Synature

Measuring the Heartbeat of Ecosystems

In a nutshell

At Synature, we are developing AI-powered bioacoustics technology to quantify biodiversity. Through smart microphones, we monitor evolving ecosystems, enabling transparent evaluation of human influence in nature (conservation, restoration, agroforestry, agriculture, construction). Our bioacoustics technology aims to improve remote biodiversity monitoring. We offer a hardware part (smart microphone) that transfers audio data from the field to our SaaS platform in near-real-time.

Why is our technology important?

We address the threat of biodiversity collapse. According to WWF, 1 million species could face extinction. This led to frameworks and guidelines (TNFD, SBTN, CSRD) that require governments and organisations to conduct biodiversity reporting. They know that they have to do it but don't know how. Currently there is a lack of scalable, standardised nature tech solutions in the market. Synature closes this gap by offering a non-invasive, cost-effective bioacoustics solution for continuous, large-scale habitat assessment. 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 platform supplies biodiversity insights without disturbing natural habitats. This enables transparent evaluation of nature interventions 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. Our hardware-software platform supplies a scalable solution that contributes to the UN Sustainable Development Goals 12, 13, 15 and 17.

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

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startup launchpad

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