

Distinguished Education and Research

Leading Doctorate Degree Program: New Frontier Leading Program for Rare-metal and Resources (Period of implementation: Adopted 2012 –2018)

The Graduate School of International Resource Sciences has established a Specialized Education Course, “New Frontier Leaders on Resources”.environmental conservation and resource literacy, This program fosters the knowledge and skills required for cultural understanding and international relations with the aim to nurturing talented students and graduates who will become “resource new frontier leaders” with the ability to survey and tackle issues regarding international resource development in the 21st century.



Geological survey in the Oga Peninsula

Pursuing regional development through the COC+ project to establish the university as a center for regional learning and regeneration (Promoting the education and establishment of young people in the area)
Implementation period: 2015 (started) - 2019.

We put the COC project into action as a result of the subsidies reform initiatives put forward by the Ministry of Education, Culture, Sports, Science and Technology, to develop the university as a core base for regional reinvigoration. In collaboration with local government and business, we are creating and pioneering highly attractive employment opportunities for our students, focusing on local accumulation of ‘people,’ principal axis for regional revitalization. Our aim is an increase of students’ local employment rate by 10% for 5 years, along with Akita prefecture and local commercial and industrial group.



Akita Monodukuri Open College



2017 COC+ Forum

Strategic International Collaborative Research Program. Science and Technology Research Partnership for Sustainable Development (SATREPS)

Research on the Integration System of Spatial Environment Analyses and Advanced Metal Recovery to Ensure Sustainable Resource Development
(Period of Implementation: Adopted 2014 – 2019)

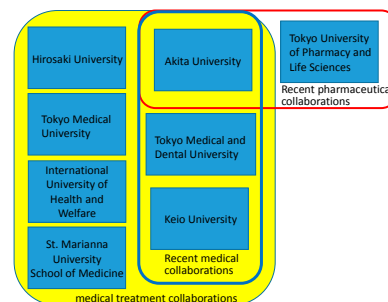
This program is conducted in Serbia at a copper resource area

struggling with environmental pollution. Participants in the program conduct far-reaching environmental assessment including restoration system research development. The aim of this program is to find balance between resource development and the protecting the environment, which is indispensable to sustainable resource development. Research is conducted using advanced remote sensing data and surface data to create a three dimensional environment evaluation and analysis, which is integrated with metal recovery technology.



Undergoing environmental research in Serbia.

Future Professional Medical Training Plan for Cancer (Period of implementation: 2017-2021)



In 2017 the Ministry of Education, Culture, Sports, Science and Technology (MEXT) invited applications for a “Training Plan for Specialist Cancer Medical Care Staff (Cancer Professionals)” as various new needs increasingly arise. Akita University has decided to participate in a training plan managed by the Tokyo Medical and Dental University, which is a continuation of its previous training plan. Keio University, the International University of Health and Welfare, St. Marianna University School of Medicine, Tokyo Medical University, Tokyo University of Pharmacy and Life Sciences and Hiroaki University will also take part in this plan. In total, eight universities are involved. The rate of population aging in Akita is the fastest in the country, and the prefecture also has the worst mortality rate for cancer. This project is an opportunity to aim for further improvement in the cancer medical care environment, especially in terms of the development of human resources. We have achieved our goal of standardization and uniformity in our “cancer pro” business. However, cancer therapy is continually evolving and advancing, and there is increasing demand for the practical application of individually tailored “cancer genomics” and “precision medicine” solutions. This project is positioned as a collaborative initiative with core cancer hospitals and medical organizations in the prefecture: through this so we intend to ensure that our graduates can play a leading role and make an active contribution to the prefecture. Specifically, we will establish “oncology departments” which will practice comprehensive cancer treatment in core cancer hospitals in the prefecture.

Akita itself does not have many examples of rare types of cancer since the population of the prefecture is relatively low. However, with the joint cooperation of all eight universities, we will set up a register of rare cancers and hold board meetings to establish a framework whereby we can collate the results of the different treatments and use these results as a reference for the future.