



Funded by the
European Union

Innovative agricultural techniques to boost entrepreneurial skills of future farmers

OUR START UP IDEAS!

22-26 MAY 2023

ALATRI - ITALY



Istituto Istruzione Superiore
SANDRO PERTINI
ALATRI

Motion sensor sprinkler



PROBLEM

The motion sensor sprinkler allow to save fields from flocks



SOLUTION

The sprinkler is automated and can also irrigate your field whenever a bird want to annoy you and to avoid damage to your fruit with consequent loss of harvest and the transmission of diseases. The sprinkler can be powered by rainwater and solar panels



COMPETITORS

► Who are your competitors?

1. Orbit Yard Enforcer: Adjustable sensitivity, intelligent detection, customizable settings.

2. Havahart Spray Away: Infrared sensor, adjustable range, burst duration control.

3. ScareCrow Motion Activated

Animal Repellent: Day/night detection, adjustable spray distance, non-harmful deterrents.

4. Hoont Cobra Motion-Activated

Water Jet Blaster: Powerful water jet, 360-degree motion detection, solar-powered.

5. Melnor XT Turbo Oscillating

Sprinkler: Customizable watering patterns, adjustable range.



WHAT WILL YOU NEED TO DO?

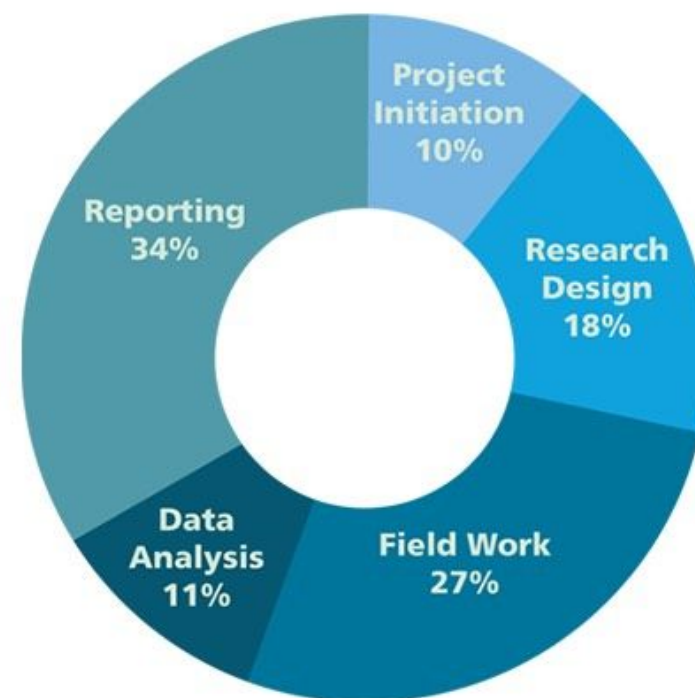
For the production of these sensors it's necessary to advanced technological, IT, rural and to have at least a specialization as an agricultural expert



Costs

Type	Description	FTE	Cost
DI	Research assistant (£25K salary plus increments & on-costs) 3 years	3.00	£95,000
DI	Equipment for the project	-	£5,000
DI	9 x Travel to London @ £200	-	£1,800
DA	Principal investigator's time (20% for 3 years)	0.60	£30,000
DA	Technician time (10% for 3 years) [not research FTE]	n/a	£9,000
DA	Estates costs (non labs) £5,000 x 3.60 FTE	-	£18,000
Ind	Indirect costs £34000 x 3.60 FTE	-	£122,400
Total The total full economic cost (fEC)		3.60	£281,200

Marketing Research Cost Breakdown



ROADMAP

What Will You Do In...

- ▶ In 3 months, ask for financing and looking for the possibilities of the Start up ideas
- ▶ In 6 Months, start to build the structure of the product, to program the sensors and the solar panels
- ▶ In 9 months, make finishing touches and test sprinkler
- ▶ In 12 months, the product is ready to selling



CALL TO ACTION

“Safely and efficiently - Protecting your environment!”

Our motion sensor sprinkler ensures the safety of your environment. It operates effectively by detecting motion and activating the water spray, deterring unwanted visitors. Safety and efficiency combined in on device!



TEAM



Speakers: Simone Gussati, Slehta Ignas

Picture: Tommaso Caponera, Giorgia Pelorossi,
Gricius Mindaugas

Competitors: Leonardo Necci, Chotza Tzesika

Costs: Matei Anita Gabriella, Kele Iuliana Alexa

Skills: Korva Maiju, Federica Tesori

Roadmap: Araújo Alexandre

Call to action: Slehta Ignas, Kurkauskas Donatas