

New Mission Areas

- Three new Mission Areas were launched in April 2021. (8 MAs in total)
- Call for R&D proposal is open now (deadline: June 15).

Advanced Intelligent Information Society

R&D Supervisor (PO): MAEDA Eisaku
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New Social Challenges

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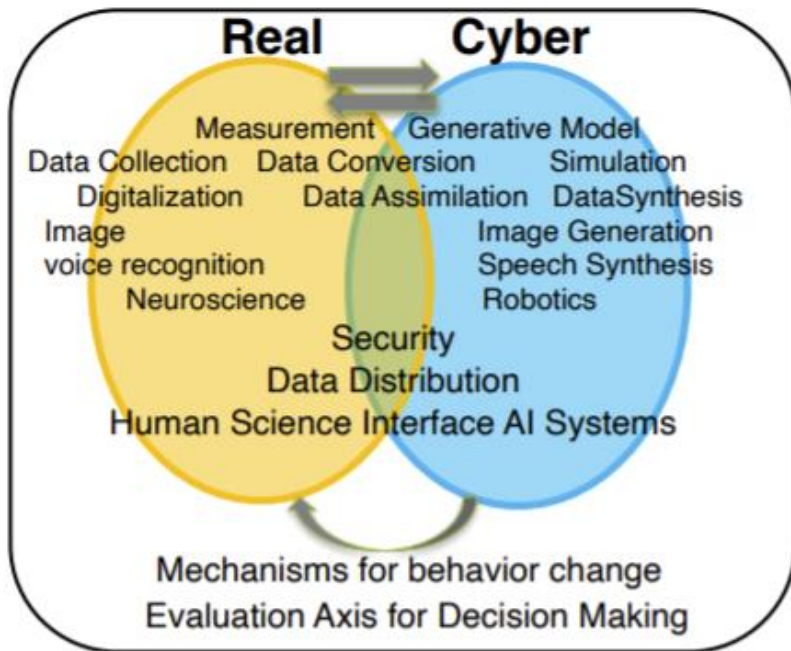
Society Optimized for Diversity

R&D Supervisor (PO): WAGA Iwao
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Advanced Intelligent Information Society

- In recent years, the rapidly evolving digitalization, data coordination and its utilization has created a new reality in which people, organizations, logistics--in reality, almost everything--are constantly connected on a global level and mutually influence one another.
- In this mission area, we aim to realize a next-generation information society that enables creation of new values and immediate response to uncertain and discontinuous changes through collection of diverse and reliable data in the real world and connection with various things to them.



Examples of R&D

Disaster prevention
x Digital Twin



Learning and Education
x Digital Twin



Food x Digital Twin

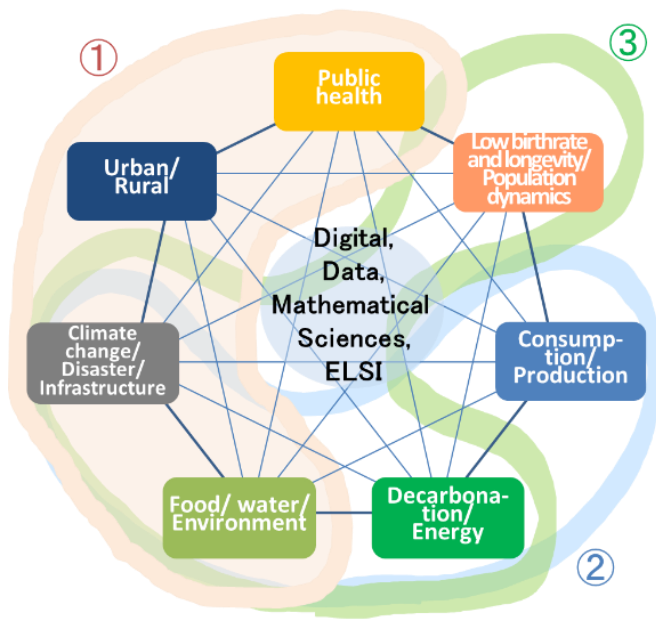


Healthcare x Digital Twin



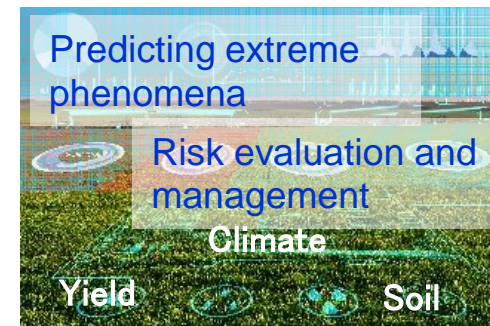
New Social Challenges

- Japan faces a number of issues, including public health crises such as the new COVID-19 infection, unforeseen disasters, declining birthrate and aging population, climate change, rural-urban issues, food and resource problems, aging infrastructure, and the risk of natural disasters.
- Besides, there is demand for appropriate responses to the changes in Japan's security environment, and the need to increase the resilience of our land and social functions.
- In this mission area, we aim to solve such emerging social problems.



Three multiple perspectives envisioned for the seven categories and four foundations for solving emerging social issues

Examples of R&D



Society Optimized for Diversity

- In the future, people's life is expected to be changed intrinsically. The modes of behavior and action such as transportation, business practices, and lifestyle habits will be specifically released from the constraints of physical space and time, and thus transformed.
- In addition, human resources that have not been able to play active parts in the past will be released from restrictions, and the social diversity will be improved.
- In this mission area, we aim to realize a society in which merchandises and services are optimized for various users.

Examples of R&D

Customer Satisfaction Measurement using Biometric and Contextual Information

Facial expression analysis × Vocal analysis

Biometric information in Physical Space × Background & Contextual Information in Cyber Space

Customer Service Provider

Customer Status, Preference, Hospitality

Culture Tradition, Environment

Comfortability Evaluation with Sensing Technologies

3D scanner

Sensitivity indexes

A Society Optimized for Diversity

Objective

- A state of well-being in which the body and mind are full, lively and happy (well-being)
- A state in which the individual as well as other people and society are satisfied.

DISPARITIES ↑

④ Developing actions to enhance group well-being

③ Measuring the components of population well-being

② Elucidation and utilization of effects that enhance individual well-being

FY2021

① Measuring changes in the components of personal well-being

Current Situation

It is difficult to grasp changes in well-being in detail and in real time, and has not yet been applied in earnest.

Roadmap to the goals of this mission area

New R&D projects will be announced this fall.

Stay tuned!



未来社会創造事業