

International Center for Resource and Education on Mineral and Energy Resources (ICREMER)

Based in Akita City, Japan

International contribution to resource field

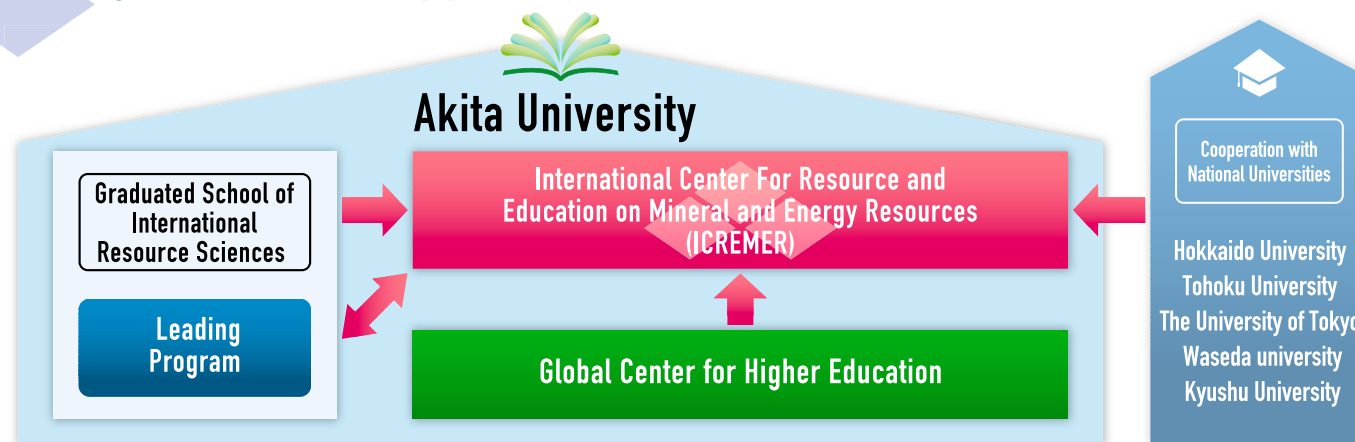
Playing an important role in resource policy

International human resources development

Strategy



Organizational support system



Philosophy of the center

- To enhance research capacity and support human resource development of for resource-rich countries through organizing educational programs in universities and research institutes.
- To promote practical abilities in graduate-level education by inviting graduate students and researchers from resource-rich countries to participate in lectures, fieldwork and laboratory training at resource-related sites in Akita Prefecture.
- To conduct world-class education and research in resource science using English as a medium of instruction.
- To conduct advanced resource science researches in collaboration with the Akita University Faculty of International Resource Sciences, Graduate School of International Resource Sciences, Leading Program as well as with other universities and research institutes in Japan and overseas.
- To promote education and research activities in collaboration with Akita Prefecture and private companies to contribute to the utilization and development of domestic resources.

Access

From Tokyo

Plane

Haneda Airport ← 1 hr. 5 min. → Akita Airport

● Airport Limousine Bus from Akita Airport to Akita Station

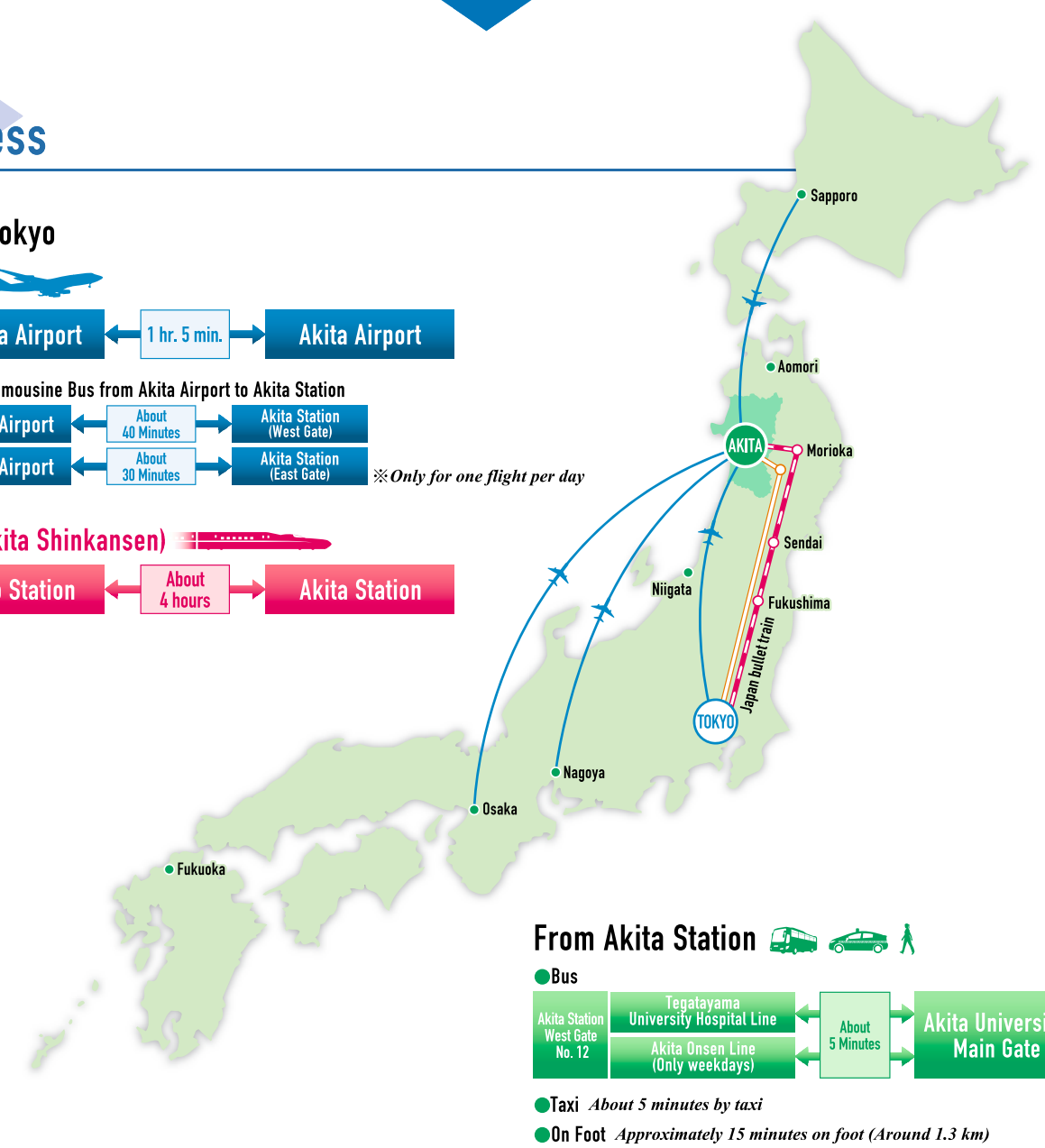
Akita Airport ← About 40 Minutes → Akita Station (West Gate)

Akita Airport ← About 30 Minutes → Akita Station (East Gate)

※ Only for one flight per day

Train (Akita Shinkansen)

Tokyo Station ← About 4 hours → Akita Station



From Akita Station

● Bus



● Taxi About 5 minutes by taxi

● On Foot Approximately 15 minutes on foot (Around 1.3 km)

Introduction of new faculty members

Saeid Mohammadzadeh Bina (Associate Professor)

My name is Saeid and I am originally from Iran. I graduated in energy engineering from Akita University. From late 2019, I have joined ICREMER as an Assistant Professor. I am researching about renewable energy systems modeling.



Manalo Pearlyn Cabarubias (Associate Professor)

I am Pearlyn Manalo, an Assistant Professor of the Faculty of International Resource Sciences and ICREMER, Akita University. My research interests include deciphering how the different elements like gold, silver, copper, travel through the different parts of the Earth and how they form ore deposits.



Akita University, The International Center for Resource and Education on Mineral and Energy Resources (ICREMER)

1-1 Tegatagakuen-machi, Akita City 010-8502 TEL: 018-889-2810 FAX: 018-889-3012
E-mail: sigen@jimu.akita-u.ac.jp URL: <https://www.akita-u.ac.jp/icremet/>



ICREMER

International Center for Research and Education on Mineral and Energy Resources, Akita University

国際資源学教育研究センター



Akita University

Greetings from Director of ICREMER

International Center for Resource and Education on Mineral and Energy Resources (ICREMER)

Shigemi Naganawa (Director)



The International Center for Research and Education on Mineral and Energy Resources (ICREMER) of Akita University was founded in October 2009 with the objective of striving to further the promotion of international exchange and global contributions through the international network of human resources, alongside developing high-level human resources with an international perspective, improving national security, and establishing stable supply in the field of mineral and energy resources. ICREMER began its mission through academic exchanges and contributions to human resource development with various universities in resource-rich countries such as Botswana, Mongolia, and Kazakhstan, who are abundant with unevenly distributed mineral resources such as rare metals. ICREMER has now expanded the scope of its activities on a global scale by also establishing and strengthening cooperation with Southern Africa and Southeast Asian countries, and Western countries such as Australia, Canada, Germany, and Sweden.

Having reached the 10th anniversary of ICREMER's establishment in 2019, to further strengthen its activities and actively return the outcomes of our education and research to society, we are tirelessly working to expand research and education in the fields of energy resources such as oil, gas, and geothermal; to develop study to the fields of renewable energy and environmental issues for the construction of a sustainable society; and to generate innovation by integrating IoT-AI technologies and resource sciences.

ICREMER capitalizes on the strengths of Akita University, which has maintained a leading role in the field of resource sciences in Japan since the foundation of Akita Mining College, the predecessor of Akita University over 100 years ago. Under the conception and aim to create a national center for research and education on mineral and energy resources, ICREMER began collaboration with the faculty of International Resource Sciences newly-established in 2014, and continues to take on the challenge of obtaining and maintaining its status as a notable national and international center for joint researches in the field of resource sciences.

Partnership with overseas universities (24 Universities in 20 Countries)



Activities

Short Stay Program

since
2011

This is a short-term training program for the students from overseas partner universities to develop human resources in sustainable resource development and utilization.

◆Until 2019



Participants

2019 : 18 students(8 countries) 2020 : 16 students (7 countries)

For more details>>



◆2020 (Online due to pandemic Coronavirus)



Annual International Symposium

since
2011

Is being held annually in order to promote academic exchange in resource sciences, to introduce the latest efforts and research results of the center, etc.

◆Until 2019



Participants

2019 : 100 participants(8 countries) 2020 : 100 students (12 countries)

For more details>>



◆2020 (Online due to pandemic Coronavirus)



Other activities

Joint research with overseas partner universities, special lectures at partner universities, field surveys, sponsorship of academic conferences, support for domestic student education, etc.

Introduction of faculty members (As of Feb. 2021)

Research field

Drilling engineering
Petroleum Engineering
Geothermal Engineering



Shigemi Naganawa (Professor)

Research field

Resource Development
Disaster informatics
World heritage



Youhei Kawamura (Professor)

Research field

Resource Refining Engineering
Energy Resource Science



Masahiko Bessho (Associate Professor)

Research field

Resource Separation Engineering
Recycling Engineering



Kazutoshi Haga (Associate Professor)

Research field

Renewable Energy
Geothermal Energy
Geothermal Heat Pump



NEW
MEMBER

Saeid Mohammadzadeh Bina (Associate Professor)

Research field

Economic Geology
Geochemistry
Mineralogy



NEW
MEMBER

Manato Pearlyn Cabarubias (Associate Professor)