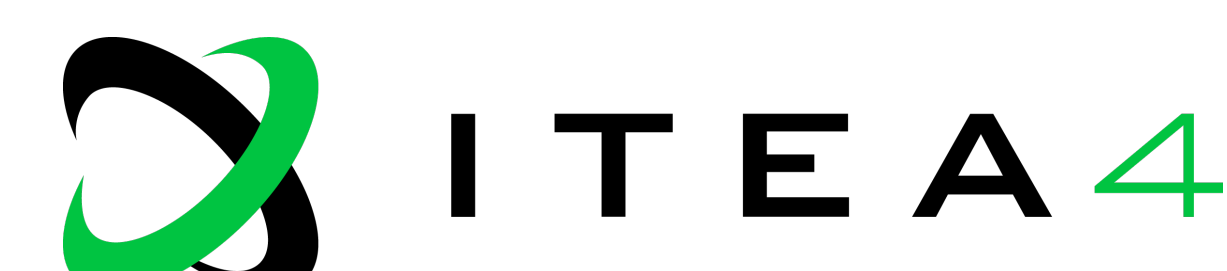




A Joint AI Call 2021 project

Deep4sat43



A new level of agricultural monitoring and control

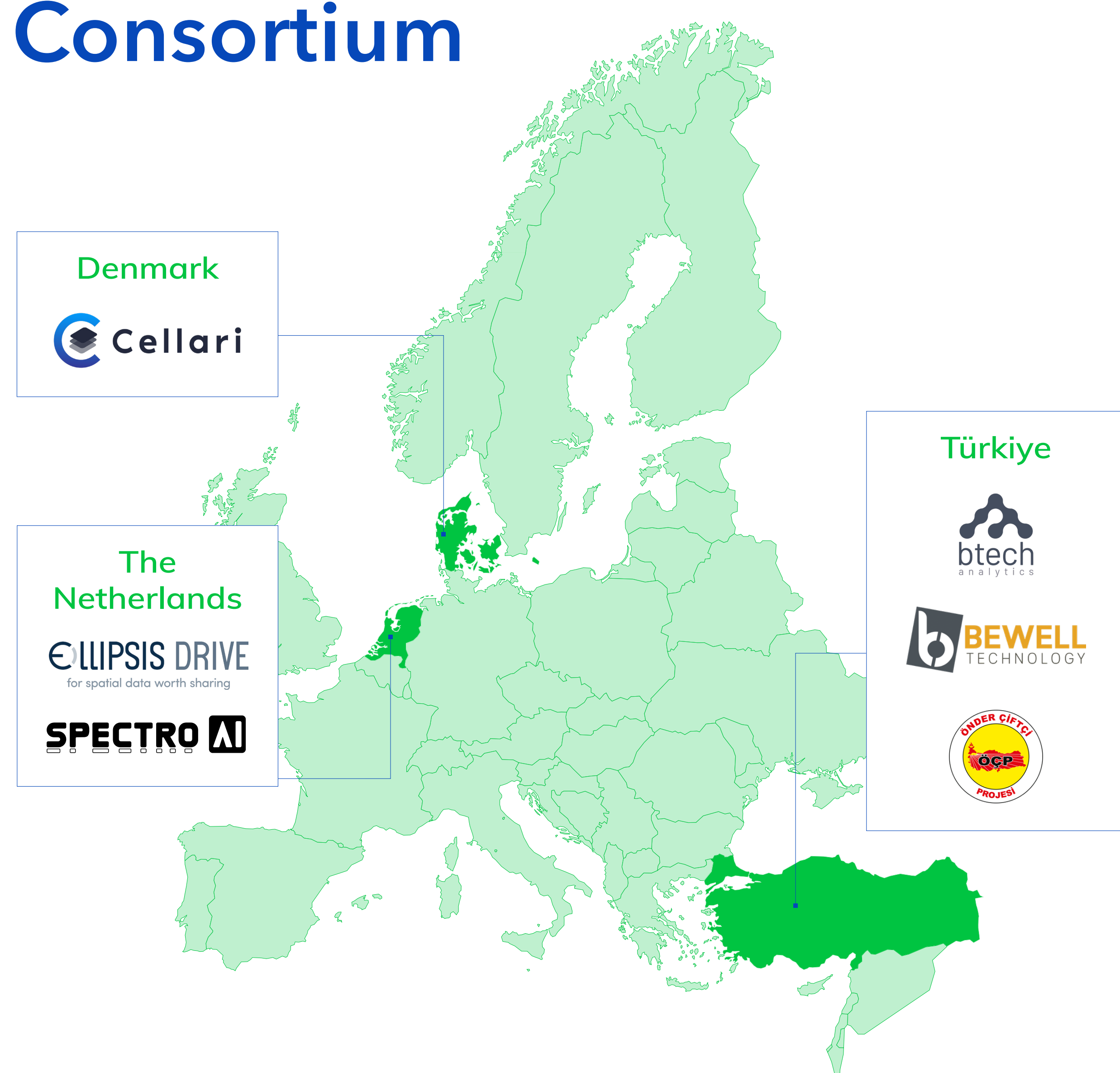
Project summary

The AI Call 2021 project Deep4sat43 (Geo-AI Ecosystem for tree (43) health inspection and early warning) will utilise deep learning (DL) algorithms in a Software as a Service (SaaS) that allows for the monitoring of plant diseases and invasive species among individual trees.

Project duration

July 2022 – June 2025

Consortium



Key results / Unique advantages

- > AI-driven satellite data fusion enabling faster and more accurate insights for smart communities and critical decision-making
- > End-to-end semi-real-time processing pipeline that reduces reliance on cloud services by providing secure, local, and scalable solutions
- > Customizable modules for diverse domains (e.g., agriculture, maritime, disaster response), ensuring flexibility and wide applicability
- > Enhanced data reliability and efficiency through automation, interoperability, and seamless integration with existing systems

Advanced satellite technology for enhancing forest health



Project webpage



SCAN ME

Brochure



SCAN ME

<https://deep4sat43.com/>



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