

Exchange of MOU between National Agricultural Research Institutions in Japan and Israel

Joint Research Concept

Stable water supply is essential for sustainable crop production

【Japanese side】

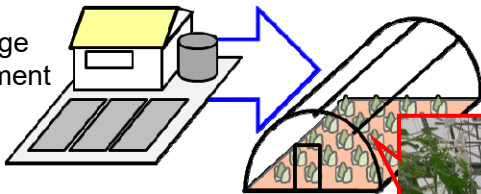
National Agriculture and Food Research Organization (NARO):
Institute of Vegetable and Floricultural Science, Institute for Rural Engineering



【Israeli side】

Agricultural Research Organization (ARO) :
Institute of Soil, Water, and Environmental Sciences

Rural sewage treatment plant



Membrane processing technologies to supply safe reclaimed water for agriculture

Bio-sensing technologies



Sustainable crop production by reclaimed water

【Advance in Japan】
Rural Sewage Treatment
Bio-sensing Technologies

【Advance in Israel】
Use of Reclaimed Water
Simulation of Water-nutrient Dynamics

Prospected Outcome

Establishment and improvement of water-reuse technologies for sustainable horticulture production in rural area on unstable water resources