Triumphs and challenges: how we found the rhythm of growth

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Scientific and technological expertise

The way we produce food, and how we use and maintain natural resources is the same way nature gives us back and affects our health. According to Food and Agriculture Organization data, over 3 million tons of pesticides were used in 2021 in the world.

Long-term pesticide exposure can contribute to the development of various chronic diseases. And we know that 83% of agricultural soils tested in 2019 contained pesticide residues.

This underlines the importance of sustainable and precision agricultural practices.

CubexLab has successful and proven work through various projects in the past years which has empowered us to invest in development and produce innovative technological solutions.

In addition to the commercial projects that we are developing, with full focus on our unique AgroSpace project - Precision Farming Platform with built-in unique AI prediction model, we are involved in several projects covered by the European Commission under the Europe Horizon program for research and innovation.

Our main activity is in the clusters related to Climate, Health, and Ocean, where we also work on the development of innovative technology and software solutions.

Triumphs and challenges

Observing the lifetime of projects under the patronage of EU Horizon, especially R&D projects, over the years, we have noticed that after the termination of a project, big number of them lose their original mission and often fall into oblivion.

This leads us to the conclusion that the years, time, energy, and budget invested in them are in the end spent in vain.

We would like the project coming from EU Horizon to continue to serve not only commercial but its academic purposes. Data collected polices made, and platforms developed continue to contribute to the open science as well as public service.

Possible solution- integration of small startups with academic institutions that possess knowledge
Knowledge is a significant thing. To provide knowledge on a certain level, universities often spend a lot of time developing technologies, preforming R&D, which slows them down in their scientific discoveries.

To make it easier for scientists and free them to engage in scientific work instead of finding solutions for technological issues they face, we see solutions coming from cooperation between small startups that have developed technology and academic institutions that will use that technology in the right way.

Having open data, modular platforms, and open policies is something we would all benefit from.
This type of initiative is something we would like to see under EU Horizon programs.
Our current and previous experience in research projects comes specifically from the Europe Horizon program.

We are actively involved in several projects in the Climate and Ocean cluster, and as a highly qualified technology startup partner, we actively participate in data collection and processing, visualization, development of infrastructure for the platforms, development of IoT devices, AI models validation, management of project tasks and writing of project documentation.

We currently operate in the Netherlands, Hungary, Finland, and Serbia, and in the coming period, we will start our operations in Croatia.
And all with one goal: to go toward zero pollution.

Partnership

Considering that we have already cooperated and had mutual benefits continued cooperation with academics would contribute even more to R&D. Since we are unique in the market by providing accurate information, we are looking for partners with knowledge in the field of agriculture, as well as mathematicians capable of turning the provided information into high-accuracy models.

We're taking a course toward sustainable development, closely linked to agriculture, and food production in which we will use natural resources that will be favorable for the environment and a supply chain that will reduce the emission of harmful gasses. Those are the sectors where we see our future, pioneering ongoing research for continuous innovation.

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Thank you!

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