

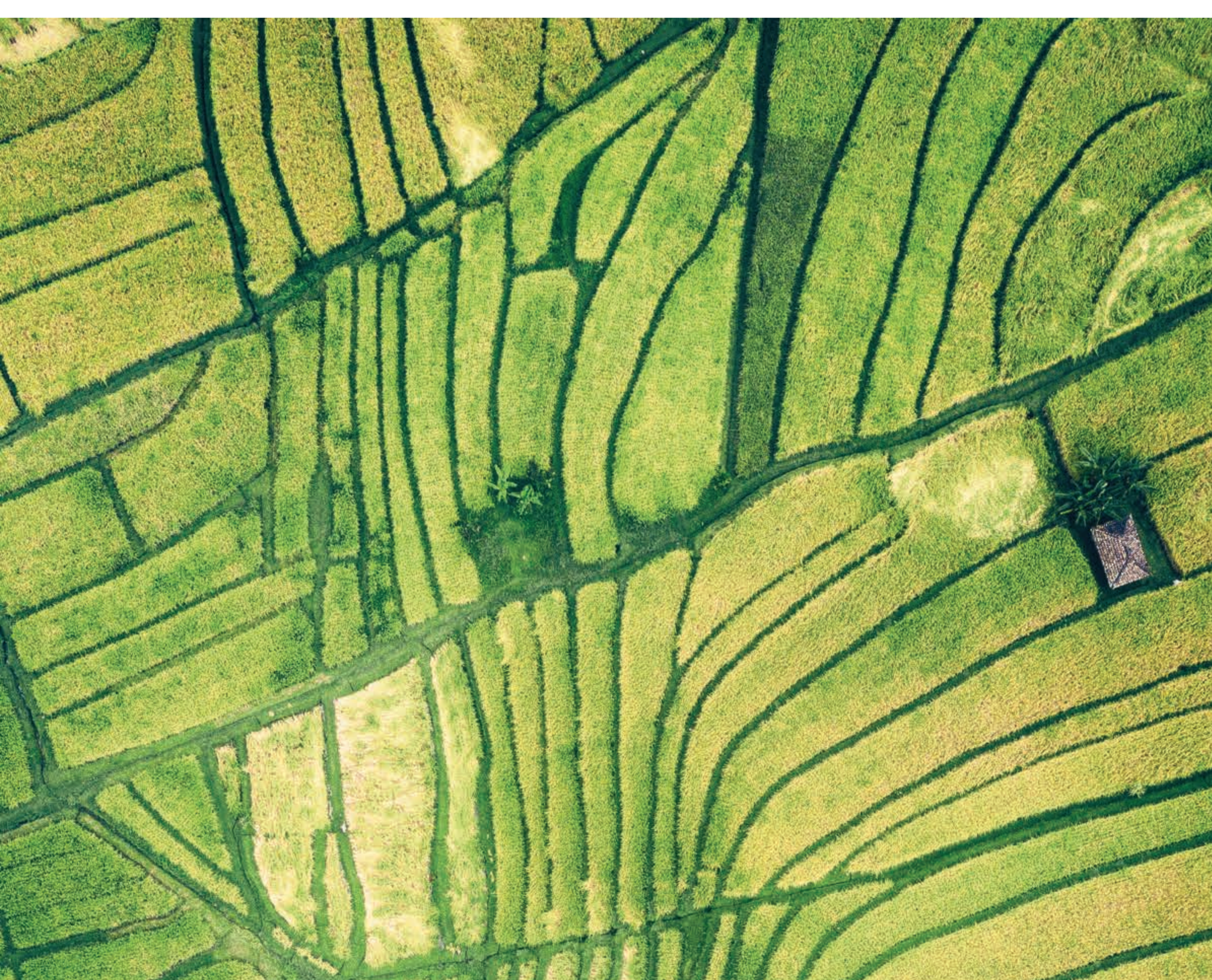


PestNu is a three – year project that aims to revolutionise technology and farming practice in order to reduce nutrient loss, pollution and increase food affordability for all.

The project uses systemic innovation novel Digital and Space-based technologies (DST) along with Agro-ecological and Organic practices (AOP), to systematically approach circular economy food production, aquaponics, closed/ semi-closed hydroponic greenhouses and open-field vegetable cultivation. PestNu works under varying conditions, soils and crops, including tomato, pepper and cucumber.

INNOVATIVE TECHNOLOGIES

- AI robotic traps for real time pest monitoring
- AI satellite imaging for agricultural monitoring
- Autonomous robots for pesticide monitoring and 3D spot spraying
- Real time digital nutrient analysers
- Automated circular economy system for agro-waste water treatment



- Microalgae based biofertilizer production from organic waste streams
- Biopesticides for vegetable disease management and nutritional programmes in organic farming
- Decision support farm management systems
- Blockchain for data evidence and integrity
- User interface with AI and data analytics pipelines for decision support

To get involved with the project or learn more about the technology, connect with us

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