



KYUSHU UNIVERSITY INSTITUTE  
for ASIAN and OCEANIAN STUDIES



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## Exploring futures from Asia and Oceania

Our world today faces many challenges.

While no one knows what lies ahead,  
we remain hopeful of resolving whatever obstacles the future has in store.

Q-AOS transcends conventional frameworks and  
celebrates collaboration for a better, brighter future.

One historic school's ambitions  
have begun for  
Asia, Oceania, and beyond.



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President, Kyushu University  
Director General,  
Kyushu University Institute for  
Asian and Oceanian Studies

**Tatsuro ISHIBASHI**

## Greetings from the Director General

Kyushu University's mission is to consistently provide education at the highest international level through continuous improvement of our educational programs while also actively serving as a top-level education and research hub addressing the issues of tomorrow. In accordance with the Kyushu University Action Plan set in place to guide us on this mission, we have begun establishing Research and Education Institutes that promote academic research at the highest level by developing and integrating various research fields that represent the strengths and uniqueness of Kyushu University while also making contributions to education.

Drawing upon Kyushu University's long history of performing research and educational activities in Asia and Oceania, with which we are deeply connected in terms of both history and proximity, we established the Kyushu University Institute for Asian and Oceanian Studies in April of 2019 as the second of these Research and Education Institutes. With this institute, we are aiming to create a new academic field that will open the future by contributing to the resolution of social issues in Asian and Oceanian countries through both solutions to the problems of today and prediction of the issues expected to be faced tomorrow.

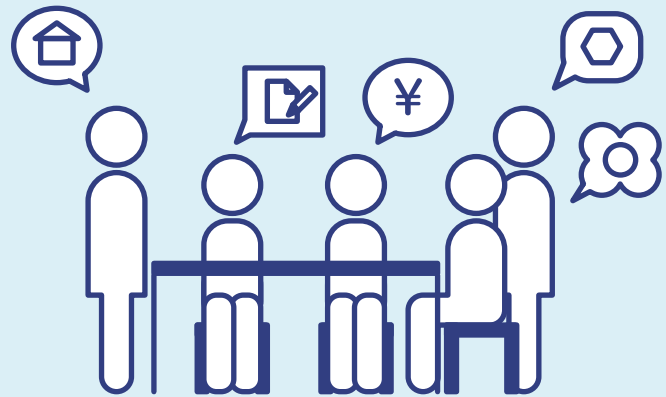
We have adopted The Sustainable Development Goals (SDGs), set as international goals from 2016 to 2030 by the United Nations, as the most urgent issues to address first. To promote studies that tackle these issues, we will cooperate with the Kyushu University Platform of Inter/Transdisciplinary Energy Research, which is already exploring energy-related SDGs, and breakdown barriers among the humanities, sociology, science, technology, and life science to work as one to achieve these goals. In addition, based on demand in the countries and areas facing these issues, we will work with people on site to identify, solve, mitigate, and predict the issues.

Grounded in the belief that solving the issues of Asia and Oceania will lead to solutions to issues the world over, this institute promotes interdisciplinary and collaborative research and educational activities together with the whole college. We look forward to your continued support and cooperation.



# INTERDISCIPLINARY ACTION

Our activities are organized into research and education “clusters” and “modules” that encourage open discussion and interdisciplinary interaction between different academic fields.



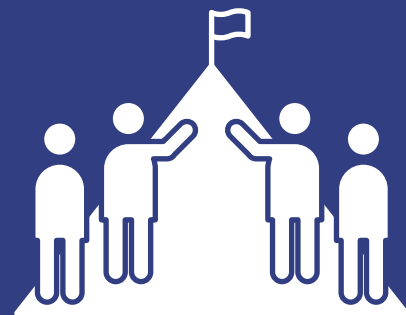
## ON-SITE & ON-DEMAND



Anticipating, uncovering, mitigating, and resolving issues through collaboration on a local scale (on-site) and in accordance with local needs (on-demand)

## FUTURE SDGs

The SDGs are global goals intended to be achieved by 2030. In addition to achieving these goals, the Kyushu University Institute for Asian and Oceanian Studies (Q-AOS) will continue to look to the future as we make strides in



**SUSTAINABLE DEVELOPMENT GOALS**

# ABOUT Q-AOS

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Q-AOS stands for **Ky**ushu University Institute for **A**sian and **O**ceanian **S**tudies.

## MISSION

Drawing upon Kyushu University's long history of performing research and educational activities in Asia and Oceania, we will create a new academic field at the highest level and bring about innovation for Asia, Oceania, and the world.

## VISION

By tackling social issues in Asian and Oceanian countries with all the Kyushu University, we will contribute to resolution on these issues through both solutions to the problems of today and prediction of the issues expected to be faced tomorrow.

Furthermore, we will essentially contribute to resolution of SDGs and Future SDGs.



# ORGANIZATION CHART



**GRASP**  
**CONNECT**  
to the **WORLD**  
**SUSTAINABLE DEVELOPMENT GOALS**

**Future SDGs**

COOPERATE

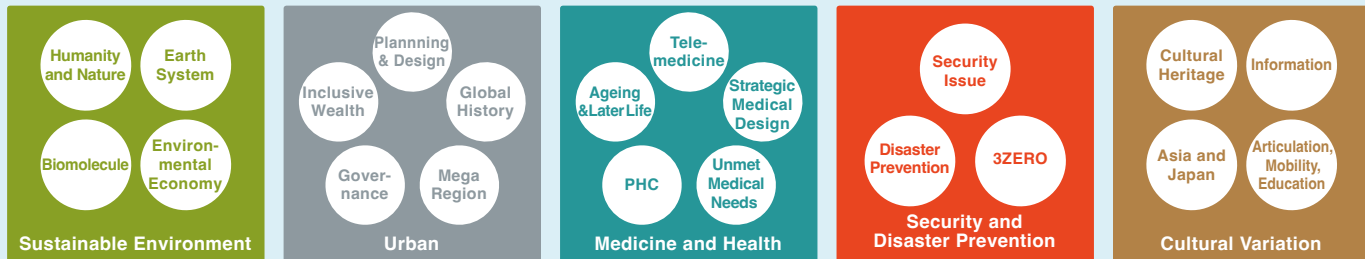


- ◆ Humanities
- ◆ Social and Cultural Studies
- ◆ Human-Environment Studies
- ◆ Law
- ◆ Economics
- ◆ Languages and Cultures
- ◆ Science
- ◆ Mathematics
- ◆ Medical Sciences
- ◆ Dental Science
- ◆ Pharmaceutical Sciences
- ◆ Engineering
- ◆ Design
- ◆ Information Science and Electrical Engineering
- ◆ Engineering Sciences
- ◆ Agriculture
- Institutes
- Hospital
- Research Centers
- Museums
- Libraries
- Administrative Offices

Administrative Office

# ALL Kyushu University

Q-AOS is committed to achieving the goals of the SDGs by working together across disciplines and in multi-module clusters to take on social issues that require a multifaceted approach.



**\*1 Clusters**  
The cluster is a unit which performs research and educational activities as a part of Q-AOS, considering 17 goals in SDGs. It consists of some modules which are selected flexibly and collaborate on the activities with each other.

**\*2 Modules**  
The module is an interdisciplinary group that identifies and solves specific social issues.

Identifying & Understanding Social Context

Joint research and education with industry, universities abroad, and local governments

Sharing knowledge from the Asia-Oceania with the world

International goals for 2030

...and beyond

# CLUSTERS

## Resource Recycling Cluster

Chief of the Cluster | Keiko SASAKI

We are aiming to establish resource recycling and sustainable environment society systems. Our research activities are as follows;

- 1 To make an innovation of the technology to recover valuable metals from E-wastes and refractory ores by using biotechnologies.
- 2 To develop technologies to separate valuable metals from avoided elements in unused metals, and to immobilize avoided elements.
- 3 For sustainable mineral and fuel resources development in later developed ASEAN countries, to establish the infrastructure maintenance, to prevent disaster, to suggest policy about resource, and to develop mining system.
- 4 To search for functions based on Asian natural materials/information(such as plants, microorganisms, insects, agricultural / forestry / animal / fishery products, minerals, folklore and biodiversity) and to utilize them practically in society.



### MEMBERS



Resource Recycling Module Leader  
acting Chief of  
Resource Recycling Cluster

**Keiko SASAKI**

(Professor, Faculty of Engineering)



Mining System Module Leader

**Hideki SHIMADA**

(Professor, Faculty of Engineering)



Functional Natural Products  
Module Leader

**Kuniyoshi SHIMIZU**

(Associate Professor, Faculty  
of Agriculture)



Sustainable Aqua-food Science Module Leader

**Kohei OHTA**

(Associate Professor, Faculty of Agriculture)

## Sustainable Environment Cluster

Chief of the Cluster | Kunio ARAYA

We will provide countermeasures against unpredictable global climate changes and biodiversity crisis in recent years through the following actions:

- 1 Establishing of the largest center of excellence of biodiversity research in Asia in order to clarify and conserve biodiversity in Asian and Oceanian Regions and to sustainably use of ecosystem functions and services.
- 2 Taking measures against global environmental change based on the data from the monitoring system of weather and ocean in the Pan-Pacific.
- 3 Forming the governance methods for reducing greenhouse gases emissions and for realizing low-carbon society.



### MEMBERS



Humanity and Nature Module Leader  
acting Chief of Sustainable  
Environment Cluster

**Kunio ARAYA**

(Professor, Faculty of Social and Cultural Studies)



Earth System Module Leader

**Kaoru ICHIKAWA**

(Associate Professor, Research  
Institute for Applied Mechanics)



Biomolecule Module Leader

**Motohide SEKI**

(Assistant Professor, Faculty of Design)



Environmental Economy Module Leader

**Shigemi KAGAWA**

(Professor, Faculty of Economics)

## Urban Cluster

Chief of the Cluster | Shichen ZHAO

For reaching the one of SDGs, "Make cities and human settlements inclusive, safe, resilient and sustainable", we will promote actual research and education that are on-site problem solving type and focus on plurality, diversity, and mobility, and we will develop international human resources in the field of urban planning who can support to make residential environment in Asia of the 21st Century. Furthermore, we are aiming both to identify social issues that should be solved in long term and to create a new academic research field through taking a leading role of Kyushu University in sustainable development in Asia and Oceania.



### MEMBERS



Chief of Urban Cluster

**Shichen ZHAO**

(Professor, Faculty of  
Human-Environment Studies)



Planning & Design Module Leader

**Takeru SAKAI**

(Professor, Campus Planning Office)



Global History Module Leader

**Tomo INOUE**

(Associate Professor, Faculty of Design)



Mega Region Module Leader

**Nobuhiro AIZAWA**

(Associate Professor,  
Faculty of Social and Cultural Studies)



Governance Module Leader

**Kaoru IZUMI**

(Professor, Faculty of Law)



Inclusive Wealth Module Leader

**Shunsuke MANAGI**

(Professor, Faculty of Engineering)

## Medicine and Health Cluster

Chief of the Cluster | Tomohiko MORIYAMA

This cluster aims to address persistent national, regional and social disparities in access to quality medical and healthcare services and in opportunities and resources to maintain socio-economic wellbeing of people in Asia and Oceania amid the sweeping processes of globalization, urbanization and population ageing. This whole mission is pursued mainly through internationally collaborative, medical and social scientific research and education with specific emphasis on ICT-based preventive healthcare and welfare policymaking. Primary SDGs target areas include Good Health and Wellbeing (3); Quality Education (4); and Reduced Inequalities (10).



### MEMBERS



Telemedicine Module Leader acting  
Chief of Medicine and Health Cluster

**Tomohiko MORIYAMA**

(Associate Professor,  
Kyushu University Hospital)



PHC\* Module Leader

**Naoki NAKASHIMA**

(Professor, Kyushu University Hospital)  
\*(Portable Health Clinic)



Ageing & Later Life Module Leader

**Masa HIGO**

(Professor, The International  
Student Center)



Strategic Medical Design Module Leader

**Yasuyuki HIRAI**

(Professor, Faculty of Design)



Unmet Medical Needs Module Leader

**Koji TODAKA**

(Professor Center for Clinical and  
Translational Research  
Kyushu University Hospital)

## Security and Disaster Prevention Cluster

Chief of the Cluster | Takeshi ONIMARU

Now, we are facing various security issues and disasters in Asia and Oceania. These issues and disasters are (1) non-traditional security issues, such as trans-border crimes, traffic in person, and infectious diseases, (2) impacts of the rapid progress of information technologies, (3) social, economic, and political instabilities caused by aging and urbanization, (4) natural disasters such as earthquakes, tsunamis, volcanic eruptions, typhoons, floods, and torrential rains. This cluster will identify the root causes of these problems and will find feasible solutions.



### MEMBERS



Security Issue Module Leader  
acting Chief of Security and  
Disaster Prevention Cluster

**Takeshi ONIMARU**

(Professor, Faculty of Social and  
Cultural Studies)



Disaster Prevention Module Leader

**Kazuto MISUMI**

(Professor, Faculty of Social and  
Cultural Studies)



3ZERO Module Leader

**Ashir AHMED**

(Associate Professor,  
Faculty of Information  
Science and Electrical Engineering)

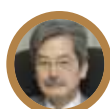
## Cultural Variation Cluster

Chief of the Cluster | Kazuo MIYAMOTO

From long-term perspectives, we will analyze the variation of human activity including culture, politics, and economy. We are thereby aiming to reveal cultural backgrounds where social issues that should be solved were caused, to suggest solutions of these issues, and to identify future issues.



### MEMBERS



Cultural Heritage Module Leader  
acting Chief of Cultural  
Variation Cluster

**Kazuo MIYAMOTO**

(Professor, Faculty of Humanities)



Information Module Leader

**Toru OGA**

(Associate Professor, Faculty of Law)



Asia and Japan Module Leader

**Toshiko NONOMURA**

(Professor, Faculty of  
Human-Environment Studies)



Articulation, Mobility, Education  
Module Leader

**Takuya KIMURA**

(Professor, Faculty of  
Human-Environment Studies)

# INTRODUCTION OF Q-AOS ACTIVITIES

Q-AOS organizes an assortment of events, seminars and symposiums to promote interdisciplinary and integrative research and education and share our findings with the world. This page introduces the latest activities.

## SEMINARS Q-AOS Brown Bag Seminar

Q-AOS Brown Bag Seminars are presented online every Wednesday at lunch-time. These presentations highlight University expertise, the latest research findings, and more in a way that is relatable to the general public. They also offer an opportunity for international exchange and interdisciplinary integration, focusing on topics such as the sustainable development goals (SDGs) and current affairs in the Asia-Oceania region.

The seminars are conducted entirely in English and Japanese (with simultaneous interpretation and material in both languages available) and are open to all.

To date, we have featured lectures from a wide variety of speakers, including researchers from throughout the University, external experts, and outstanding graduate students. The Q-AOS Brown Bag Seminar promotes interdisciplinary fusion and helps stimulate research and educational activities at Q-AOS and across Kyushu University.

\*A "brown bag seminar" is an informal session in which attendees are invited to participate while enjoying their lunch (often carried to work or school in a brown paper bag in the US).



## Asia Week EVENTS

achievements have the potential to support new development in Japan and abroad, strengthen ties with universities and other partners overseas, and promote the establishment of new international exchange and cooperative systems. Starting in AY2022, Q-AOS will play a central role in organizing Asia Week events, which will be held in November this year around the theme of "Kyushu University: Open to Asia and Connecting with Asia." We will feature country- and region-specific events, seminars planned by our interdisciplinary expert teams of researchers, the Asian and Oceanian Award for poster presentations by early-career researchers and students, and more.

## SYMPOSIUMS Q-AOS Symposium

Each year, the Institute for Asian and Oceanian Studies (Q-AOS) holds a symposium designed to promote interdisciplinary and collaborative research and educational activities through international exchange opportunities that transcend academic boundaries.



The theme of the AY2021 symposium was "Past, Present and Future of the City—What does the next 100 years look like?" It was based on the fact that with much of the world's population concentrated in urban areas, efforts at the municipal and regional level are of critical importance, and the shape that cities take in the future will greatly influence our chances of achieving many of the SDGs in areas such as poverty, climate change, healthcare, and education.

The symposium in AY2022 is titled "Creation of Resource Frontier toward SDGs Society". We will feature engaging topics related to "resource recycling" that represent the full breadth of academia (including science and engineering, biology, humanities and social sciences, and multidisciplinary fields), with speakers from Japan and abroad invited to participate in the hybrid-style event.

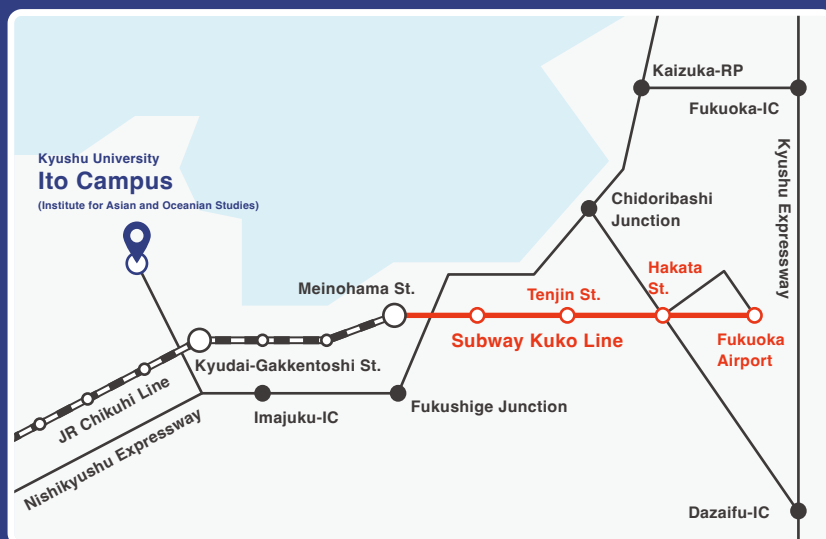
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WEB <https://q-aos.kyushu-u.ac.jp/en/>



### Access1

Fukuoka Airport (Subway Kuko Line)

- Meinhama Station (Transfer to JR Chikuhi Line)  
→ Kyudai-Gakkentoshi Station
- Kyudai-Gakkentoshi (by Showa Bus)  
→ Ito Campus

※ Alternatively, board a train bound for NishiKaratsu or Chikuzen-Maebaru, which eliminates the need to transfer at Meinhama Station.

### Access2

Fukuoka Airport (Subway Kuko Line)

- Hakata Station
- Ito Campus (by Nishitetsu Bus)



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