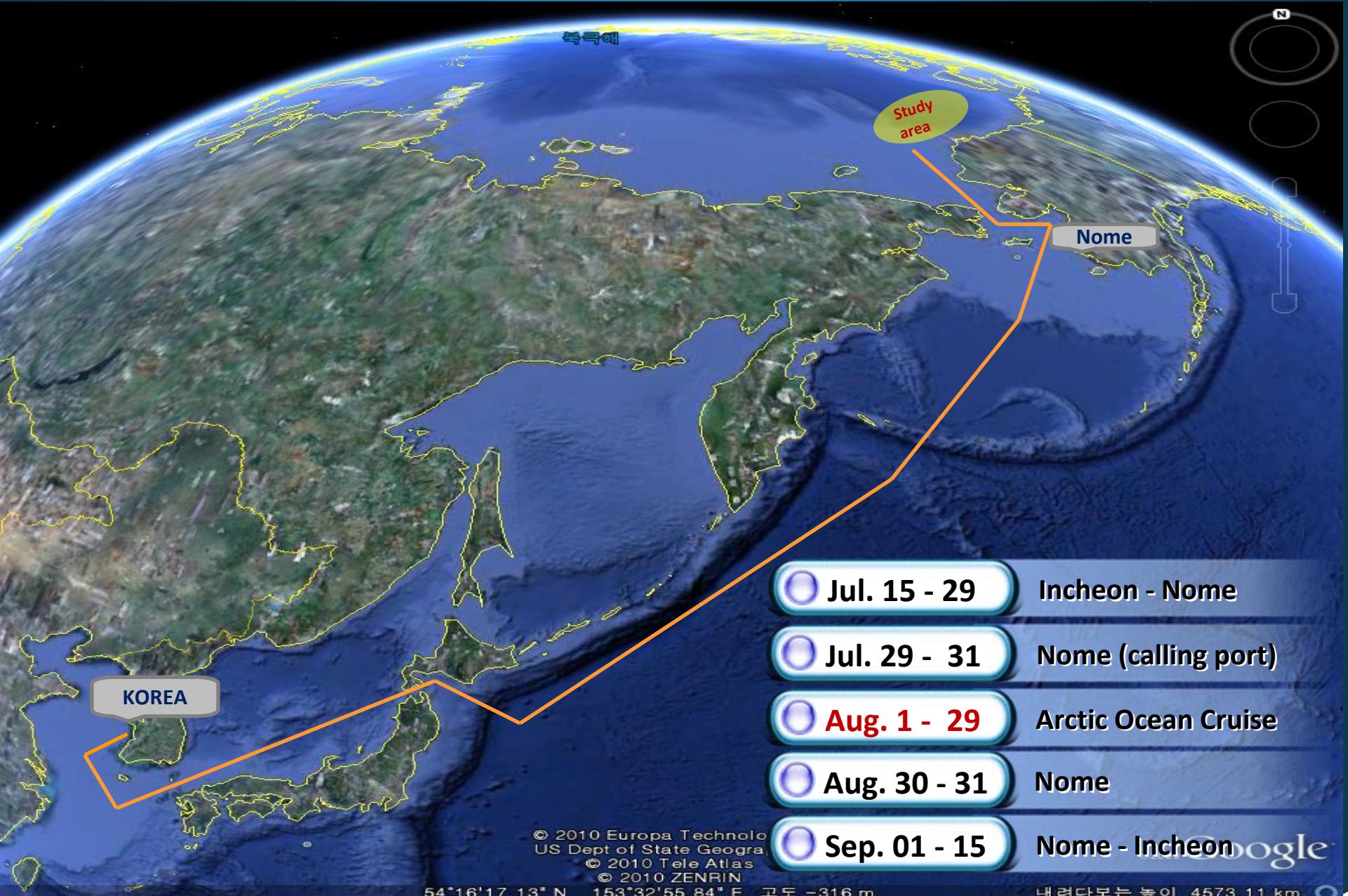
2011 Planed Works (tentative)

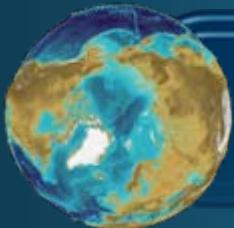


Study Area (tentative)



ARAON Cruise Track





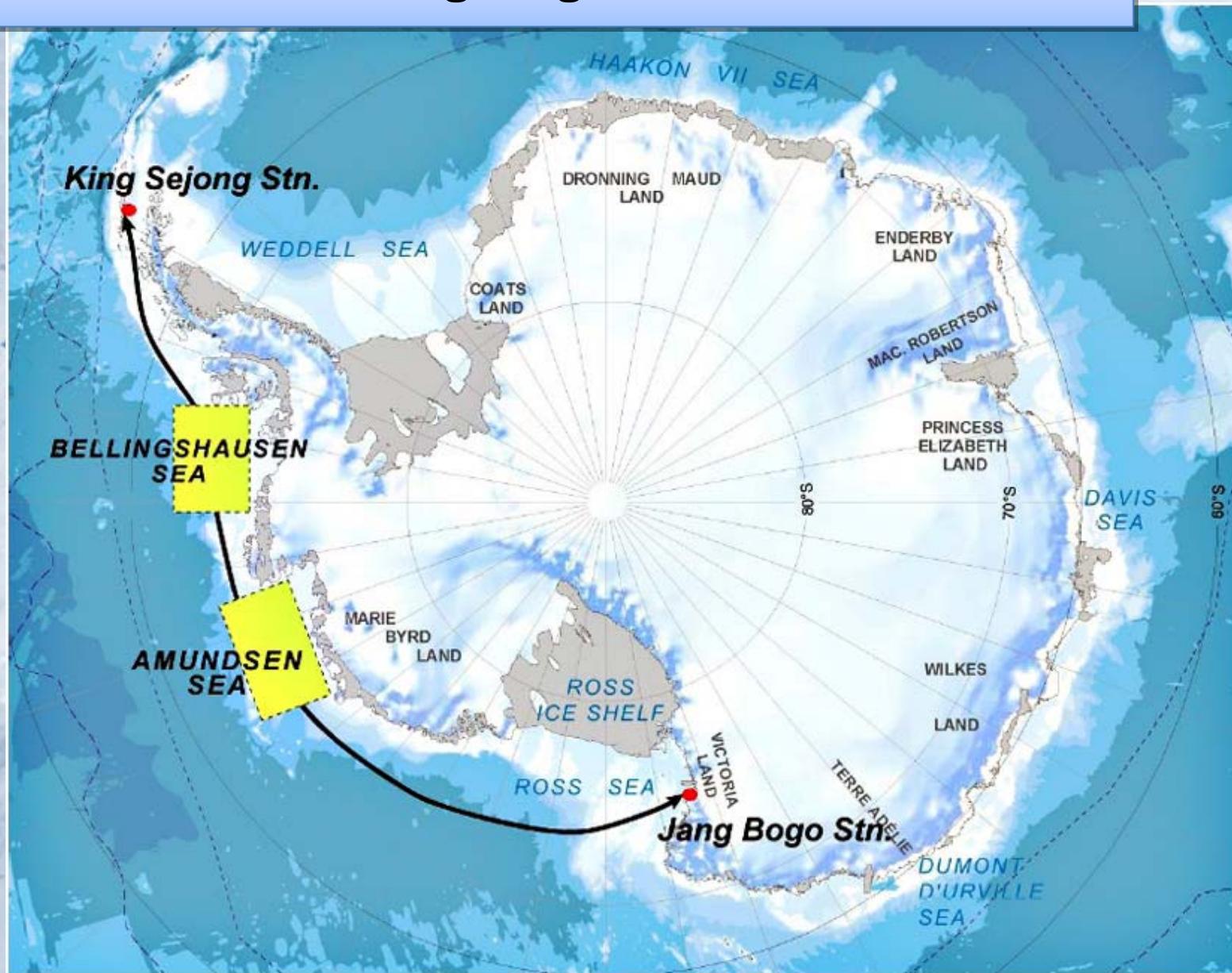
2012 Plan (To be determined within 2~3 months)

- Korea Arctic Ocean Project is one of national R & D, which is sponsored by Ministry of Land Transport and Maritime Affairs
- This project will reorganize to develop and expand our scientific research activities and international collaboration by our government

Jang Bogo Second Antarctic Research Station



The Location of Jang Bogo Antarctic Station



Thank You



Photo by
KOPRI