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Designing the role of Tacit Knowledge on Open Agriculture

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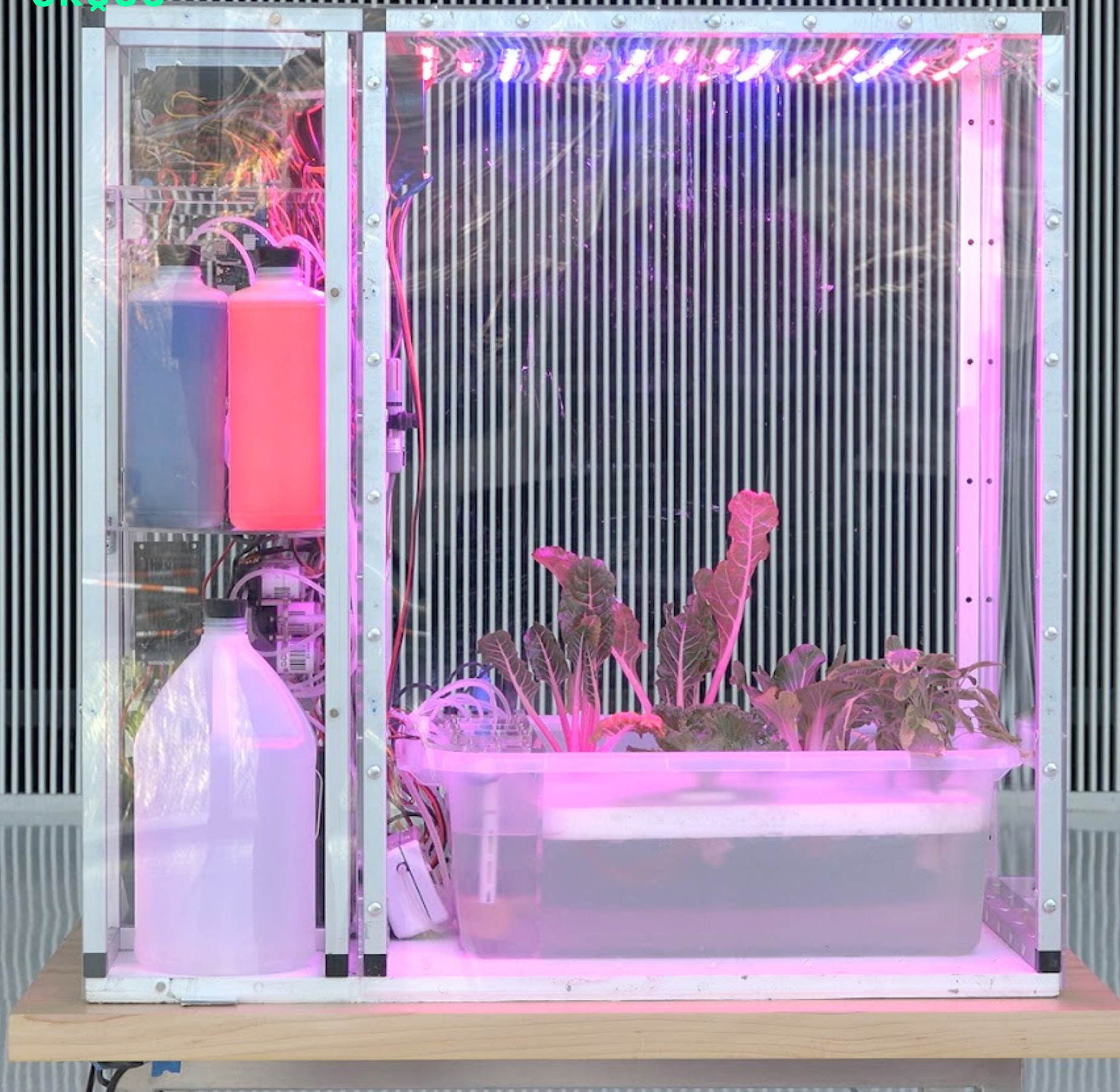
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1. Open Agriculture

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OpenAg™ Personal Food Computer v2.0
Credit: MIT Media Lab



OpenAg™ is an open-source community building an ecosystem of food technologies to create healthier, more engaging and more inventive food systems.

2. Explorations | Prototypes

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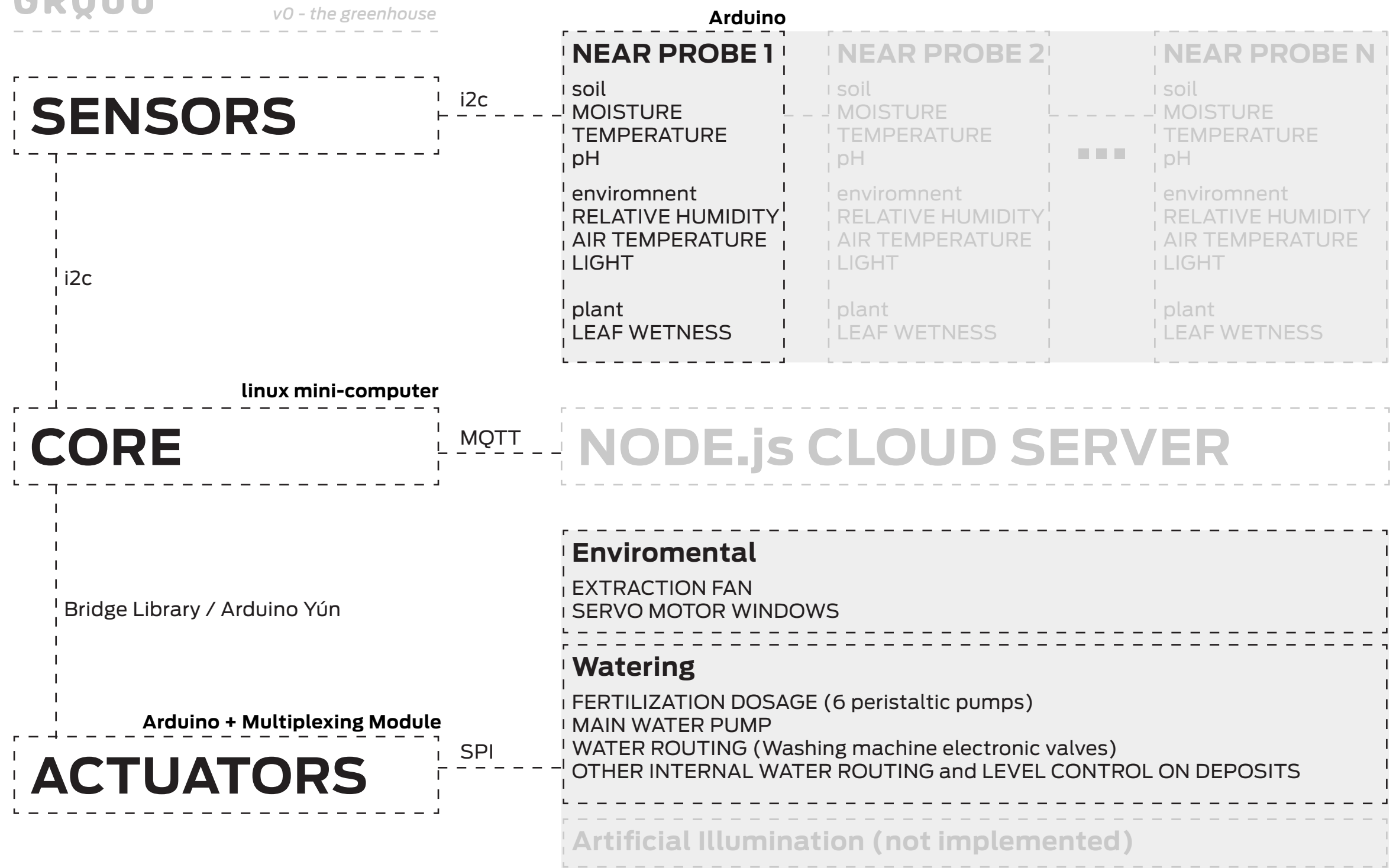
FUN!

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v0 - the greenhouse

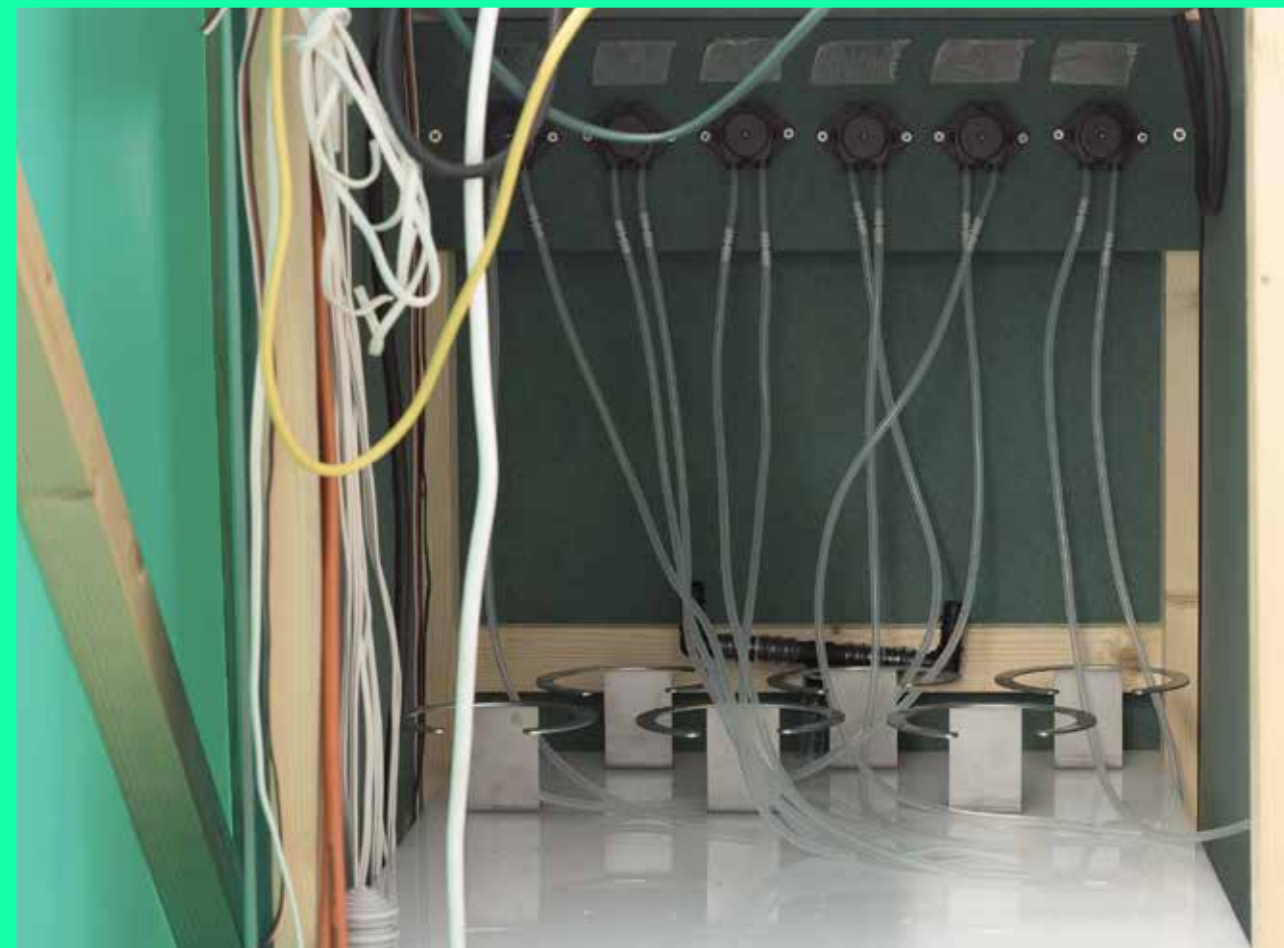
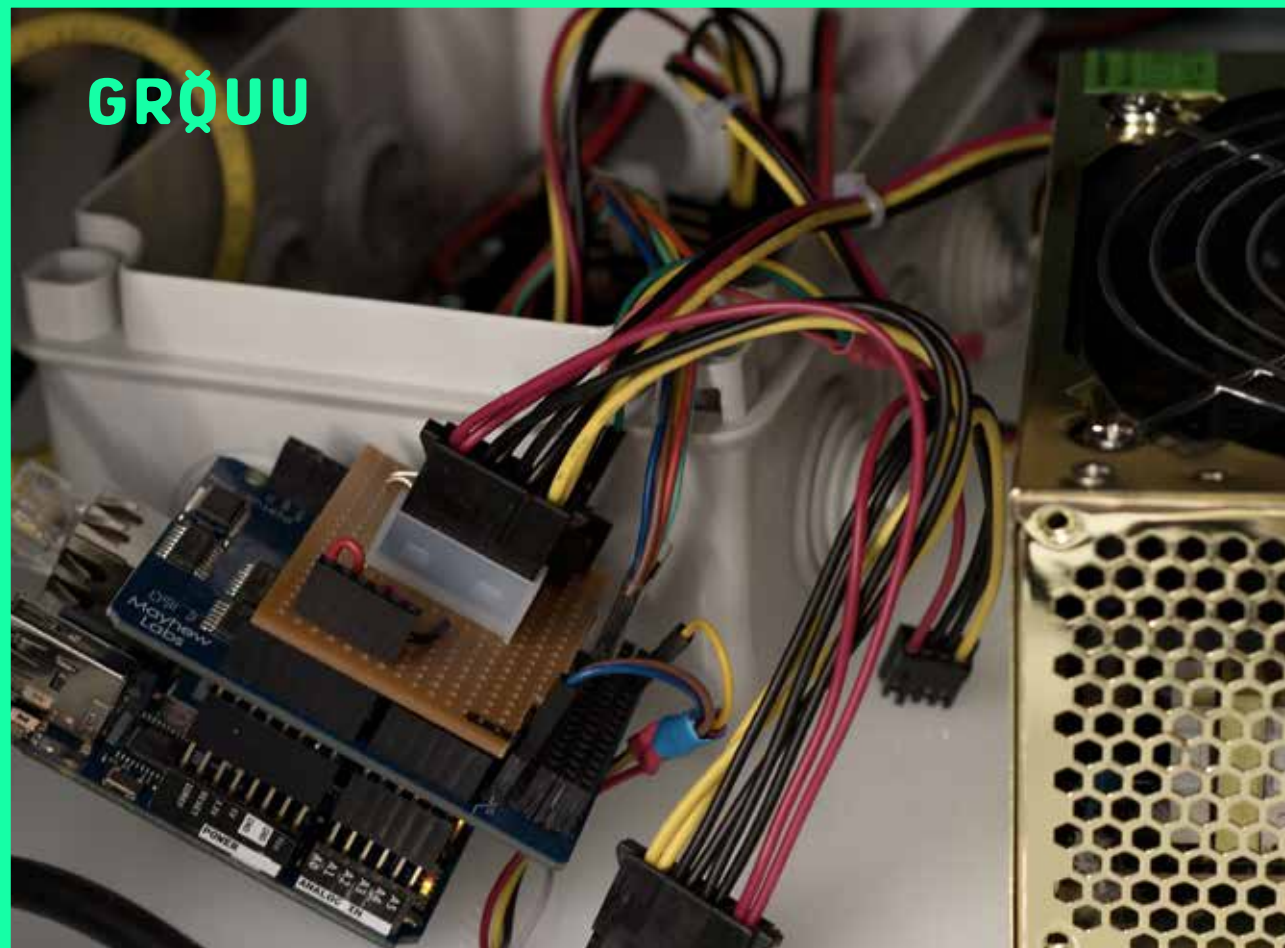


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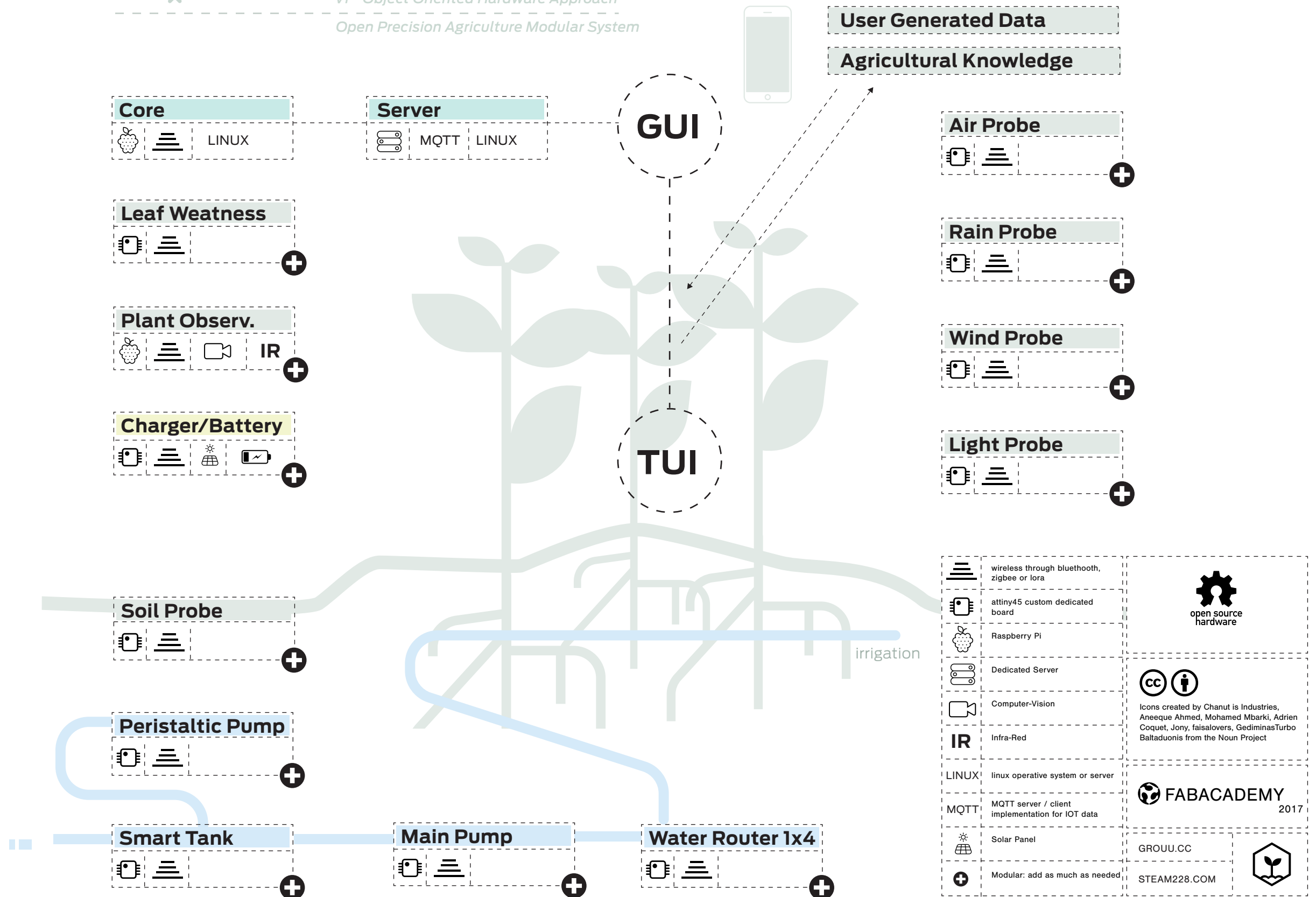




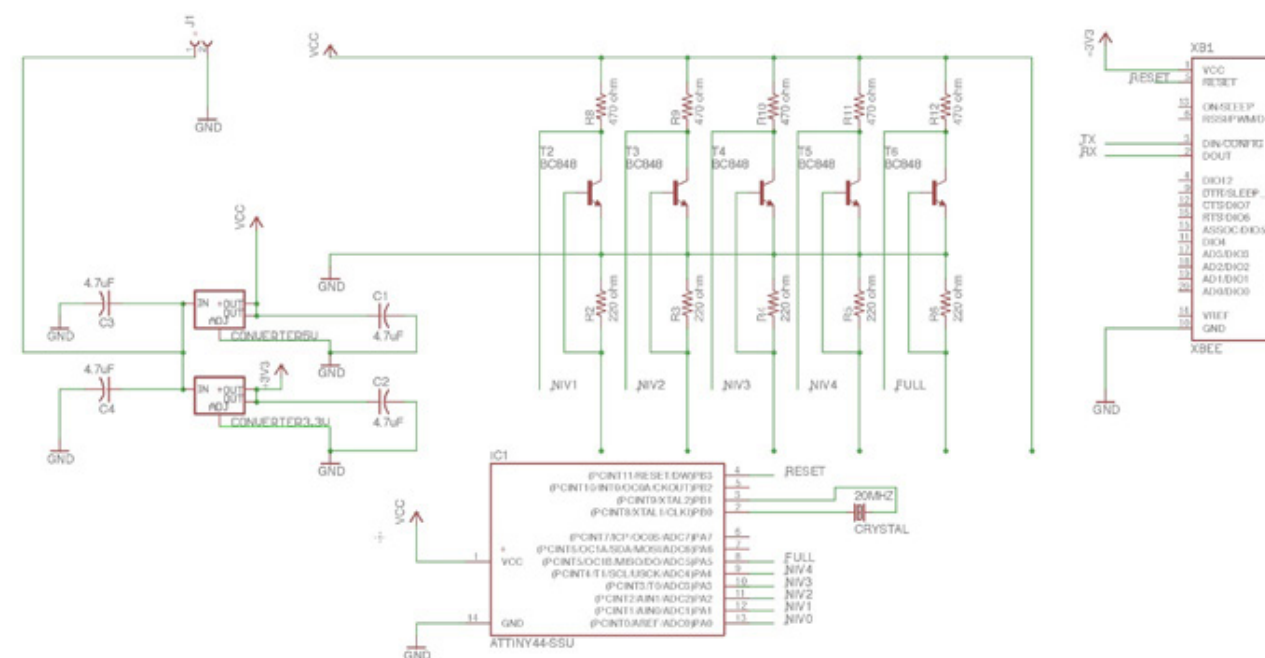
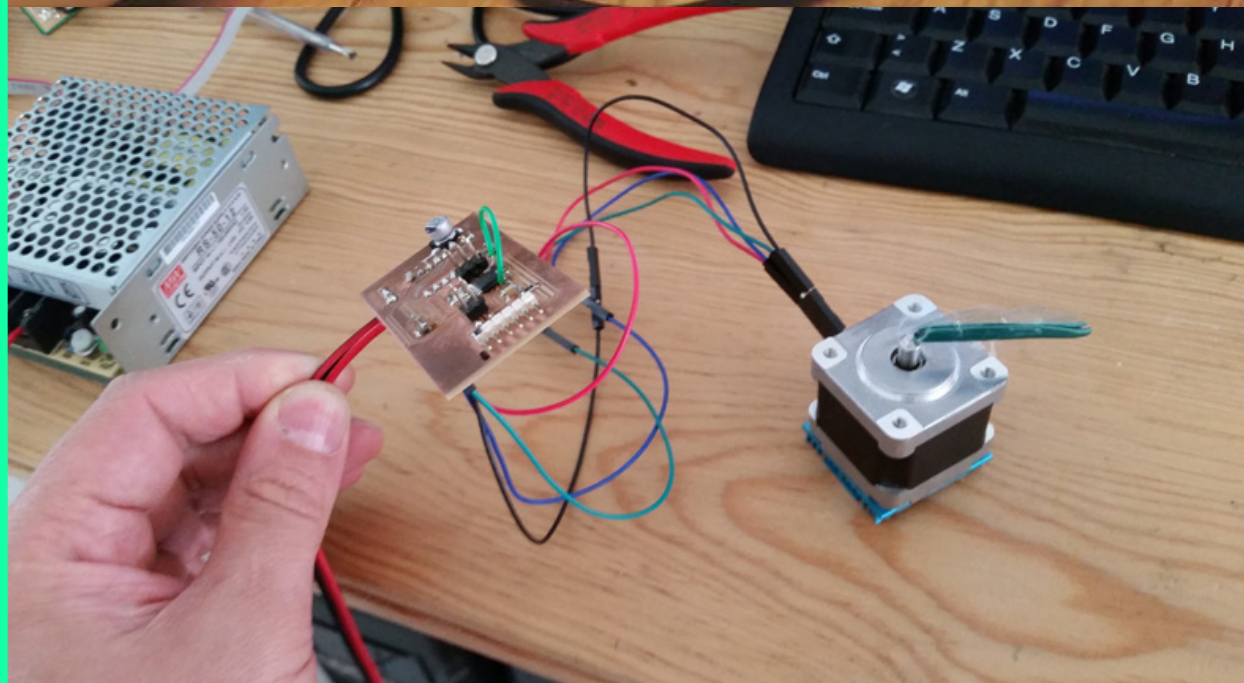
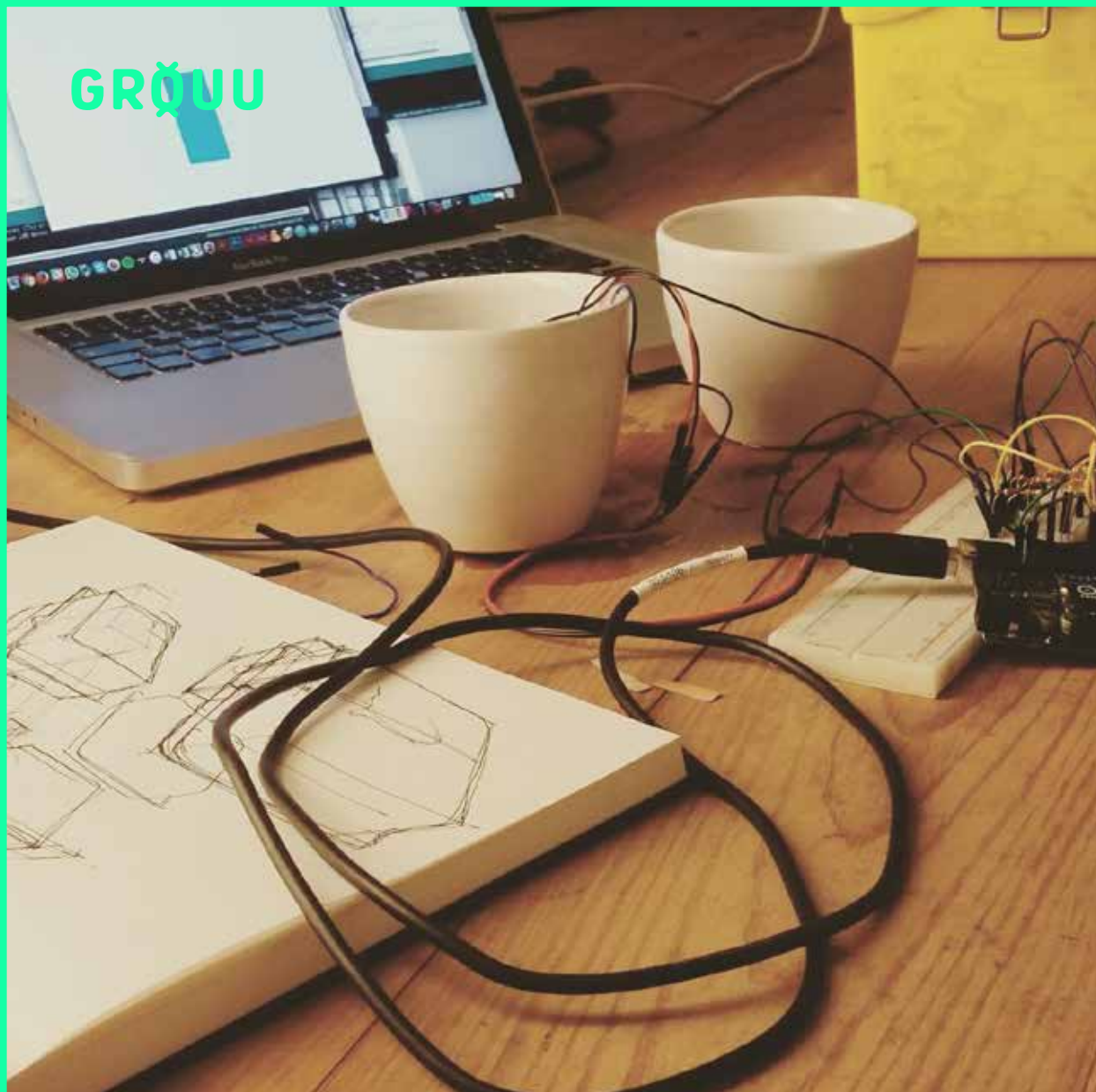


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v1 - Object Oriented Hardware Approach
Open Precision Agriculture Modular System

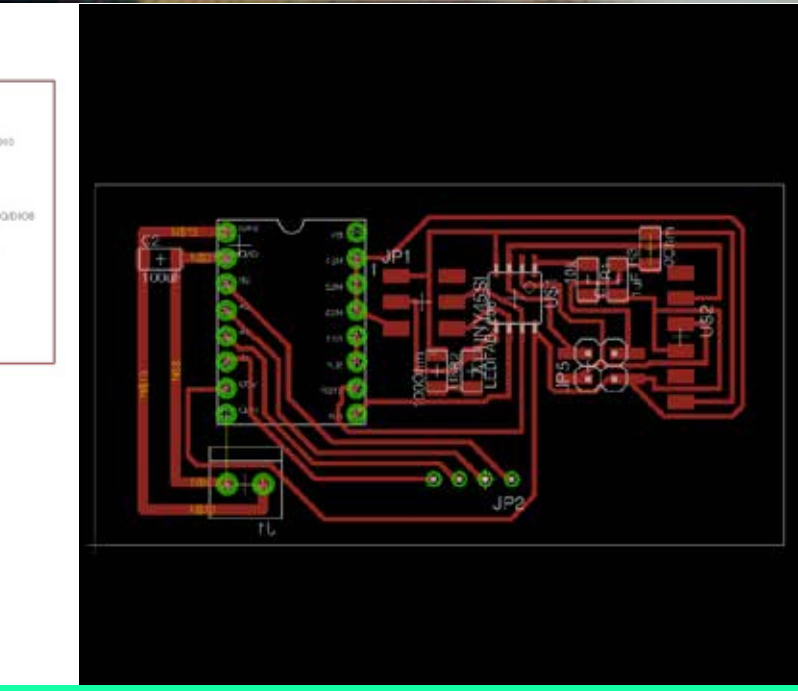




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Hand-drawn sketches of a portable toilet design on a notebook page. The sketches show various components and their assembly. Labels include: 'top door', 'peristaltic pump', 'stepper', 'controller', 'peristaltic pump motor', 'SUB IN', 'WATER', and 'WATER'. The sketches illustrate the internal mechanism, the external housing, and the connection points for water and power.

GROUU modular development documentation



 README.md 



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Modular Open Agriculture

Enabling the implementation of Precision agriculture / Automation in any context or scale of production:

- from indoor hydroponics to traditional agriculture;
- from a balcony vase implementation to a large exploration;
- in an urban or rural context; These modules can be useful for all, used together, adapted, remixed, distributed...

Your collaboration is precious! No onboarding needed, just start designing and developing!

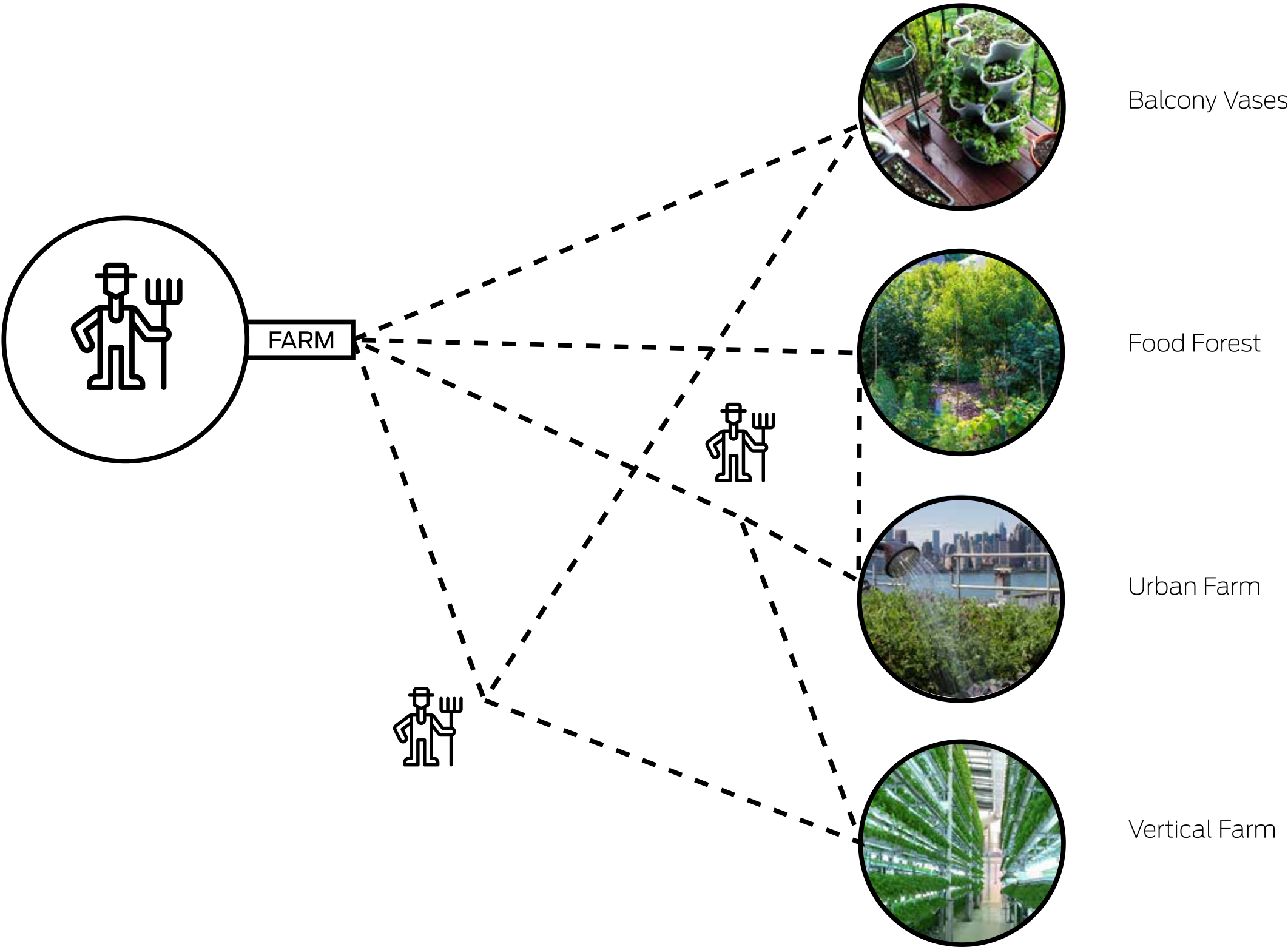
Modules V1 - ESP12 based version (under dev - design (boards, enclosures), firmware(arduino))

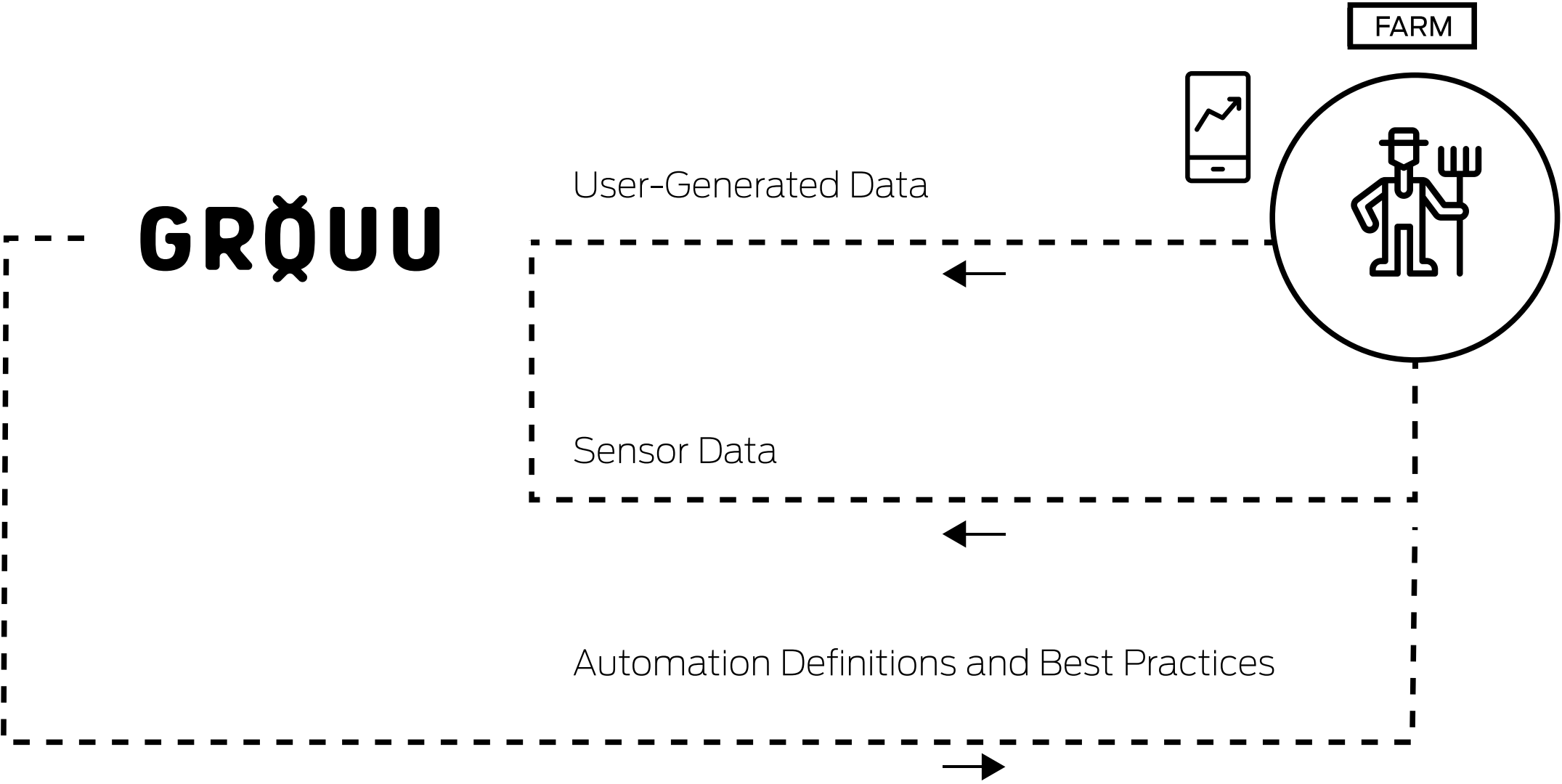
Types:

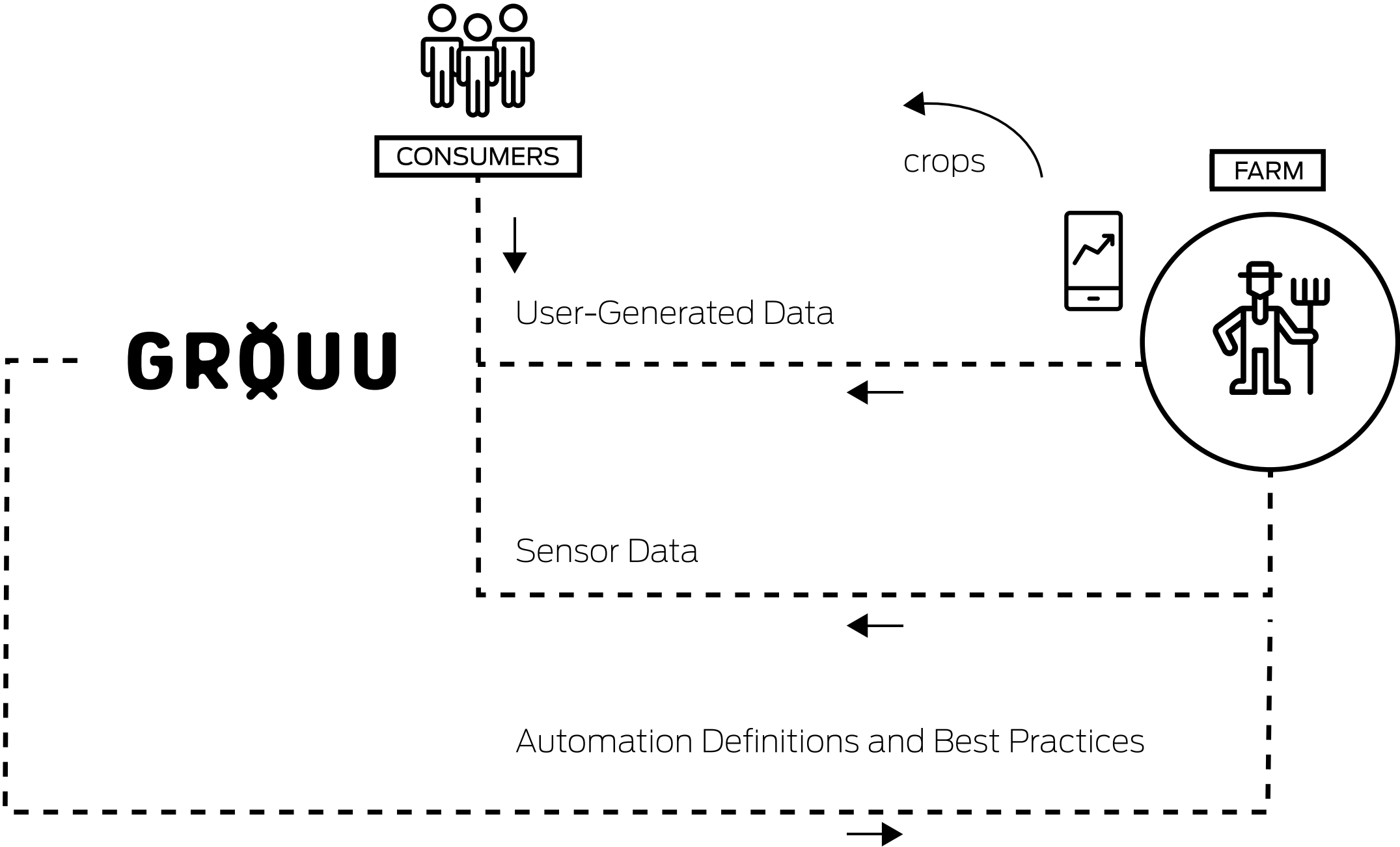
- core;
- s modules (wireless sensors);
- a modules (actuator modules);

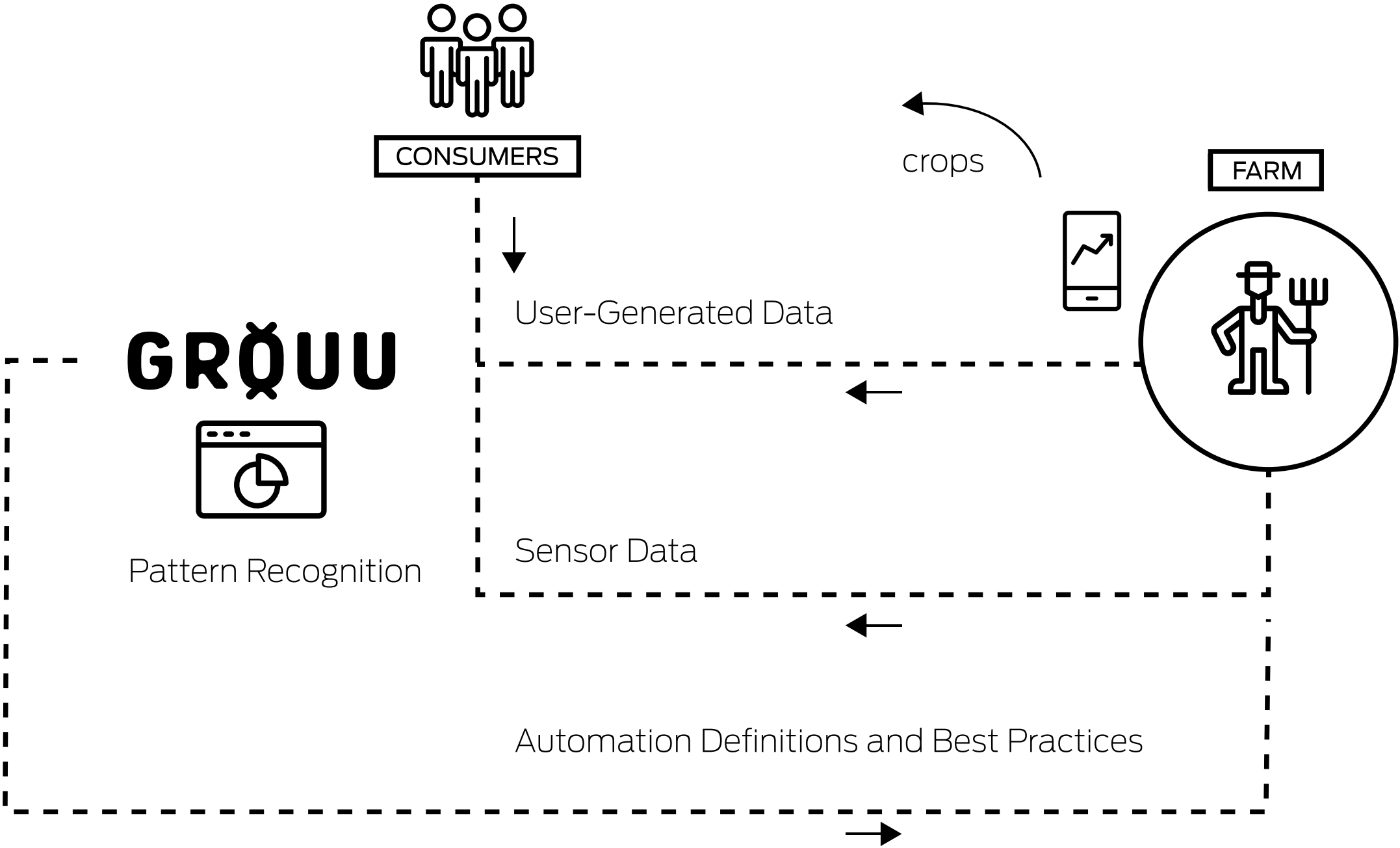
<https://github.com/steam228/GROUU/blob/master/images/logo.png> **Goals**

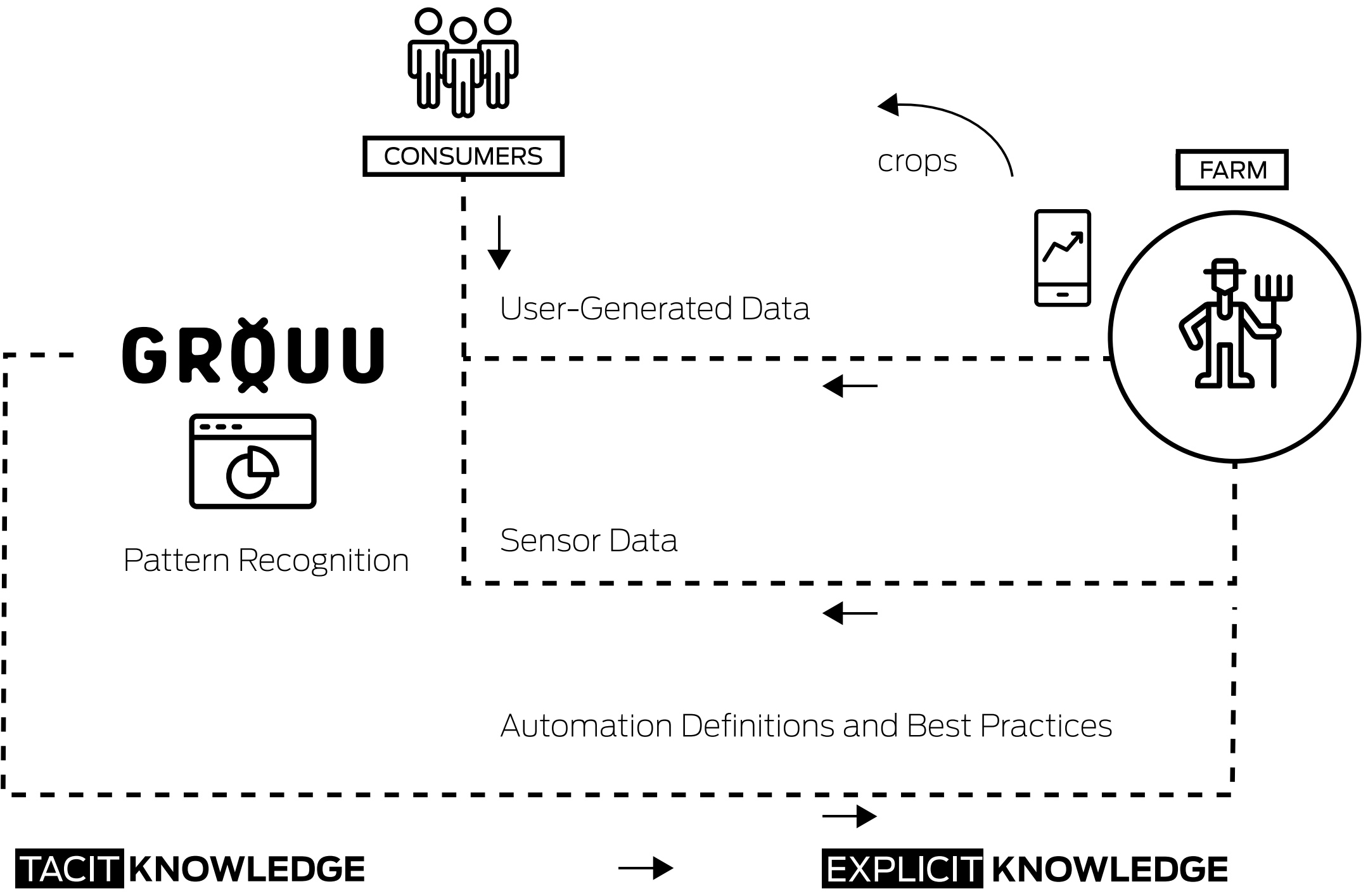
3. Research











Can Agricultural Tacit Knowledge
become Open Agricultural Knowledge?
And therefore a Common?

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CultiMake Workshop at Ioannina, Greece.

Organized by P2P Lab at Habi-bi.Works a Maker-space located next to a Refugee Camp in Northern Greece



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THANK YOU!

@steam228