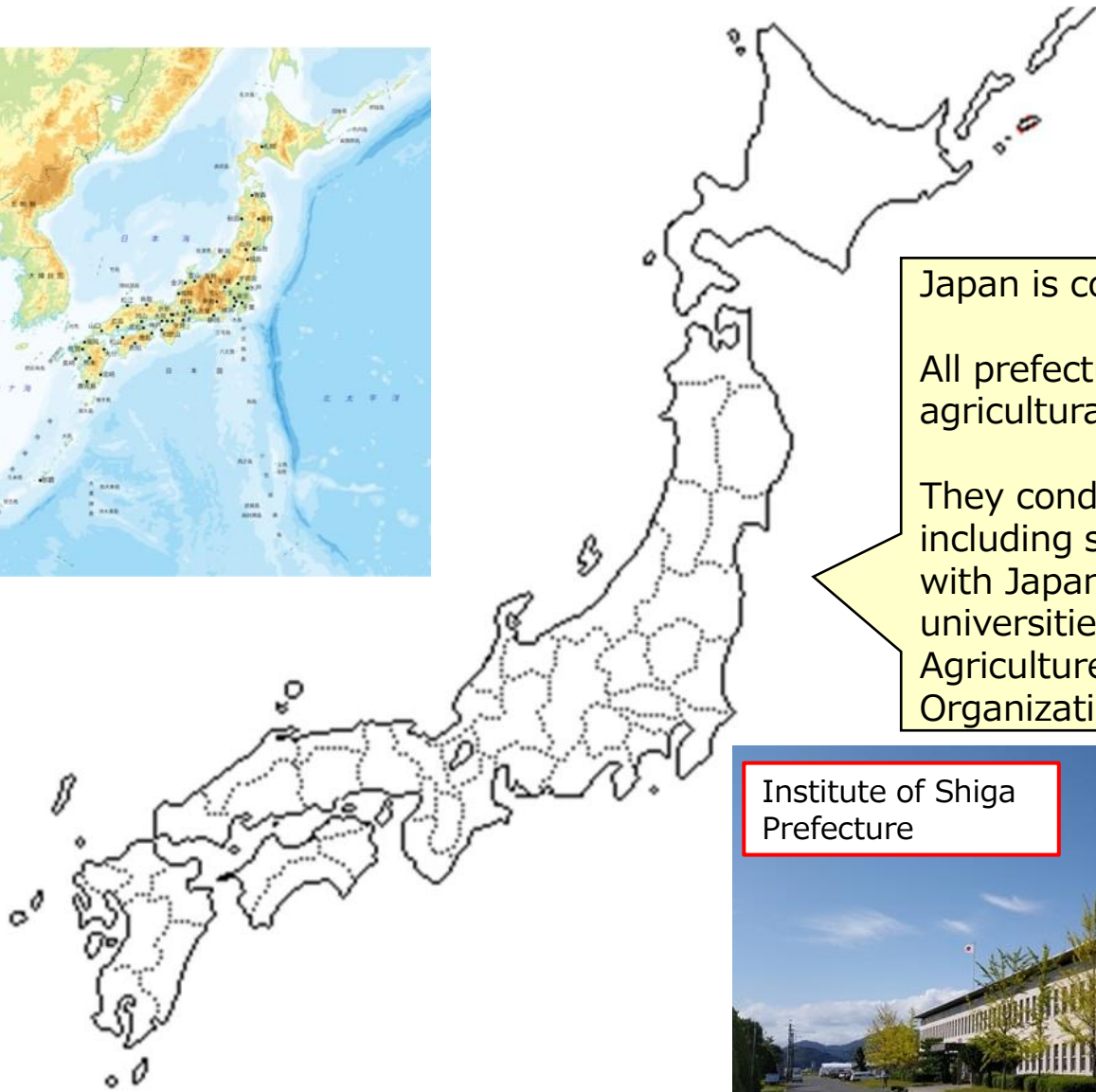


Research institutes for study on local agriculture in Japan



Japan is composed of 47 prefectures.

All prefectures have its own agricultural research institutes.

They conduct agricultural research, including soil survey, in corporation with Japanese government, universities, and NARO (National Agriculture and Food Research Organization).

Institute of Shiga
Prefecture



Soil monitoring survey in farmers' fields

Number of monitoring points in 2020 is **around 3,500** across Japan. 1/4 of total is surveyed in each year (4-year cycle). Soil properties, crop yield and management are surveyed.



A monitoring point in a citrus orchard in Nagasaki Prefecture

Long-term field experiment

71 fields, 316 plots (total) in prefectural institutes across Japan in 2020. Soil properties and crop yield is investigated every year.

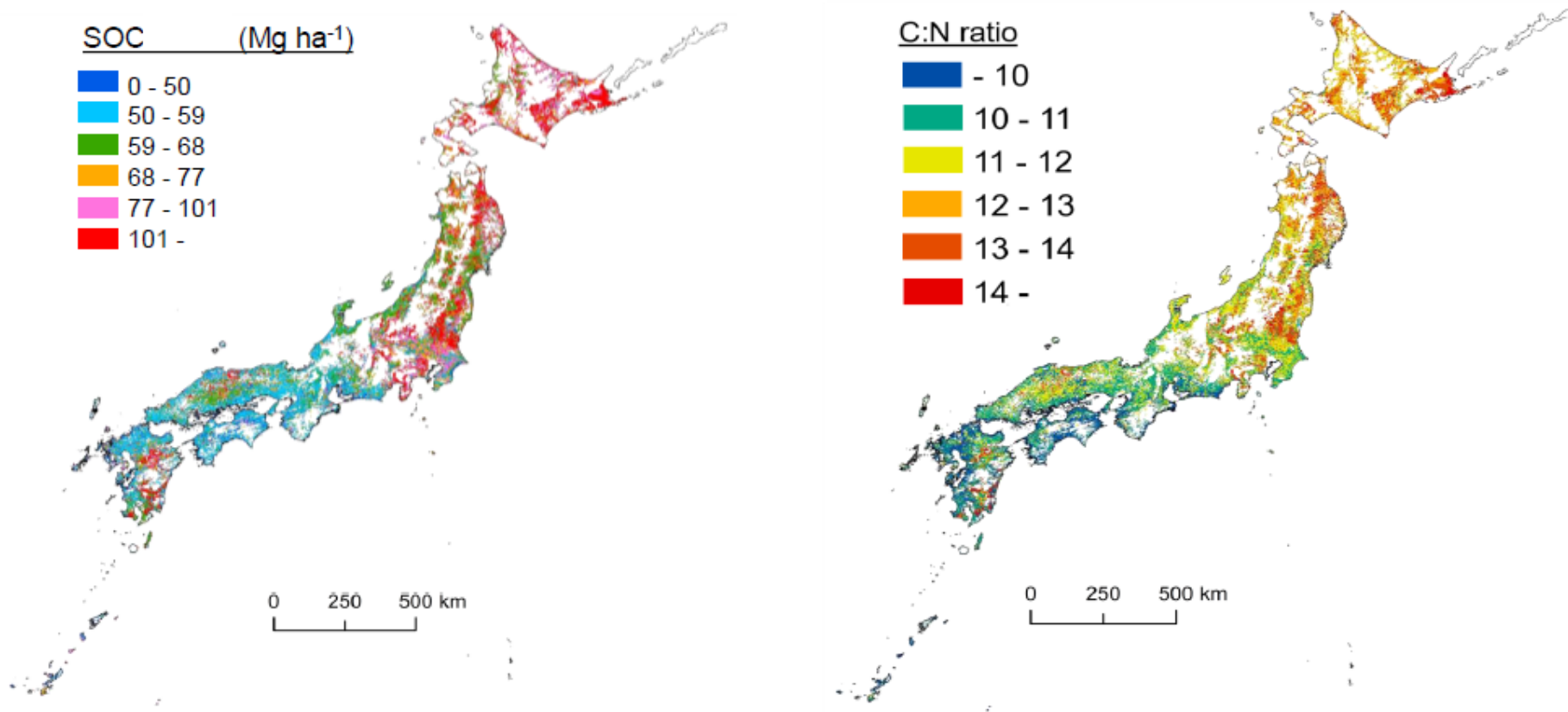


Saga Prefecture Agricultural Research Center

Treatment in this paddy field (Since 1976) :

- Chemical fertilizer only
- Rice straw (small amount)
- Wheat straw
- Rice straw (large amount)
- Rice straw compost

Estimated SOC and C:N ratio in Japanese cultivated fields



Matsui et al. 2021. Soil carbon and nitrogen stock of the Japanese agricultural land estimated by the national soil monitoring database (2015–2018). *Soil Science and Plant Nutrition*, **67**, 633-642. doi.org/10.1080/00380768.2021.2000324