

GOhydro – A smart-sensing AI-driven platform for scalable, low-cost hydroponic units

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Knowledge Incubator Training Workshop
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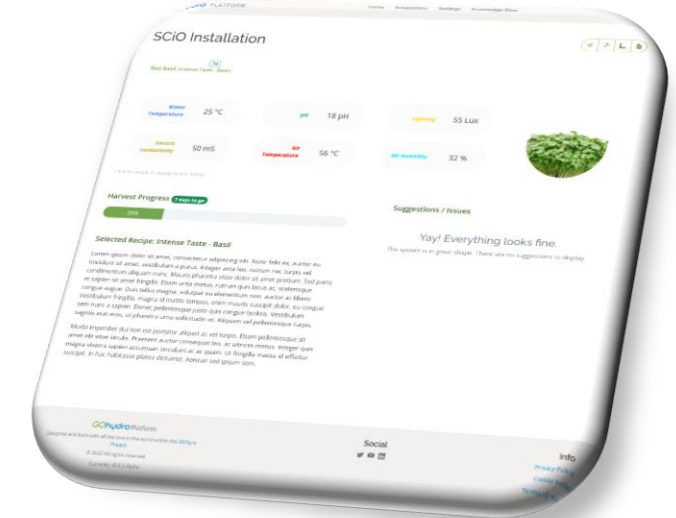


Few words about our project...

- GOhydro developed a low-cost, DIY sensor kit, equipped with various sensors for monitoring the cultivation and empowered by tailored AI technologies for guiding optimised plant growth
- The real value comes from the informed analysis of the collected data and the provision of clear guidelines for the growers to treat their cultivation via the GOhydro mobile app



DIY sensor kit



Mobile app

Knowledge Incubator (KI) Innovations

- We proposed 5 innovations from our work to KI. These were related to individual outcomes of each partner, as well as the collective results of the project:
 1. An innovation about the full GOhydro platform (sensor kit and the mobile app) – <https://ictagrifood.eu/node/45069>
 2. An innovation about “climate recipes”, i.e., instructions for optimising cultivation and coming up with sufficient and nutritional yield” - <https://ictagrifood.eu/node/45086>
 3. An innovation about the flexible implementation of the GOhydro mobile app that could be applied also in other IoT based Agricultural Systems - <https://ictagrifood.eu/node/45097>
 4. An innovation about the experimentation protocol for testing the climate recipes in growth chambers, as well as controlled and uncontrolled living spaces - <https://ictagrifood.eu/node/45060>
 5. An innovation about Immersible Photonic Sensors that can identify microgreens nutrient content (phenolic content and anti-oxidant activity) - <https://ictagrifood.eu/node/45132>

Knowledge Incubator Future Suggestions

- Incubation programmes in collaboration with mentors / experts from the industry to facilitate mature innovations to turn into new start-ups
- Organisation of competitive challenges in collaboration with industrial partners, offering money prizes for using and adapting the innovations to solve specific industry problems.



LET'S KEEP IN TOUCH!

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Thank you for your attention!