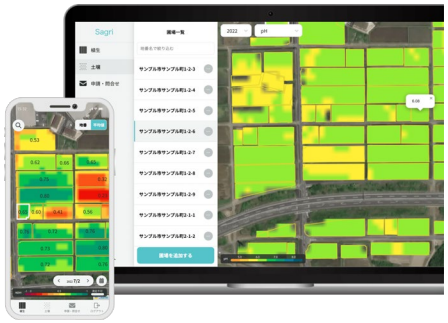
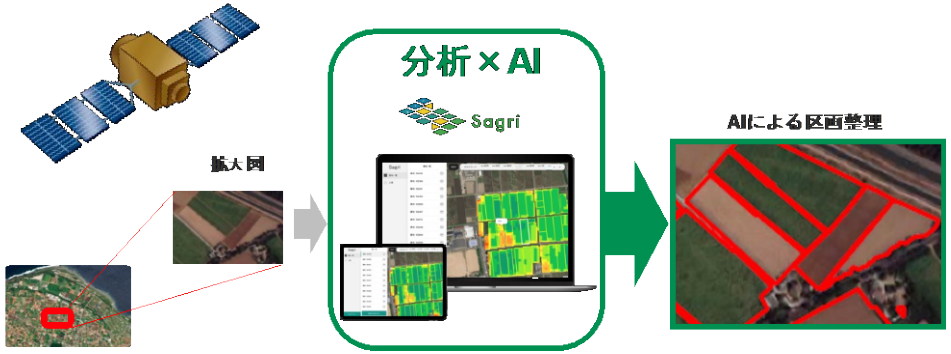
Soil Analysis Technology and Automatic Polygon Technology for Agricultural Land Utilizing Satellite Data

・A service that enables the wide-area analysis of the growth conditions and soil chemistry of farmland using satellite data.
・AI technology that automatically generates farmland polygon (digital farmland maps) from satellite data (AI Polygon).
・Applications of agricultural digitization and satellite analysis technology for decarbonized agriculture.

Company name	Sagri Co., Ltd
Service Overview	This service uses satellite data to conduct high-precision, multi-parameter analysis of soil chemical indicators across wide agricultural areas, enabling the creation of digital farmland maps even in regions where traditional maps are not available. By applying these technologies, it becomes possible to evaluate agricultural activities on a large scale, supporting farmers and society in determining the optimal farming practices. For example, by analyzing extensive farmland with satellite data, it is also possible to relatively assess the potential greenhouse gas (GHG) emissions from the farmland.
User	・Farmers ・Operators managing large agricultural areas in remote locations, such as overseas
Satellite	・Sentinel-2 ・WorldView-3 ・Planet et al.
URL	https://sagri.tokyo/sagri/



出所） サグリ株式会社HPより



出所）当社作成