Session Ⅰ Lecture 1-1

NARO's Smart Agriculture– ICT, Robotics, and AI Technologies

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Summary

In the lecture on "NARO's Smart Agriculture–ICT, Robotics, and AI Technologies", the expectations for smart agriculture using ICT, robotics, and AI technologies in Japan will be addressed. In particular, it will throw light on smart farming in Japan. Smart technologies from the project research in NARO that are effective in both farm management and sustainable production will be explained.

Finally, it will focus on the introduced technologies that is expected to achieve both high productivity and reduction of agricultural chemicals usage such as pesticides and fertilizers.