



## Academic Cooperation in the Arctic: Russian-Korean Perspective

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# Russia and Korea R&D fields of mutual interest

### **GLOBALLY**

- Digital and ICT
   Technologies, Intellectual
   Systems
- Healthcare including biomedical and genome technology
- Nano-Material Technology
- Nuclear Energy
- New and Creative Materials
- Space Technology

#### **ARCTIC**

- Technologies of Offshore Mineral Resources Development
- Development of navigation, hydrographic and hydrometeorological support for the organization of regular navigation along the Northern Sea Route
- Forecast and assessment of the consequences of global climate change in the Arctic
- Monitoring of environment as well as atmosphere, ocean and sea ice processes through hydro meteorological observations and satellite remote sensing



# Formats of Russian-Korean Academic Cooperation in the Arctic



UNIVERSITY OF THE ARCTIC



Rectors' Forum «DIALOGUE RUSSIA – REPUBLIC OF KOREA»



KOREAN-RUSSIAN SCIENCE AND TECHNOLOGY CENTRE



BILATERAL PARTNERSHIP



## **UNIVERSITY OF THE ARCTIC**

#### **VISION**

An Empowered North – With Shared Voices

More than 180 institutions from Arctic and Non-Arctic countries

Members from Russia: 50
Members from Korea: 2

✓ Korean Maritime Institute

√ Korean Polar Research Institute



#### **MISSION**

Empower the people of the Circumpolar North by providing unique educational and research opportunities through collaboration within a powerful network of members

#### **GOALS 2020**

- ✓ Educational Access for Northern Students
- ✓ Research Representation in the North
- Expanding Knowledge of the North
- ✓ Engaged Membership Network



## **UNIVERSITY OF THE ARCTIC**



## **Annual Summer School «Korea Arctic Academy»**

for Master's and PhD students at Korean Maritime Institute



**29 March, 2017, NArFU** – roundtable discussion "Arctic as a New Vector for Cooperation between Russia and the Republic of Korea" in the framework of the International Forum "Arctic: Territory of Dialogue" (Korean participants: Korean Maritime Institute, Korea Polar Research Institute, Korean Ministry of Foreign Affairs, Korean Embassy)

UArctic Congress 2018 (September 3 – 7, Oulu & Helsinki, Finland)





# Rectors' Forum «Dialogue Russia – Republic of Korea»

November, 2016 – IV Forum hosted by NArFU "Strengthening the Links between Russian and Korean Universities in Education and Technology"

- Russian-Korean Inter-University Cooperation
- Shipbuilding and Joint Exploration of the Northern Sea Route
- Venture Companies and Start-ups in Cooperation with Universities















# Korean-Russian Science and Technology Centre / KORUSTEC

# 1<sup>st</sup> Korea-Russia Workshop on Arctic Research

**DATE:** 17-18 April, 2018

**VENUE:** Northern Arctic Federal University

KOREAN PARTICIPANTS: KORUSTEC, Korea Polar

Research Institute, Chung-Ang University, Korea Polar Research Institute, Konkuk University, Korea Institute of Geoscience and Mineral Resources, Sookmyung Women's University, Embassy of the Republic of Korea

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#### **TOPICS ADDRESSED:**

- ✓ Biodiversity research in the Arctic
- ✓ Energy research in the Arctic

















## **Resource of Networking**

# National Arctic Research and Educational Consortium (NAREC)

http://arctic-union.ru

Established: 6th June, 2016

**Initiator / Coordinator: NArFU** 

NAREC is an association of universities, research institutes and other organizations working in the field of staff training for the Arctic Zone of the Russian Federation, Arctic research and economic and business activities in the Arctic territories.

Participants: 33 organizations including universities, scientific organizations and institutions operating in the Arctic Zone of the Russian Federation











## **NAREC Activities**

- Cooperation among Russian scientists (research networks)
- Analysis of staffing needs for the Russian Arctic
- All-Russian competition of student scientific works
- Developing criteria and educational standards for Arctic related programs <a href="http://arctic-union.ru/napravleniya/kriterii">http://arctic-union.ru/napravleniya/kriterii</a>
- Database of research stations in the Russian Arctic
- Database of researchers, publications, projects and research infrastructure in the Arctic <a href="http://arctic-union.ru/napravleniya/">http://arctic-union.ru/napravleniya/</a>
- Information about Arctic events <a href="http://arctic-union.ru/nauchnye-meropriyatiya/">http://arctic-union.ru/nauchnye-meropriyatiya/</a>







## **Bilateral Cooperation**

## **NArFU** agreements with Korean partners:

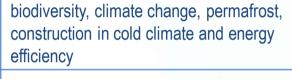


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**KOOKMIN UNIVERSITY** 

engineering, natural sciences, forestry, humanities



HANKUK UNIVERSITY OF FOREIGN LANGUAGES

foreign languages teaching, multicultural communication



SEOUL CYBER UNIVERSITY

digitalization, e-learning



**SUNGKYUNKWAN UNIVERSITY** 

engineering, IT, technical sciences



CHUNGBUK NATIONAL UNIVERSITY

engineering, technologies





## INTERNATIONAL ARCTIC FORUM

ARKHANGELSK • RUSSIA • 2017













#### **WELCOME TO:**

March, 2019, NArFU - International Forum "Arctic: Territory of Dialogue"

2020, NArFU – Congress of the International Arctic Social Sciences Association (IASSA)









## International PhD School Russia in the Arctic Dialogue

Side event of the International Forum "Arctic: the territory of dialogue" Programme:

- International cooperation in the Arctic
- Arctic Law
- Northern Governance and Economies
- Human adaptation in the Arctic environment
- Life of the local communities
- Arctic as an art object

**Forms**: lectures, presentations, interactive sessions, debates, cultural and site visits.

**Keynote lecturers:** High officials and speakers of the Forum

**Credits:** 3 ECTS

**Dates:** late March – early April

**Duration:** 1 week

Application deadline: October, 30th, 2018



## www.narfu.ru