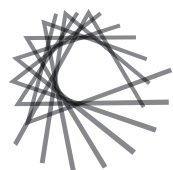
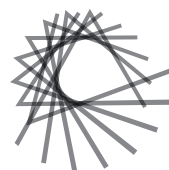


Promotion of Co-creation



Science Agora

Hosting Japan's largest open forum "Science Agora" which connects science and society. Since its establishment in 2006, participants from various sectors (academia, private sectors, governmental bodies, media and citizens) have engaged in discussions helping to co-create our common future.



Science Agora (regional)

Co-hosting the Science Agora Collaborative Projects with universities and other local organizations nationwide, to contribute to developing an autonomous, sustainable local society through dialogue.



未来社会デザイン
オープンプラットフォーム

The open platform for co-designing the future

(CHANCE: CHAllenge-
driveN Convergence Engine)

Aim to maximize R&D results, promote the implementation, and contribute to solving social issues by leading social expectations and issues obtained from co-creation to strategy formulation and R&D.



'STI for SDGs' AWARD

'STI for SDGs' Award

An annual award for outstanding initiatives originating in Japan for solving social issues with the help of Science, Technology and Innovation (STI).

The awards aim to contribute to the achievement of SDGs by further developing the awarded initiatives and promoting their use in other regions facing similar challenges.

Research Institute of Science and Technology for Society(RISTEX)
Japan Science and Technology Agency

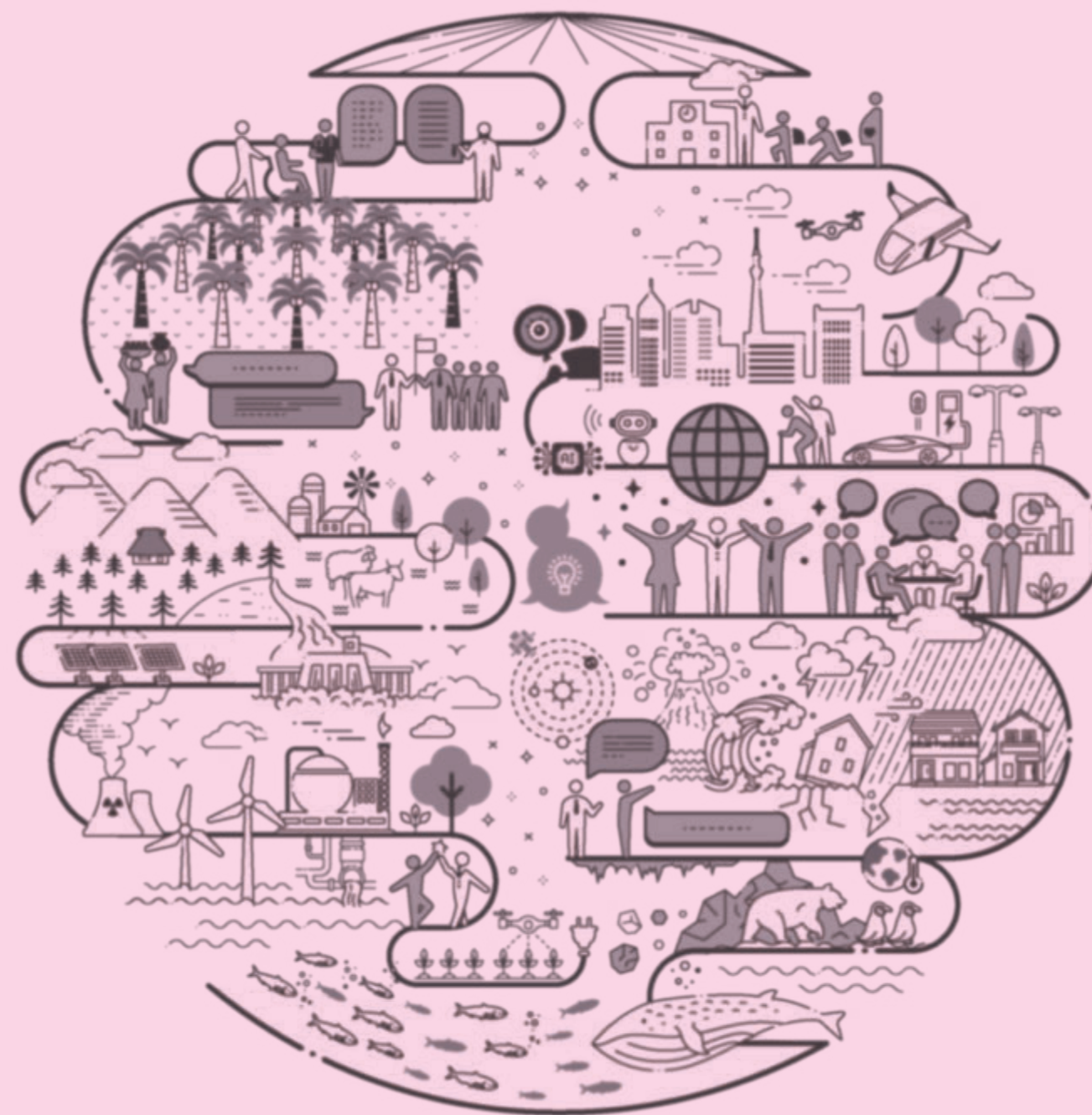
JST Tokyo Headquarters (Science Plaza) 5-3,
Yonbancho, Chiyoda-ku, Tokyo 102-8666, Japan
Tel. +81-3-5214-0130

<https://www.jst.go.jp/ristex/en/>



RISTEX

Research Institute of Science
and Technology for Society





Message by the Director-General

Debates surrounding the purpose of academic science have given rise to a wide range of perspectives. Beyond the traditional goal of the search for truth, there has been an increasing emphasis in recent years on the desire for academic science to simultaneously contribute to the solution of social problems. Based on this problem awareness, RISTEX has been supporting a new approach to R&D (Science and Technology for Society) for the past 20 years. This approach addresses socially significant issues by integrating contributions from all relevant academic disciplines and by involving all those who are faced with the challenge. This approach, often referred to as convergence knowledge, RRI*, or transdisciplinary research, has recently gained global attention for its problem-solving focus. It involves collaboration between researchers and non-researchers in both the humanities and the sciences.

*RRI: Responsible Research and Innovation

KOBAYASHI Tadashi
Director-General of RISTEX

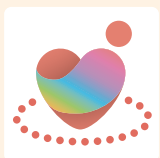
Social issue surveys

RISTEX has been conducting surveys since 2008 to organize the structure of complex social issues and visualize the importance of social issues from multiple perspectives. The survey results will be utilized to establish the R&D focus areas/programs RISTEX promotes and for extensive utilization by stakeholders in the industry, academia, government, and private sectors.

R&D Results 1

Preventing social isolation and loneliness among children

Social welfare science AI Industry School



Developing a School-centered System to Prevent Social Isolation, Loneliness and Exclusion of All Children (2021-)

YAMANO Noriko (Professor, Osaka Metropolitan University)

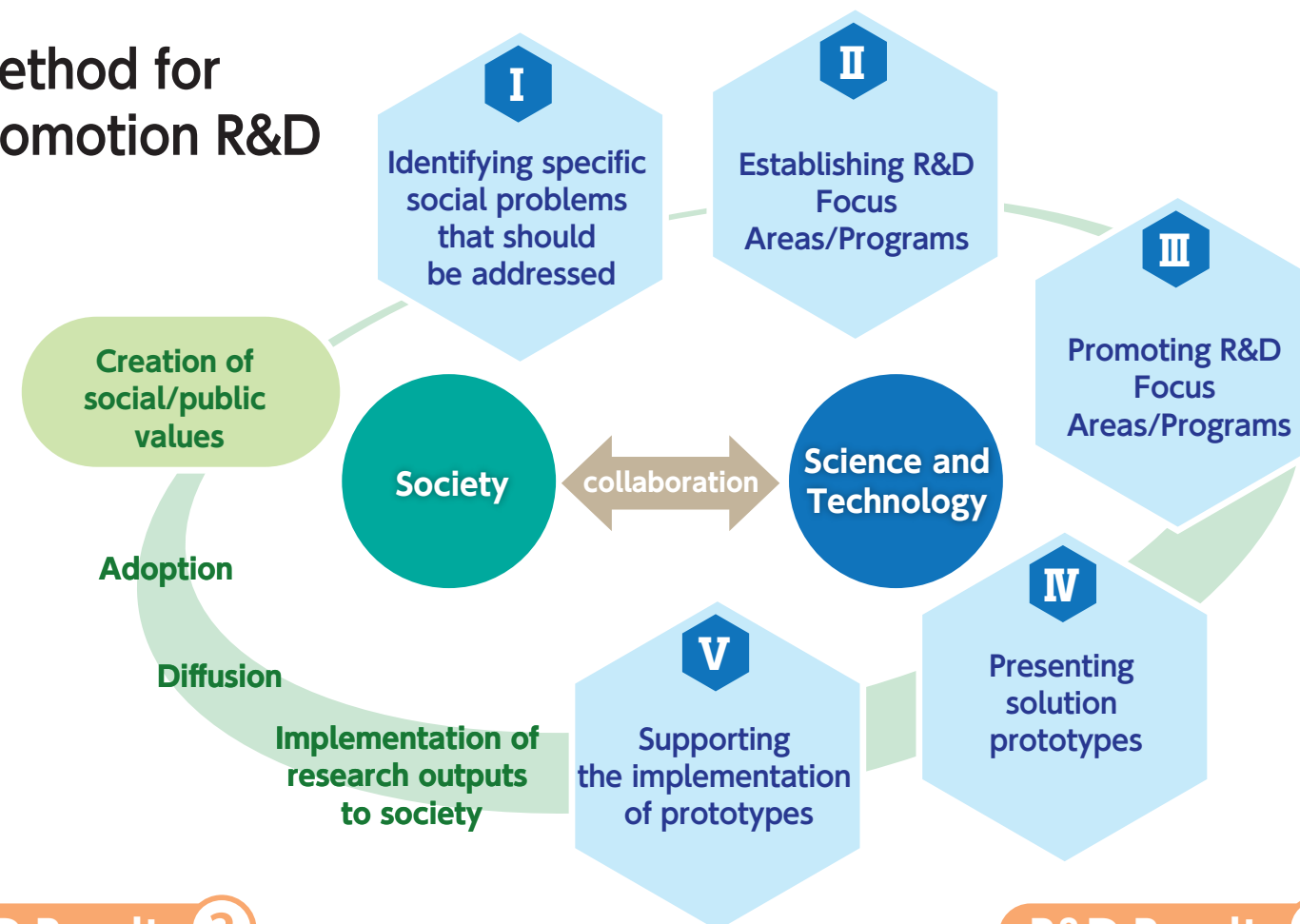
The project has worked with businesses to field-test and develop a screening system that identifies potential SOS signs and connects them with appropriate support services in a timely manner.

The system has been introduced in 67 schools in 11 municipalities (as of December 2023), including Osaka City, Kobe City, Nagi Town in Okayama Prefecture, and Miyaki Town in Saga Prefecture.

<https://www.jst.go.jp/ristex/koritsu/en/projects/07.html>



Method for Promotion R&D



R&D Results 2

Predicting the future of unpaid work using sociological and economic approaches

AI Housekeeping Childcare Nursing Care Sociology and Economics



The Future of Unpaid Work: AI's Potential to Transform Unpaid Domestic Work in the UK and Japan (2020-2023)

NAGASE Nobuko (Professor, Ochanomizu University)

To predict the future of unpaid work, the project conducted a survey asking AI experts in Japan and the UK to estimate the potential for automating 17 different types of housekeeping and nursing care work in the future. The results of the survey, which highlighted the issue of gender inequality in Japanese households, have had a significant social impact. This is underscored by the fact that the BBC has cited the survey as key evidence in policy discussions about the future of society.



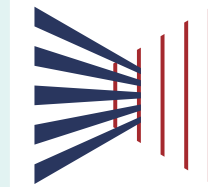
<https://www.jst.go.jp/ristex/hite/en/community/project000426.html>

R&D in progress



Responsible Innovation with Conscience and Agility

Promotion of R&D that addresses ethical, legal and social implications/issues (ELSI) in S&T comprehensively and practically



SOLVE for SDGs: Digital Social Trust

Promotion of integrated efforts, from problem identification to solution, to form trust from social aspects for addressing issues that arise due to the advance of the information society



SOLVE for SDGs: Social Isolation & Loneliness

Promotion of R&D on the mechanisms, risk evaluation, and preventive measures of social isolation & loneliness



SOLVE for SDG: Scenario Creation, Solution Creation

Promotion of integrated efforts in solving social issues from the creation of scenarios to the creation of solutions, in order to achieve the SDGs



Science of Science, Technology and Innovation Policy

Development of indicators and methodologies to establish evidence-based rational policy making processes

R&D Results 3

Peacetime preparedness that saved countless lives during the Great East Japan Earthquake

Prediction technology Disaster prevention Tsunami Disaster prevention education



Establishing a Foothold for Nationwide Expansion of Tsunami Education Using a Comprehensive Tsunami Disaster Scenario Simulator (2008-2012)

KATADA Toshitaka (Professor Emeritus, Gunma University)

For many years, the project has conducted activities to raise awareness among residents and provided disaster prevention education to elementary and junior high school students, with the goal of building disaster-resistant communities, by deploying the "Comprehensive Tsunami Disaster Scenario Simulator," a tsunami disaster prevention education tool. In Kamaishi City, Iwate Prefecture, the Great East Japan Earthquake triggered a tsunami that exceeded all expectations. However, thanks to regular disaster preparedness education and training, junior high school students calmly led elementary school students in evacuating, ensuring that all students escaped safely.



<https://www.jst.go.jp/ristex/implementation/development/tsunami.html>