Arctic Science and Technology international Cooperation Seminar

December 11th 2019, 09:00-12:15, Arctic Partnership Week, Busan, Republic of Korea

The importance of high quality, relevant scientific research in the Arctic has become greater than ever before, in order to decode and best respond to the rapid changes occurring in the region. Science partnership and leadership are critical among those within and beyond the geographic border of the Arctic, as the entire phenomenon is an interactive process that transcends said border. Collaboration in Arctic science and technology between Korea and Nordic countries, in this sense, is not only worthwhile but carries great prospects and is destined to set an example for other disciplines to follow. With this in mind, this session is particularly meaningful as we celebrate the 60th anniversary of Korea-Norway and Korea-Denmark diplomatic relations. Here, we invite prominent scientists from each country and discuss the scope for future cooperation.

- Theme: “Frontiers in Arctic Science: New Technology and Research Forefronts”

- Date and Time: 09:00-12:15, 11 December 2019 (Wed)

- Venue: Rm 321-323, 3F, BEXCO Exhibition Center Ⅱ

- Co-Organized by: Korea Polar Research Institute (KOPRI), Royal Norwegian Embassy in Seoul, and Innovation Centre Denmark Seoul/Embassy of Denmark

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| **Time** | | **Program** | **Remark** |
| 09:00-09:30 | `30 | Registration |  |
| 09:30-09:45 | `15 | **◦Opening**  - Welcome remarks by Dr. Ho-il Yoon, President, KOPRI  - Congratulatory remarks by  H.E. Mr. Frode Solberg, Norwegian Ambassador to Republic of Korea (TBC);  H.E. Mr. Einar Jensen, Danish Ambassador to Republic of Korea (TBC) | - |
| 09:45-11:15 | `90 | **◦ Presentation** |  |
| **-**- - - Science in the Northernmost Greenland: Multidisciplinary Approach and Future Collaboration | Tae-Yoon Park (Senior Research Scientist, KOPRI) |
| **-**- - - Quantifying General Circulation Model Simulation Deficits of the Large-Scale Hydrological Cycle using Spatial and Temporal Water Isotope Observations | Hans Christian Steen-Larsen (Researcher, BCCR) |
| **-**- - - Remote Sensing-Based Research on Arctic Changes (TBC) | TBC (NERSC) |
| **-**- - The High Arctic Microbiome and Its Implications for Global Change | Carsten Suhr Jacobsen (Professor, Aarhus University) |
| **-**- - - Arctic Research Using Space-Based and Unmanned Systems | Michael Linden-Vørnle (Head, Drone Center, DTU Space) |
| **-** |  |
| 11:15-11:30 | `15 | ◦ Coffee Break |  |
| 11:30-12:10 | `40 | ◦ Discussion |  |
| 12:10-12:14 | `5 | ◦ Closing |  |

BCCR, Bjerkness Centre for Climate Research

NERSC; Nansen Environmental and Remote Sensing Centre

DTU Space; National Space Institute at the Technical University of Denmark