

Open Innovation and Future Collaboration with ASEAN Countries

ASEAN-Japan Collaboration on Bioeconomy and Circular Economy

19th-November-2020

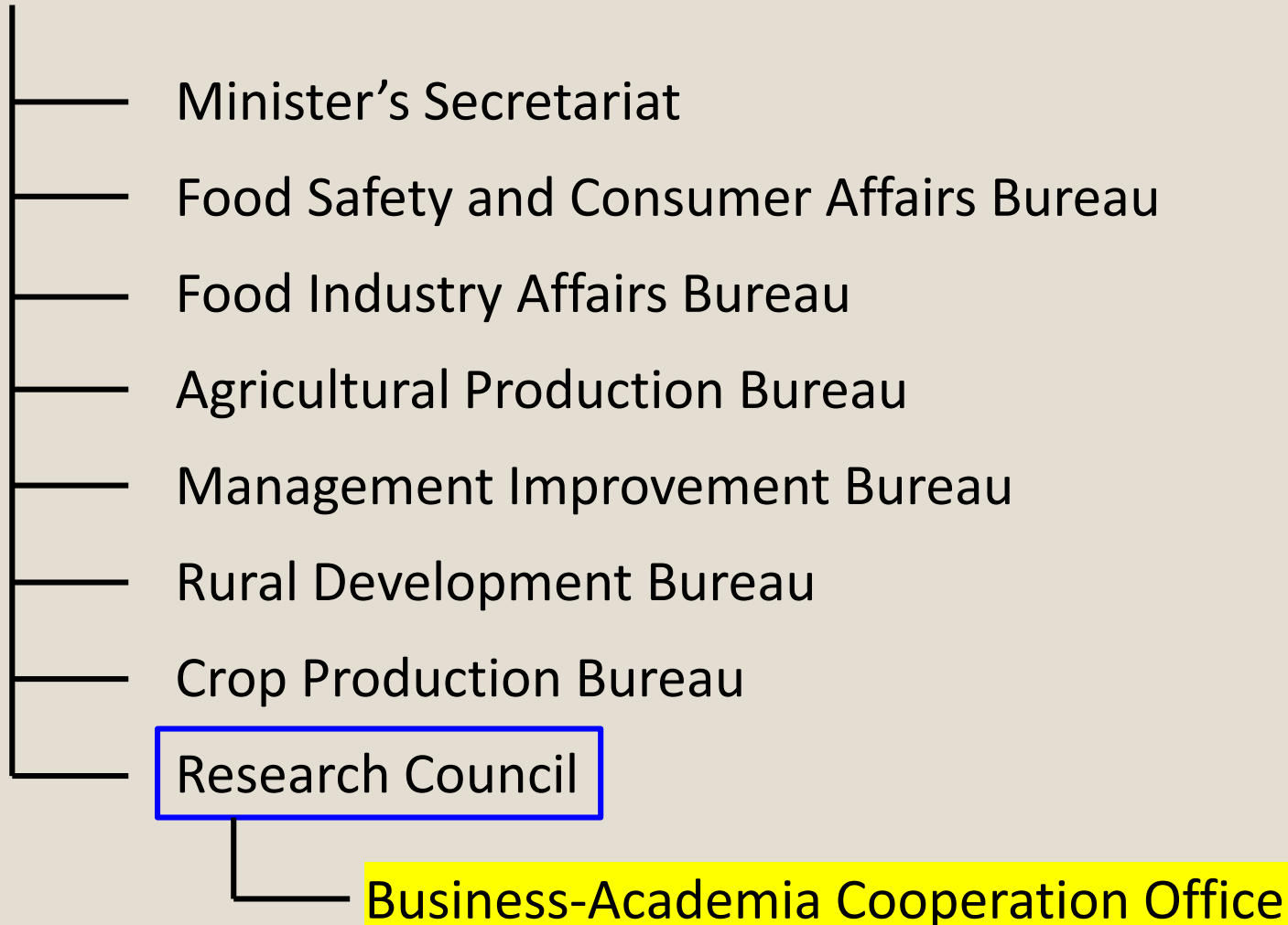
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Business-Academia Cooperation Office

Ministry of Agriculture, Forestry and Fisheries, JAPAN

Organization Chart

Ministry of Agriculture, Forestry and Fisheries (MAFF)



Why we need Open Innovation?

Typical Collaboration

Inland Vannamee Shrimp Farming



Government Research Institution



Fisheries Company

Collaboration with other industry

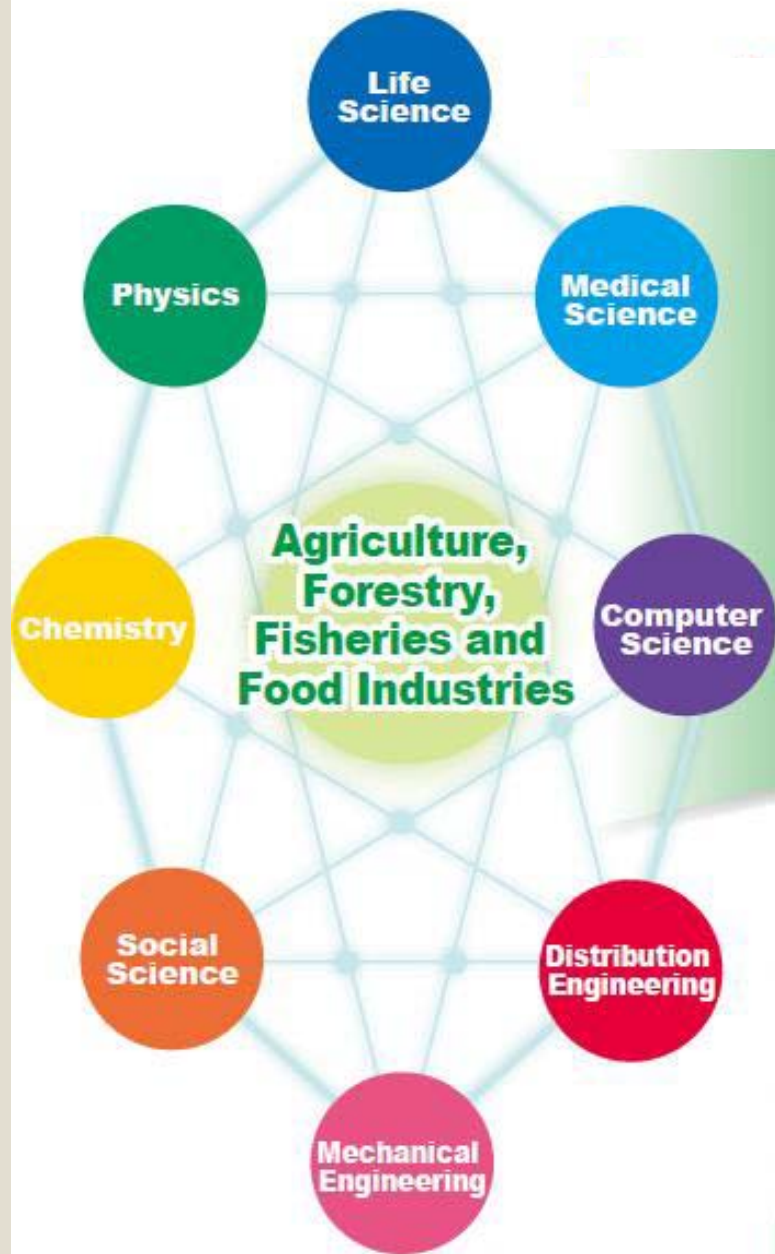
Sake Brewing with IT Technology



Japanese Sake Breweries



IT Company



Involving Various Industries



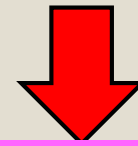
Exchanging ideas for possible future collaboration



Research Group



Research Project

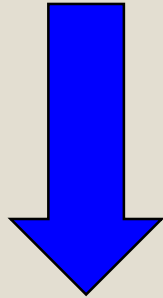


Activate Agriculture, Forestry, Fisheries and Food Industries

FKII's Activities

Phase I (2016-2021)

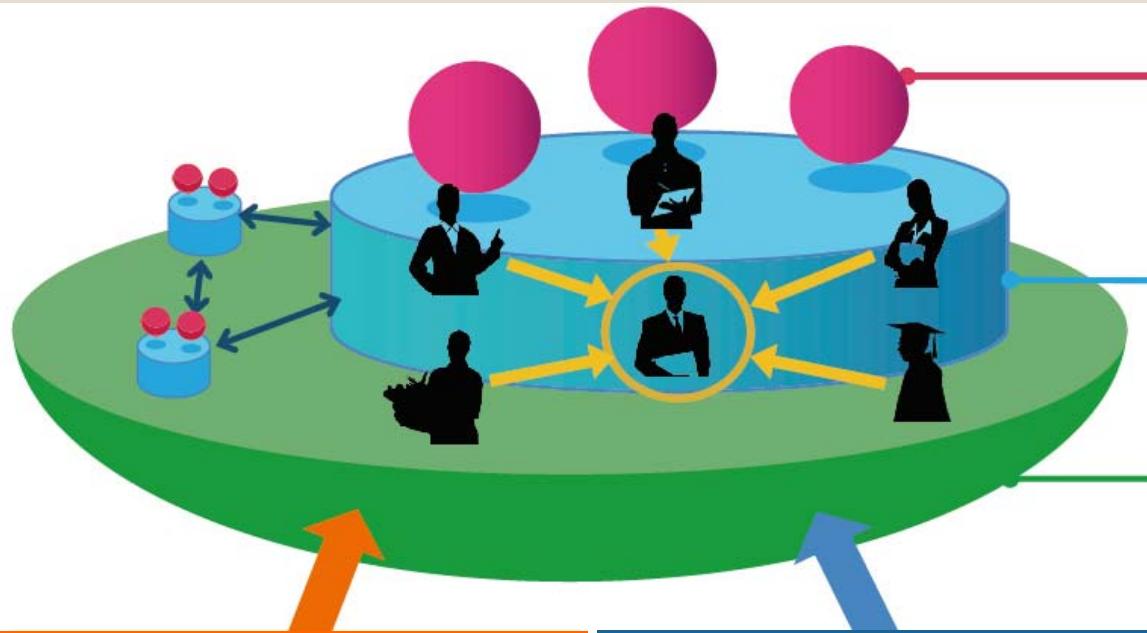
- 1) Organized new Research Groups
- 2) Conducted Research Projects



Research Outcomes
Technologies developed

Phase II (2021-2026)

- 1) Start-up
- 2) Smart Agriculture
- 3) International Activities



③ Research Consortium

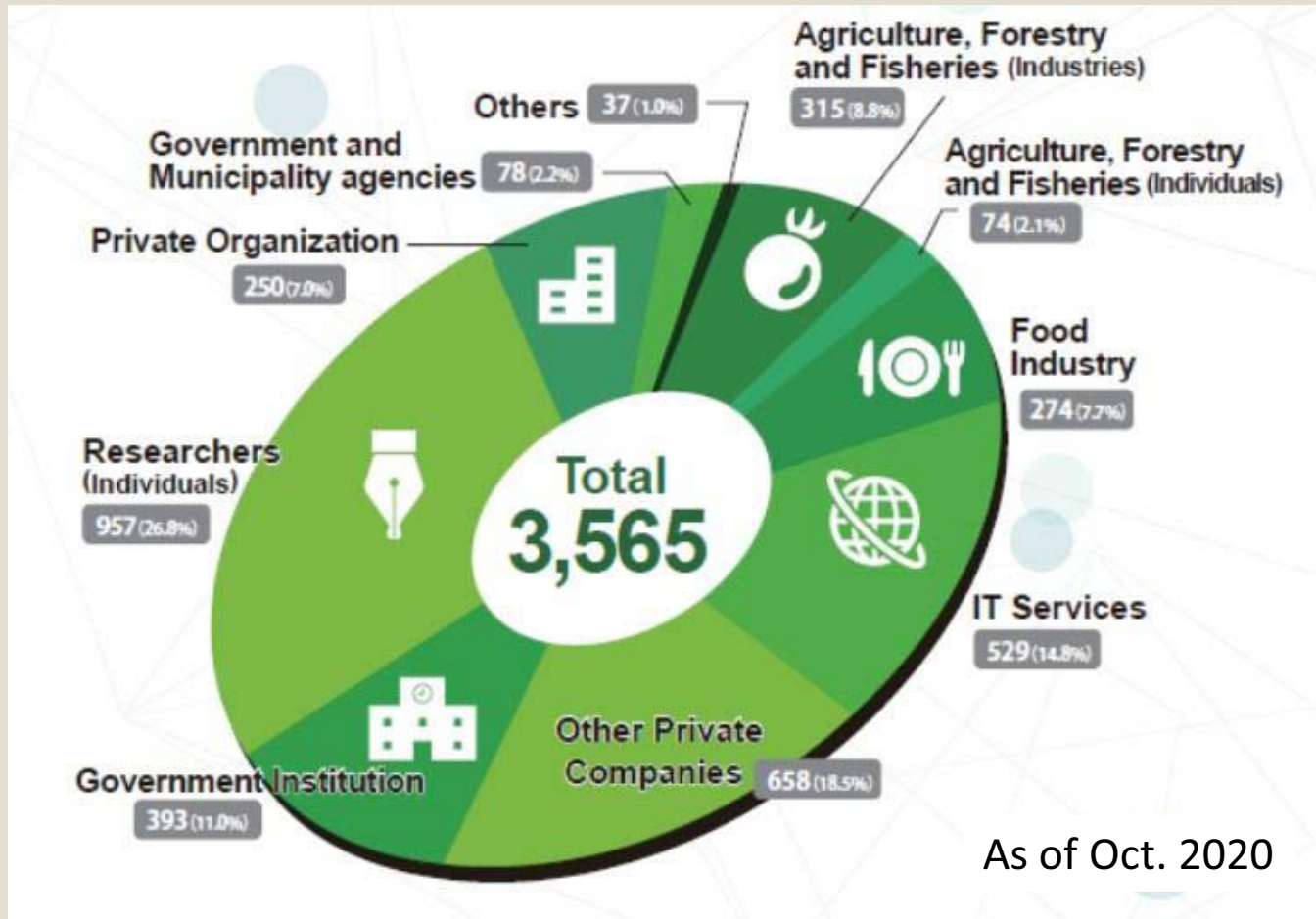
② R&D Platforms

① Council of Industry-Academia-Government Collaboration

Agriculture, Forestry,
Fisheries and Food Industries

Other Industries

Membership Composition

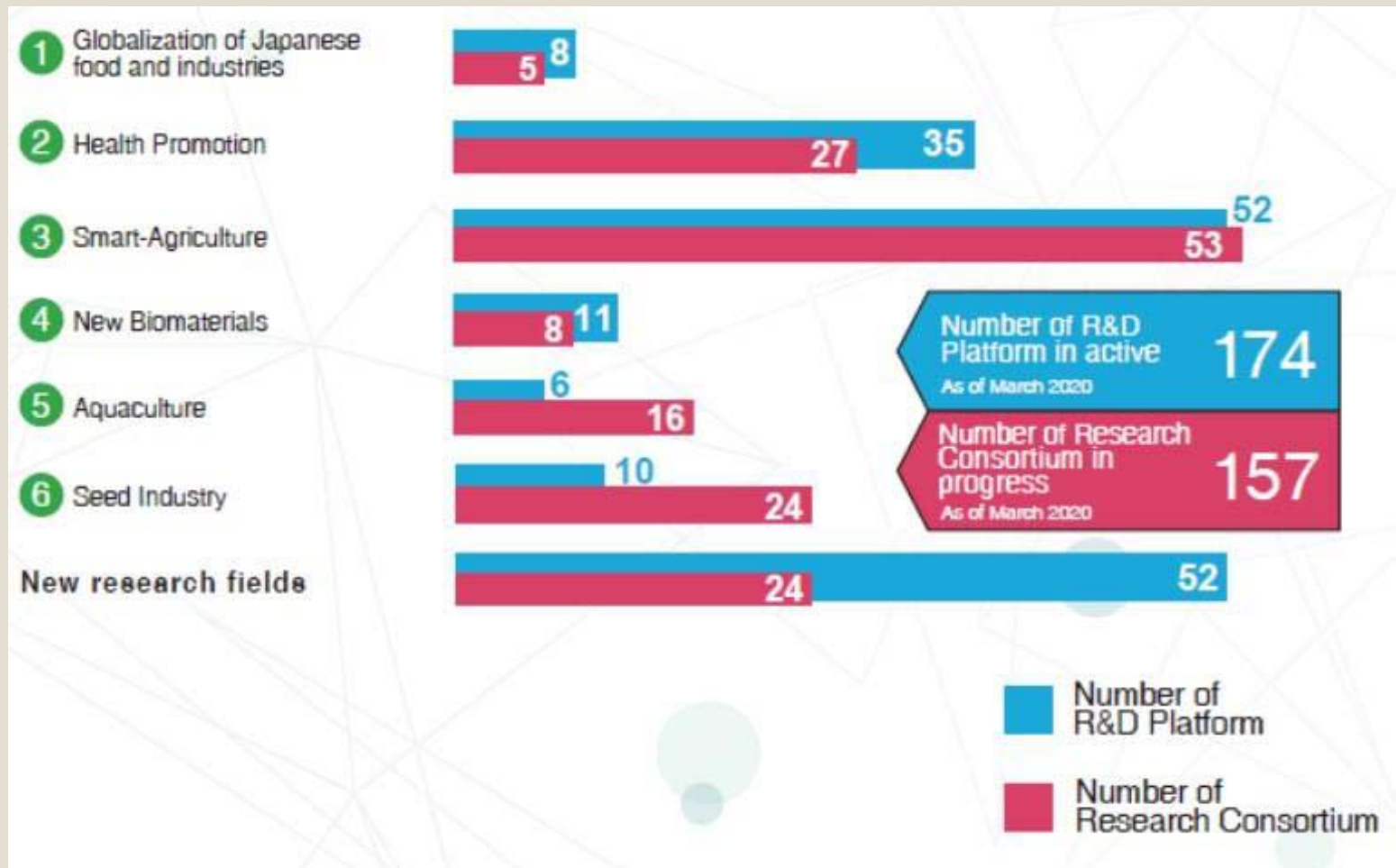


Free Membership
No Commitment required

List of Embassies in Tokyo joined FKII

- Singapore
- Thailand
- Indonesia
- Philippines
- India
- Timor-Leste
- Hungary
- Netherland
- Panama

Research Field Currently Encouraged



Future Collaboration with ASEAN Countries

Joint Matching Seminar



Organizers



National University of Singapore-Food Science & Technology
Council of Industry-Academia-Government Collaboration Japan

International Joint Matching Event on

AGRICULTURE, FORESTRY & FISHERIES



Date: 28th February 2020, 9:30am-1:30pm
Venue: S16-03-09, Faculty of Science, National University of Singapore
Registration Fee: FREE

COUNCIL OF INDUSTRY-ACADEMIA-GOVERNMENT COLLABORATION

Launched in April 2016 in Japan to encourage the networking and collaboration among various industries and fields to strengthen agriculture, forestry, fisheries and food industries. International collaboration is now expected to develop the technologies and products further.

PROGRAM HIGHLIGHTS

- Exchanging Ideas for Possible Future Collaboration Between Singapore and Japan
- Function of Agricultural Products in Human Health
- Advanced Technologies on Fibers Derived from Wood
- Novel Technologies in Marine and Inland Aquaculture System

WHO SHOULD ATTEND

- Government and academic representatives involved in research collaboration
- Relevant industries and stakeholders interested in agriculture, forestry and fisheries topics.
- Scientists related to the topic
- Startup and venture companies seeking international collaboration

- Discuss possible future collaboration between two countries.
- Scientists from Japan and SG have presentation.
- Networking

On-site Meeting preferred.

SG: Postponed due to COVID19
TH: To be Scheduled

Mini Seminar at Embassy in Tokyo



- 17-Nov.
Indonesia Embassy
- To be scheduled
Brunei Darussalam Embassy

Bidirectional Relationship

JAPAN

ASEAN Countries

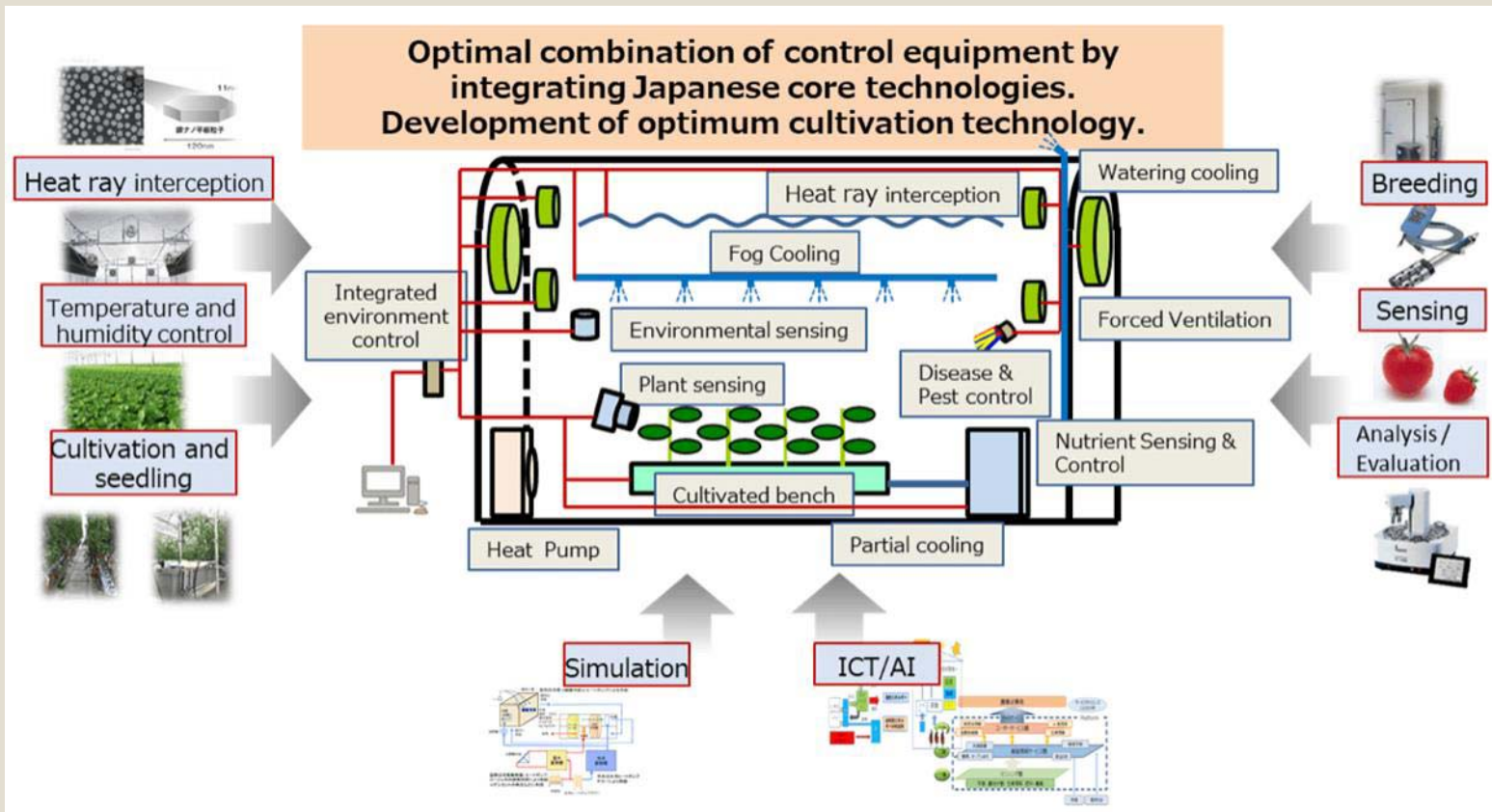
Technology developed under FKII

Challenges Facing

Scientific Contribution

Improve/Modify the technology together under collaboration

Development of plant factory system of Asian monsoon model



Member:
Mitsubishi Chemical,
Panasonic, Fujifilm,
Univ. of Tokyo, etc.

Ambassador visits to research site developed under FKII

Ambassador of Timor-Leste to Japan paid his visit to the plant factory developed under FKII



Development of Large-Scale Marine Aquaculture System

- Expansion of Feeding Area
- Mass Production
- Labor Saving
- Less Impact on Marine Environment



Automatic Feed System

Large Scale Submersible Cage

Member:
Nippon Steel Engineering,
Nippon Suisan
Univ. of Tokyo, etc.

INQUIRIES/FKII MEMBERSHIP
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FKII Website

<https://www.knowledge.maff.go.jp/en/fkii.html>