

# 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

## Akita University “Regional and Intellectual Base” Maintenance Project (COC project)

– Helping build a strong community despite the aging society while respecting each person’s value as an individual –  
(Period of Implementation: Adopted 2013– 2017)

This is the Ministry of Education, Culture, Sports, Science and Technology’s new subsidiary project of 2013. By promoting participation in local businesses and cooperation with residents Akita Prefecture in Yokote, Kita akita, and Katagami, we are creating the “Akita Original Regional Model.” This model gives hope to a region that is harshly feeling the effects caused by the aging population and positions the university to a place of endearment in the regional.



Seminar on integrated nursing practise/result presentation of nursing training (Yokote)

## Pursuing regional development through the COC+ project, establishing a university, which serves as a base for the community and for learning

(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, focused on developing a community of people whose key objective is regional regeneration. The prefecture’s aim, together with trade and commerce groups and business co-operation agencies, is to increase the employment rate for local students by 10% over 5 years.



“Universities are for wisdom”: Shigeru Ishiba, Minister of State for Regional Development, at the COC+ Kick-Off Symposium ( Akita City: 2/6/2016).

## Oncology Professional Training Plan. A plan to promote the training of the next generation of specialists in treating cancer

(Period of Implementation: Adopted 2012 - 2016)

This is a collaborative project with four universities in Tokyo, including Tokyo Medical and Dental University and Hirosaki University. Participants in this program work towards combating cancer. The program’s aims are to ① Obtain a variety of minimally invasive cancer treatment methods ② Train comprehensive clinical oncologists ③ Spread and promote community healthcare for cancer treatment ④ Promote clinical cancer research and the practical application of its results ⑤ Train talented students who can be involved in the development of cancer treatment equipment used in hospitals ⑥ Train oncology pharmacists who can contribute to the improvement of cancer therapies involving medication.



An Akita Regional Cancer Care Information Session.

## 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.