



Embassy of Sweden
Tokyo



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MEXT
MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

Program Flyer

Title

Sweden-Japan jointly addressing Societal Challenges:
JST-Vinnova Academia-Industry Co-creation Programme for Innovations
promoting Active and Healthy Ageing

Organized by

Japan Science and Technology Agency (JST)
Sweden's Innovation Agency Vinnova
Embassy of Sweden in Japan

Supported by

Ministry of Education, Culture, Sports, Science and Technology of Japan
(MEXT)
Ministry of Foreign Affairs of Japan (MOFA)
Ministry of Enterprise and Innovation, Sweden

Background

Societal challenges our societies are facing have diverse, intertwined, and internationally common aspects. To solve such complex challenges, innovation induced by a range of stakeholders beyond national borders is needed. Accelerating specific actions to promote such innovation is urgent as there is just over 10 years until the target year of the SDGs.

In this context, ageing society is an acute societal challenge for both Japan and Sweden. Both countries are knowledge intensive, among the top investors in R&D share of GDP, and with high ambitions in innovation. The two countries are common with tackling population ageing societies, while being put under different situations and adopting different models of a welfare state. Japan, amid the rapid boost of ageing, has started introducing assistive technologies in order to create a new market opportunity. Sweden, on the other hand, has long implemented world-leading social welfare policies including human rights, persons with disabilities and immigration, which now are serving as part of the country's basis in dealing with the challenge. Co-creation activities between the two countries with world-leading experience in different models and



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backgrounds in this field are expected to bring forward innovative solutions, with possibility to attract new global markets.

In this view, Japan Science and Technology Agency (JST) and Swedish Innovation Agency Vinnova launched their first international academia-industry program in 2016 in order to achieve innovation for addressing some of these challenges in the ageing societies of both countries. The two agencies run the program for 5 years in total, which consists of 2-year Phase I and 3-year Phase II. The Phase I selected 4 projects, and through a stage-gate evaluation process two of them are continuing in the Phase II, with increased budgets and focus towards implementation.

The academia-industry collaboration between the two countries, which have common challenges yet different social systems is, if it turns out to be viable, expected to provide a new innovation model for contributing to solving also other global challenges.

Objectives

Joined by a wide range of stakeholders in the Japan-Sweden research and innovation partnership, the symposium aims to;

- confirm progress of and learn lessons from the phase 2 funded projects of JST-Vinnova program on ageing society,
- show effectiveness of international academia-industry partnership, designed to achieve innovation for addressing ageing society and other common societal challenges, and to
- share a path towards continuous engagement in Japan-Sweden research and innovation cooperation.

Concept and Scope of the JST-Vinnova Program on Ageing Society

The program establishes international academia-industry partnerships in order to foster innovative solutions for challenges within ageing society, which are applicable in different international environments.

Phase I assessed innovativeness and effectiveness of envisioned solutions by



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bringing forward novel ideas and integrating technologies, knowledge and know-how of firms, researchers and other stakeholders in Japan and Sweden, which have common challenges but different social systems. Phase II verifies how the assessed solutions and innovations would function in a real ageing society in both the countries.

Outcome of the program is expected to create business opportunities in not only the two countries, but also other countries and regions where need for solutions for ageing societies is rising. Also, if this first joint approach to seek innovative solutions applicable to different social systems turns out to be viable, the program would provide an example of an innovation model to address also other common global challenges.



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Agenda

16:00 - Opening remarks

H.E. Mr. Pereric HÖGBERG, Ambassador, The Embassy of Sweden in Japan

16:05 – Policy speech I

Dr. KAJIWARA Susumu, Deputy Director-General, Science and Technology Policy Bureau, MEXT

Mr. Carl Rosén, Director-General, Ministry for Enterprise and Innovation. Sweden

16:15 – Introduction

Dr. GOTO Yoshikazu, Program Officer, JST

16:25 – Project presentations

Solutions for independence and social participation of active, pre-frail and frail seniors by innovative food and monitoring technology systems combining with physical exercise and program

Dr. Mats STADING, Professor, Agrifood and Bioscience, Research Institutes of Sweden (RISE)

Dr. MATSUO Koichiro, Professor, Department of Dentistry and Oral-Maxillofacial Surgery, Fujita Health University

Continuous health status monitoring of elderly people using flexible skin patch sensors

Dr. Magnus BERGGREN, Professor, Linköping University

Dr. SOMEYA Takao, Dean, Faculty of Engineering, The University of Tokyo

17:05 – Policy speech II

Dr. MATSUMOTO Yoichiro, Science and Technology Advisor to the Minister for Foreign Affairs

17:10 – Panel Session

Theme 1: Innovation for ageing society

(Moderator)

Dr. GOTO Yoshikazu, Program Officer, JST

(Panelists)



Dr. Mats STADING, Professor, Research Institutes of Sweden
Dr. MATSUO Koichiro, Professor, Fujita Health University
Dr. Magnus BERGGREN, Professor, Linköping University
Dr. SOMEYA Takao, Dean, Faculty of Engineering, The University of Tokyo

Theme 2: Japan-Sweden collaboration in the future

(Moderator)

Dr. Michael JACOB, Counsellor, The Embassy of Sweden in Japan

(Panelists)

Ms. Darja Isaksson, Director General, Vinnova

Professor Sylvia Schwaag Serger, Deputy Vice-Chancellor Lund University and member of the Prime Minister's Innovation Council

Dr. KAJIWARA Susumu, Deputy Director-General, Science and Technology Policy Bureau, MEXT

Dr. MATSUMOTO Yoichiro, Science and Technology Advisor to the Minister for Foreign Affairs

18:00 – Summary

Panel Moderators

18:05 – 18:10

Ms. SHIROKIZAWA Yoshiko, Vice President, Japan Science and Technology Agency

Language: English