

Strategic planning

Foundation for social change and open innovation

Integrated Initiative for Designing Future Society

Established on April 1, 2022

- Collaboration with diverse stakeholders
- Promote initiatives to solve social issues by utilizing Integrative Knowledge



Decarbonization



Medicine/Health



Environment/Food



Think-tank

Strengthen Engagement

KU Ver. Platform for Community Collaboration

- Strengthen collaboration with various consortiums, including Organization for Promotion Academic City by Kyushu University (OPACK)

- Platform for social implementation and resolution of social issues through industry-academia-government-private sector collaboration

Society

Data-Driven Innovation Initiative

Established on April 1, 2022

- Development of data-driven education, research, and medicine
- Proposal for the "ideal" new digital society
 - ◆ Management and Planning Division
 - ◆ Digital Society Creation Research Division
 - ◆ Learning Analytics Division
 - ◆ Next Generation Open Education Promotion Division
 - ◆ Research Data Management Support Division

Open Innovation Platform (OIP)
Established on April 1, 2022

Joint Symposium (Sep, 2022)

- Presentations on solving social issues and DX by a variety of speakers from industry and academia
- Discussion on the theme of "What is the ideal future society?"



Open Innovation Workshop (Nov, 2022)

- Introduction of cutting-edge research, including 3-entry points, and corporate initiatives
- Recognition of researchers with outstanding industry-academia collaboration achievements



Click here for details of each division ⇒



- Establishment of a research system based on the integration of fields.
- Promote interdisciplinary research and develop initiatives to solve social issues through Integrative Knowledge.
- Establish goals to reach by 2030 and create a roadmap. (<https://in2fs.kyushu-u.ac.jp/unit/>)

【An example of a structure for promoting solutions to social issues】

Regional Collaboration Promotion Group, Decarbonization Promotion Unit

Social Implementation of Energy Saving Technology by DC Microgrid

【Participating Faculty】
Platform of Inter-/Transdisciplinary Energy Research, Faculty of Economics, Global Innovation Center

Insect Science Group, Environment & Food Promotion Unit

Creation of insect science that balances food production and infectious disease control with biodiversity and the global environment

【Participating Faculty】
Faculty of Agriculture, Institute for Asia and Oceania Studies

High Depth Omics Group, Medicine & Health Promotion Unit

Development of Single Cell Multi-Omics Analysis Technology for Disease Prediction and Early Detection

【Participating Faculty】
Medical Institute of Bioregulation, Research Institute for Information Technology

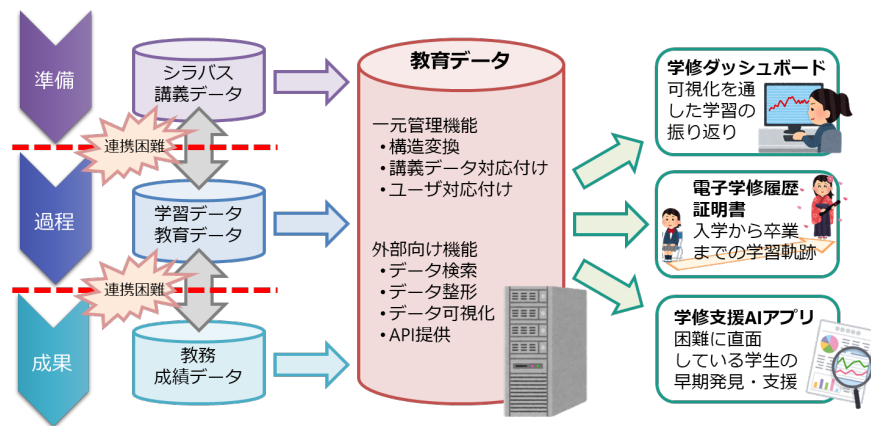
Think Tank Unit

Designing an ideal future society and proposing solutions to social issues and the processes

【Participating Faculty】
Faculty of Design, Faculty of Information Science and Electrical Engineering, Faculty of Law, AiRIMaQ

One-stop for education data utilization

Consolidate course, activity, and grade information in one place to improve efficiency in the use of educational data.



Research Data Management Support Services Website development and publication

Consolidate necessary information and support systems for research data management and disclosure.



Held a research meeting of the Research Division for the Creation of Digital Society

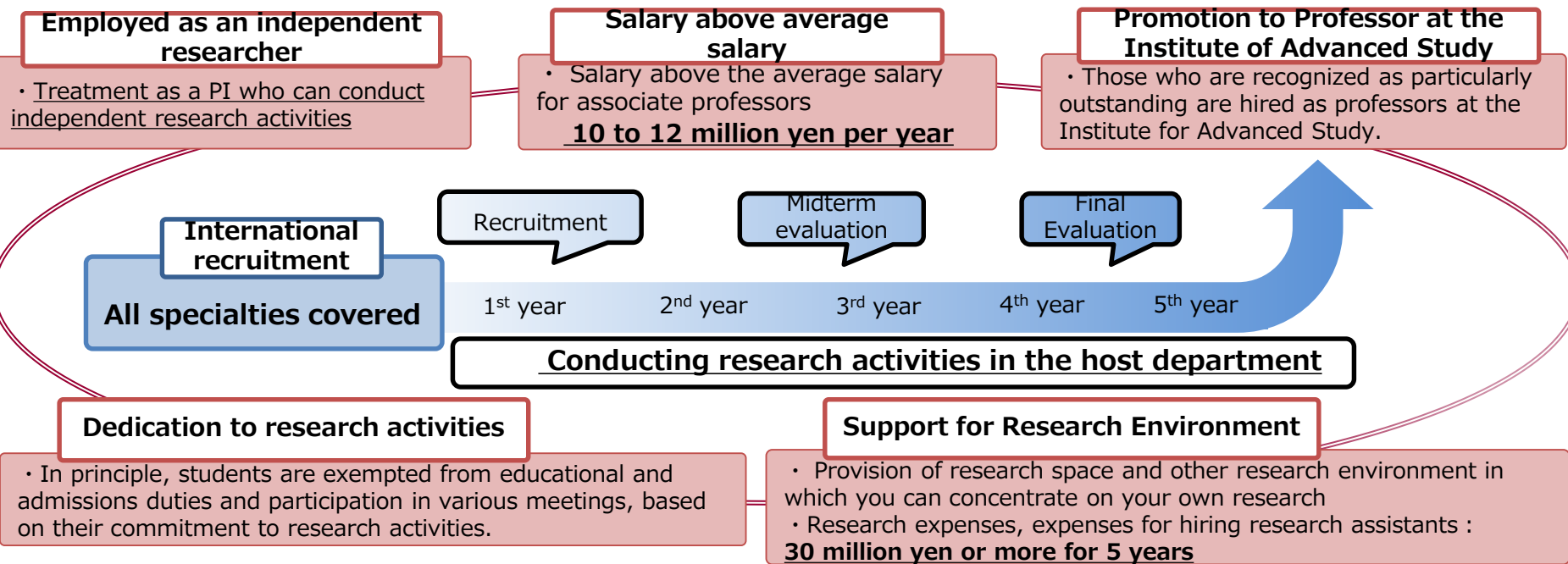
Establish research issues related to the creation of a digital society and conduct intensive research to solve these issues.

【 FY2022 Research Group Themes (examples) 】

- Nudge Theory Fundamentals for Behavior Change.
- Plant Phenotyping Technology for Data-Driven Agriculture.
- Designing Culture in the Digital Society.
- Regenerative Medicine and Engineering Research and Expectations for DX.
- The Human Mind and the Creation of Digital Society: Perspectives from Cognitive, Health, and Cultural Psychology.
- Issues Related to A.I. Introduction: Comparative Analysis Using Questionnaire Data.

Inamori Frontier Program (Phase I public offering: begins February 2023)

- Strategically recruit outstanding young researchers who aim to develop original and ambitious research, and foster talented individuals who will lead the future.
- Treatment as a PI with the ability to conduct independent research activities, as well as various incentives.

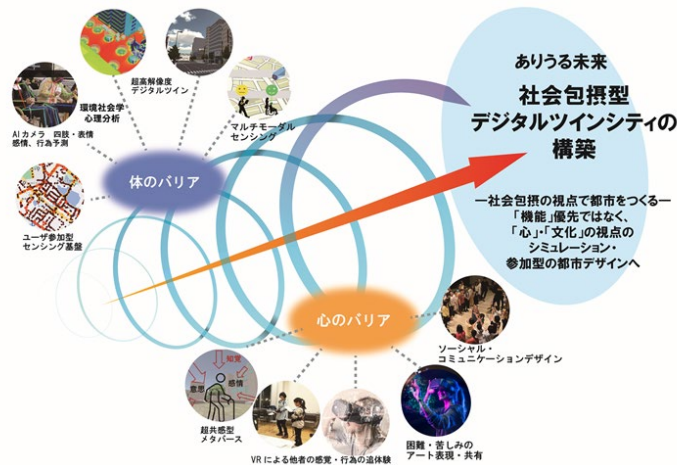


Free Quarter for Research (FQR) System (Established March 2023)

- At least one quarter of time to devote to research by being exempt from teaching and administrative duties.
- Creating an environment that allows more time for research and produces more outstanding research results.

Seminar hosted by Cabinet Office Introducing Kyushu University's efforts in "Creating New Value through the Dissemination and Utilization of Integrative Knowledge". (Feb, 2023)

Associate Professor Takatori of the Faculty of Art and Design, Japan, introduced a case study on "Realization of a Socially Inclusive Digital Twin City that Generates Migratory Behavior and Social Participation in the Age of Super-aging



Symposium Kyushu University x Social Co-Creation "The Challenge of Linking Society and University" - Integrative Knowledge Created by Everyone" was held. (Mar, 2023)

Symposium to discuss how to connect society and universities to create and utilize Integrative Knowledge, and how to create and implement opportunities for co-creation

Part 1: Kyushu University, Osaka University, and Fukuoka University introduced case studies under the theme of "University as a Place for Co-Creation."
Part 2: Introduction of case studies of efforts by industry and others to collaborate and co-create with citizens under the theme of "Co-creation Learning from Practice."



Brown Bag Seminar

Seminars are held to introduce Kyushu University's latest research activities related to the Asia-Oceania region and the SDGs, and to provide a venue for interdisciplinary research networking and exchange.
(Held every Wednesday during lunch time, open to anyone inside and outside of the university)

【Seminar titles for FY2022 (example)】

- Organic Optoelectronics Expanding into the Future
- International Trends in Electric Vehicles and the Challenge of Becoming Carbon Neutral
- Learning Analytics Challenges for Data-Driven Education
- Festivals and Diseases - The Birth of Era Festivals
- Evolution of Machine Translation and Language Education
- Toward Stable Food Production under Global Environmental Change
- Psychology of Entomophagy
- Brain Diseases and Immune Responses
- Information Technology to Measure and Change Human Behavior
- Can "Flying Cars" Become a Socially Acceptable Means of Transportation?

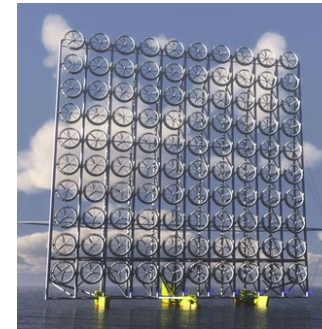
※ For details, please refer to the website of Institute for Asia and Oceania Studies (<https://q-aos.kyushu-u.ac.jp/>)

Offshore Wind Research and Education Center

- Offshore Wind Research and Education Center established. (April 2022)
- Consortium for Offshore Wind Industry-Academia-Government Collaboration established. (August 2022)



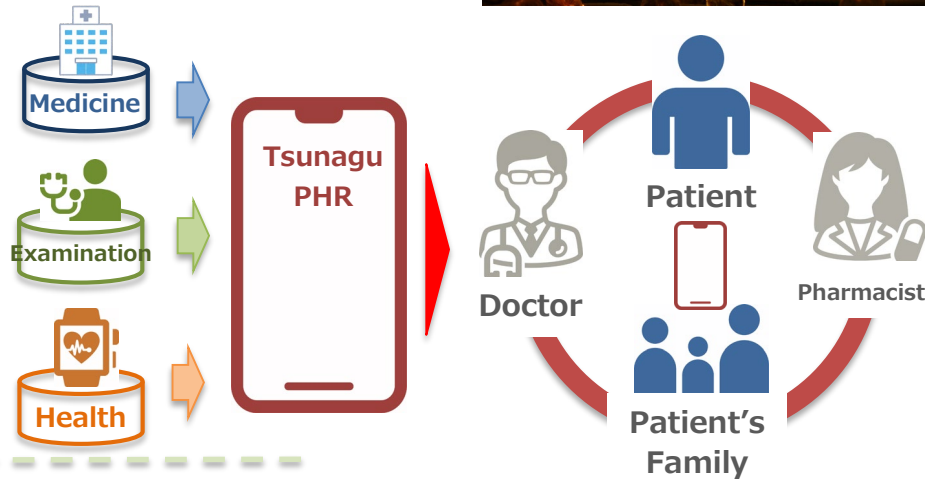
Contributing to the realization of a distributed energy society by making offshore wind power the main source of electricity.



PHR (Personal Health Record) Fukuoka Project Started



Fukuoka City Collaborates with Dentsu to Create a Society in which Citizens Can Self-Manage Their Medical and Health Data. (September 2022)



Establishment of an International Center for Marine Plastics Research

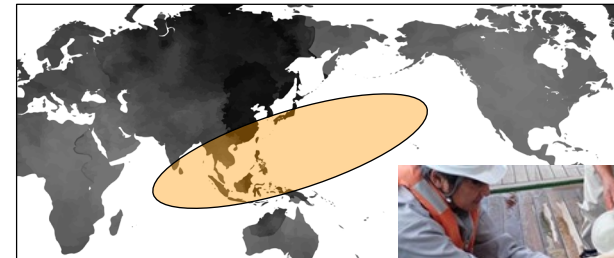


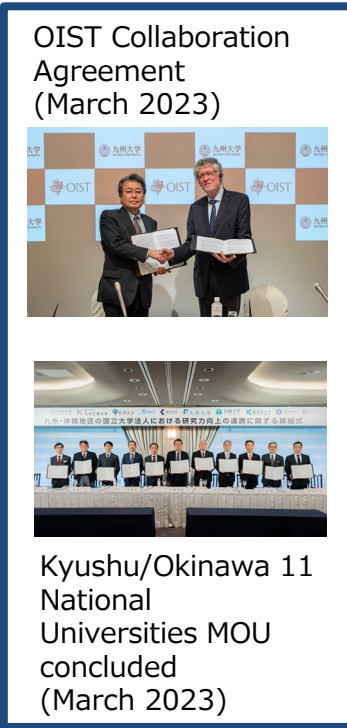
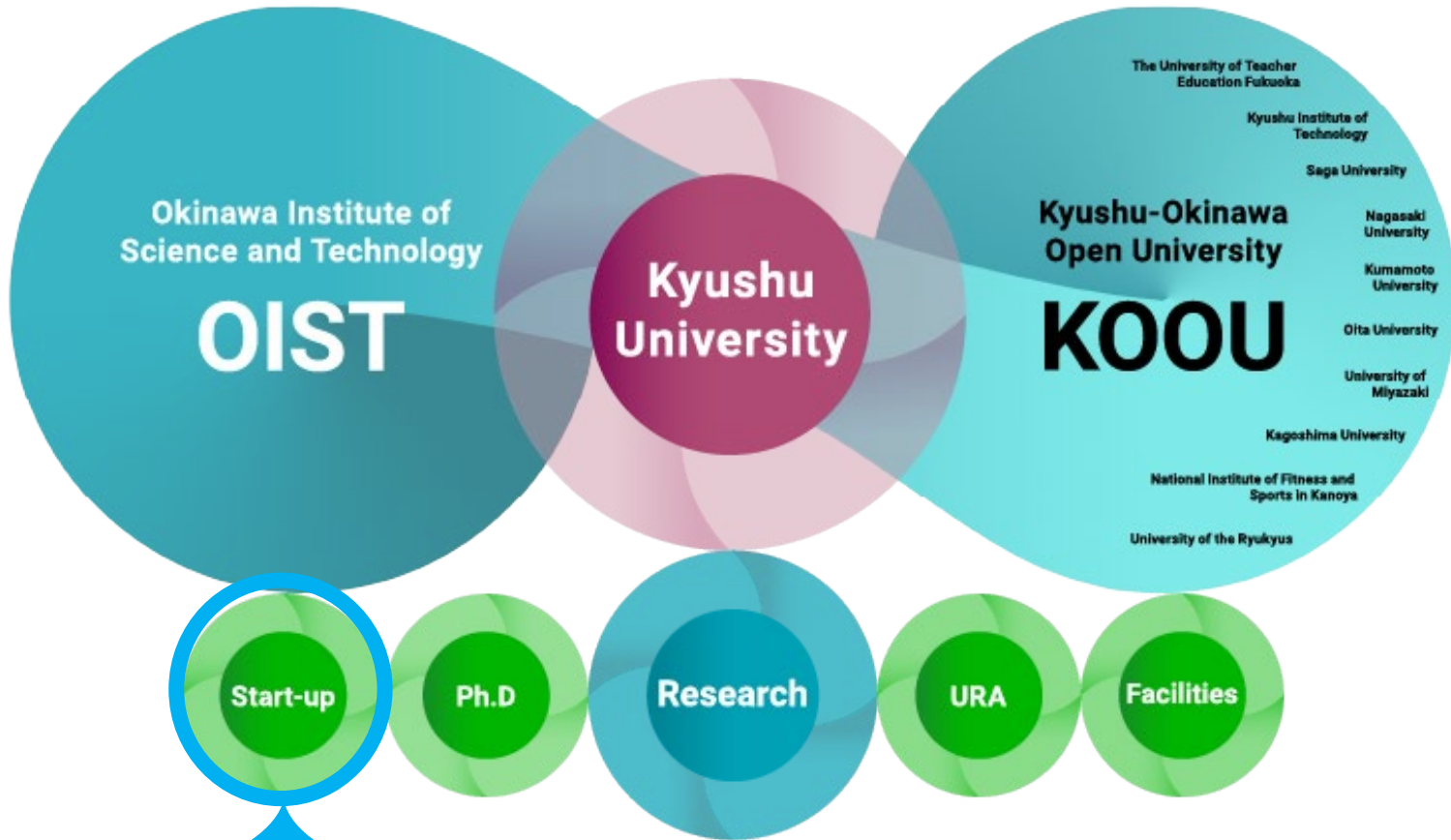
- Establishment of the Marine Plastic Center at Chulalongkorn University, Thailand (April 2022)

Study of waste plastic flows discharged into the ocean

Monitoring of marine plastic debris from estuarine to marine areas

Policy recommendations based on scientific findings





PARKS (Platform for All Regions of Kyushu & Okinawa for Startup-ecosystem)

A collaborative platform of national, public and private universities and companies in the Kyushu-Okinawa region. Support for entrepreneurial activities and entrepreneurship education

➤ March 2023 PARKS Demo Day 2023 to be held

27 teams aiming to commercialize their business plans presented the results of customer verification and their business plans as business plan pitches as a result of their activities over the past six months.

Goal

- Aim to have 155 startups from PARKS by the end of FY2026.
- Aim to have 12,000 students/year in the entrepreneurship curriculum by the end of FY2026.