Synature

Helping animals & humans thrive together

In a nutshell

At Synature, we are developing AI-powered bioacoustics technology to assess the biodiversity of reforestation projects. Through a network of smart microphones, we monitor evolving ecosystem diversity, enabling transparent evaluation of reforestation effectiveness.

Our bioacoustics technology aims to improve remote biodiversity monitoring and conservation. With worldwide biodiversity loss accelerating, our technology addresses a crucial need for continuous, non-invasive tracking of fragile ecosystems. Our hardware-software platform supplies a scalable solution that meets UN Sustainable Development Goals 12, 13, 15 and 17.

Why is our technology important?

Biodiversity loss is a critical threat that reforestation projects aim to address, yet nearly half of these initiatives currently fail. This is often due to insufficient transparency and scalable monitoring. Synature closes this gap by offering a non-invasive, cost-effective bioacoustics solution for continuous, large-scale habitat assessment. Our technology provides comprehensive biodiversity insights to support successful restoration. It can be combined with complementary monitoring solutions for a holistic view of ecosystem health across reforestation project.

As emerging regulations call for enhanced biodiversity disclosures worldwide, our solution also equips corporates and financial institutions with the verified data needed to meet disclosure requirements. By generating live status updates on biodiversity health, we aim to drive informed conservation policies and responsible ecosystem management.

The benefits of our solution

By recording animal vocalizations, our technology platforms supply verified biodiversity insights without disturbing natural habitats. This enables transparent evaluation of restoration initiatives to meet emerging biodiversity disclosure regulations. Our solution is scalable, affordable and can display real-time data - key advantages over existing biodiversity tracking methods. After successfully monitoring wolves in Switzerland, we are now expanding our capabilities to cover whole ecosystems through an AI-driven approach.

Keywords

Artificial Intelligence, Hardware, SaaS platform, Biodiversity, Conservation Technology, Sustainability

Founding Team

Olivier Stähli, CEO – EPFL graduate with a passion for wildlife photography

Noah Schmid, CTO – ETHZ student with +10 years of coding experience

Miya Ferrisse, COO – EPFL graduate with a passion for the tech start-up ecosystem

Adrian Jörg, Chief of AI – University of Bern student with +10 years of coding experience

Get in touch
We'd love to speak to you more about our project.
You can book some time with us here: miya@synature.ch