



Driving Social Change with Integrative Knowledge

Objective I

Become a platform for knowledge that drives world-class research and education

Objective II

Become the core of an innovation ecosystem that forges new social and economic systems

Boost research capabilities to compete with the world

Enhance research strategy and identify new strengths via the Comprehensive Research Strategy Council

Promote the generation and implementation of integrative knowledge to advance research and solve social issues

Acquire excellent young, female, and international researchers

Enhance teaching to train professionals who create new value

Adapt problem-solving-oriented education programs and STEAM education into a campus-wide curriculum

Expand interdisciplinary degree programs that span across schools to develop versatile Ph.D. graduates

Internationalize education through Collaborative Online International Learning (COIL), double-degree programs, and joint-degree programs

Strengthen university governance

Adopt corporate points of view for management and diversify campus

Creation and utilization of integrative knowledge

Top priority

Initiatives to transform society by solving social issues

Entry Points

Social issues to be addressed by leveraging our strengths and unique features

Decarbonization

Medicine and Health

Environment and Food

Head Office for the Design of Future Society



Directed by the President

Mission

- Produce and utilize integrative knowledge that fuses the natural sciences with the humanities and social sciences
- Formulate strategies to achieve our vision in response to social changes
- Manage progress of initiatives and allocate resources strategically
- Act as a bridge for the Kyushu University Regional Collaboration Platform through coordination and recommendations

Top priority

Initiatives for DX-driven social reform

Promotion Office for Data-Driven Innovation



Directed by the President

Mission

- Research what a DX society should be and disseminate strategies to achieve it
- Develop data-driven education, research, and medicine
- Establish data management (DM) and data governance (DG)
- Contribute to innovation through DX

Creation and utilization of integrative knowledge

Stimulate initiatives through strategic resource allocation

Connect with society

Strengthen industry, academia, and government collaboration to facilitate the solving of social issues and to accelerate the commercialization of research output

Promote university start-ups

Encourage citizen science through collaboration with local communities

Strengthen international collaboration

Enhance international collaboration with strategic partners

Accelerate international talent circulation through expansion of joint research

Make the campus environment more conducive to globalization

Strengthen our financial Base

Secure diverse financial resources based on strategies for acquiring external funds

Vision in 10 years

A university driving social change with integrative knowledge

Objectives

- I. Become a platform for knowledge that drives world-class research and education
- II. Become the core of an innovation ecosystem that forges new social and economic systems

Initiatives

- Top priorities**
- A. Transformation of society by solving social issues
 - B. DX-driven social reform
- A. Enhance teaching to train professionals who create new value
 - B. Boost research capabilities to compete with the world
 - C. Connect with society
 - D. Strengthen international collaboration
 - E. Strengthen university governance
 - F. Strengthen our financial base

Strategic Goals

Initiatives to Achieve Strategic Goals

Performance Indicators (KPI)

Results

Outcome

A university driving social change with integrative knowledge

Education and Internationalization

Secure and foster excellent students from inside and outside Japan and cultivate professionals who can create new value necessary for the realization of Society 5.0

Act as a hub for international talent circulation

- Adapt problem-solving-oriented education programs, STEAM education, and entrepreneurship education to the campus-wide curriculum
- Develop Ph.D. graduates through interdisciplinary degree programs and support for career paths
- Increase the number of inbound and outbound students such as through COIL and joint-degree and double-degree programs
- Promote interaction among international and Japanese researchers and students by improving the quality of the living environment for international researchers and students

Number of international students: 3,200

About 17% of the total student body, which is close to that for benchmark university NTU (17.1%)

Number of international faculty and faculty with international experience: 1,500*2

About 63% of the total, which is close to that for benchmark university NTU (about 80%)

Enhancement of research capabilities in the three entry points below and resolution of social issues

3 entry points

- (1) Decarbonization
- (2) Medicine & Health
- (3) Environmental & Food

Contribution to and impact on society by solving issues, social implementation, and enhancing capabilities of research and education

Research and Internationalization

Promote the creation and utilization of integrative knowledge that advances social change through academic research and the resolution of social problems

Allocate strategically internal resources so that we

- further extend our lead in research areas where we currently are world leaders
- recruit and train excellent researchers who will become sources of innovation

Act as a hub for international talent circulation

- Identify new research areas and study how integrative knowledge can be generated by establishing the Kyushu University Comprehensive Research Strategy Council
- Create and implement integrative knowledge
 - to contribute to the development of research in academia
 - to help solve problems in society
- Allocate strategically financial resources and faculty to the three research fields selected as entry points and research recognized as a Designated Research Innovation Zone
- Acquire young, female, and international researchers and develop them through the Institute for Advanced Study and University Reform and Revitalization System
- Promote curiosity-driven research by securing time for conducting research through the FQR system and Q-Brain Bank and by utilizing equipment efficiently with ShareAid
- Enhance international collaboration with strategic partners
- Accelerate the pace of international talent circulation by expanding cross-appointments and creating a new fellowships

Articles published with international coauthors over a 5-year period: 10,000

On par with benchmark university UIUC (11,947)

Articles published in top ten percent journals over a 5-year period: 9,000

On par with benchmark university UIUC (13,121)

Development and social implementation of data-driven education, research, and medicine

World-class research and education and enhancement of international presence

Percentage of

- Young researchers 30%
- Female researchers 25%
- International scholars 10%

Acquire 300 young, female, and international researchers, including young researchers developed at IAS, by 2030 through the University Reform and Revitalization System

Generation and development of new research fields where we have the potential to lead the world

KPI

At least 10 fields ranked in the top 100 of the QS World University Rankings by Subject*1 within 10 years

Societal Connections

Facilitate the solving of social issues and accelerate social implementation through the commercialization of research output

- Lead social implementation of research output with issue-driven and science-driven initiatives by establishing the Open Innovation Platform
- Ensure the continuity of functions to support industry-academia-government collaboration by launching a new external corporation
- Produce university start-ups and strengthen the financial base through sales pitches led by the President and the GAP fund NEXT program

Joint research funding: 5 billion (JPY)

Set with reference to active industry-academia collaboration activities in benchmark university UCSD

Number of university start-ups: 50+

Set with reference to active industry-academia collaboration activities at benchmark university UCSD

Promotion of curiosity-driven research

Expansion and enhancement of international collaboration

Governance Strengthening

Strengthen the university governance to realize our vision, to promote education, research, and international collaboration, and to advance initiatives for social issue solutions and DX

- Reinforce the support system for the President through the appointment of the Provost, revise the salary management system, and improve the quality of university's global marketing
- Strengthen ties with the region through the Kyushu University Regional Collaboration Platform
- Diversify the campus environment through more diversity in positions starting with university leadership*3

Percentage of female and international members among the leadership*3: 40%+

At least 12 of the total 29 individuals comprising university leadership

*1 The QS World University Rankings were referenced in the setting of each KPI. Field-specific ranking indicators are comprised of "Reputation", "Citation," and "h-index," and given that Kyushu University's strength with regard to the component elements used for academic evaluation, this is an effective means of ascertaining the university's status with regard to the goal of increasing its prominence in global, top-tier research fields.

*2 International faculty and faculty with international experience include faculty members who obtained their Ph.D. from overseas institutions or who have conducted research abroad for more than one year

*3 University leadership here includes the executive board members like the President and his Executive Vice Presidents, plus non-executive members like Senior Vice Presidents and Vice Presidents.

Financial Base Strengthening

Strengthen the financial base, to enable the strategic distribution of resources to efforts aimed at realizing our vision

- Conclude institutional collaboration agreements with the President himself acting as top sales representative and increase the number of large-scale joint research projects
- Raise the revenues for the Kyushu University Fund by utilizing the Kyushu University CEO Club and by increasing the number of fundraisers

Ratio of external funding to ordinary revenue (exc. the hospital): 35%

Set with reference to active industry-academia collaboration activities at benchmark university UCSD

