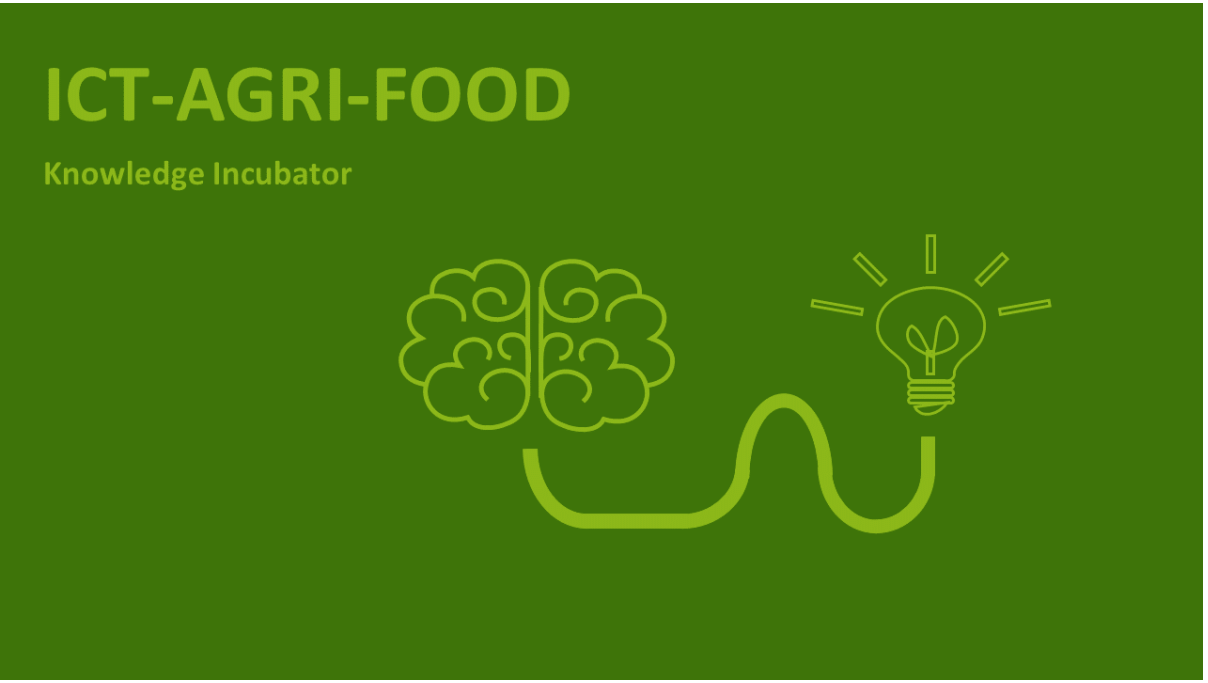
The Knowledge Incubator online platform



Siham Kourdi & Marijke Hunninck

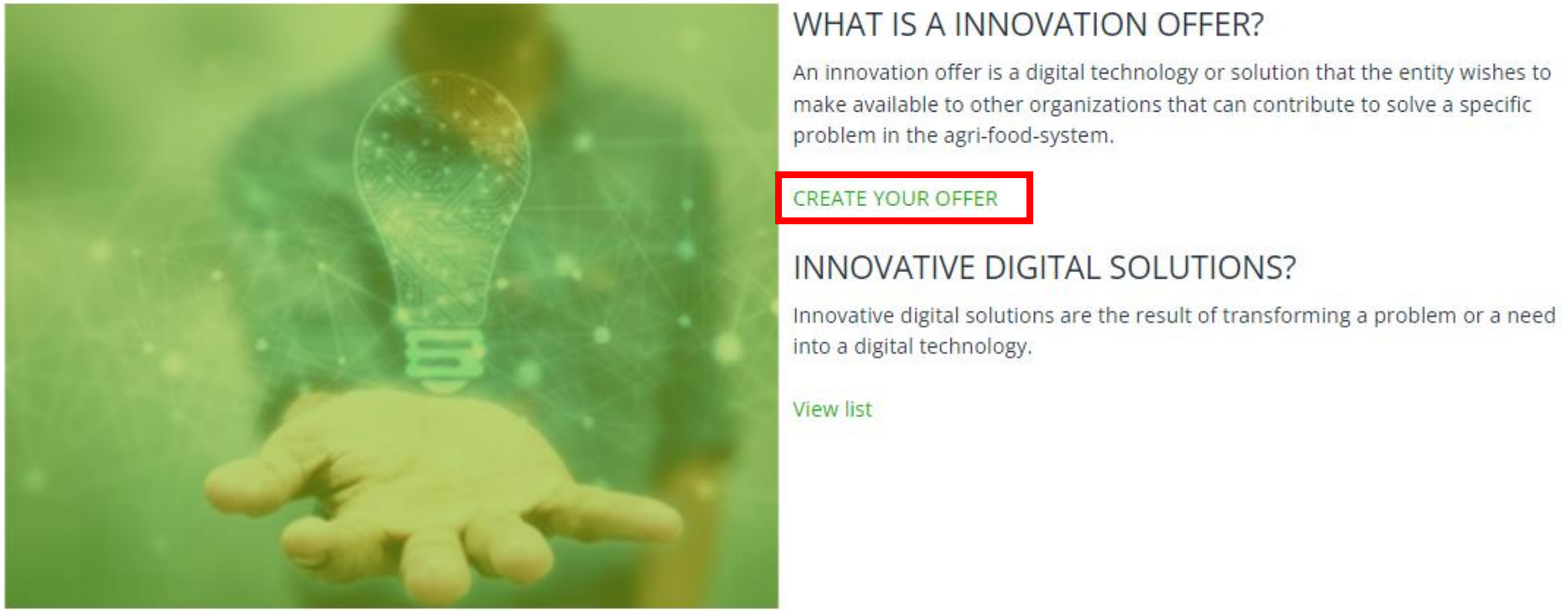
24 May 2022

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no 862665 ICT-AGRI-FOOD.

Innovations

The webpage of the Knowledge Incubator can be found at:
https://ictagrifood.eu/node/44646

Here you can create an innovation and find an overview of the submitted innovations.



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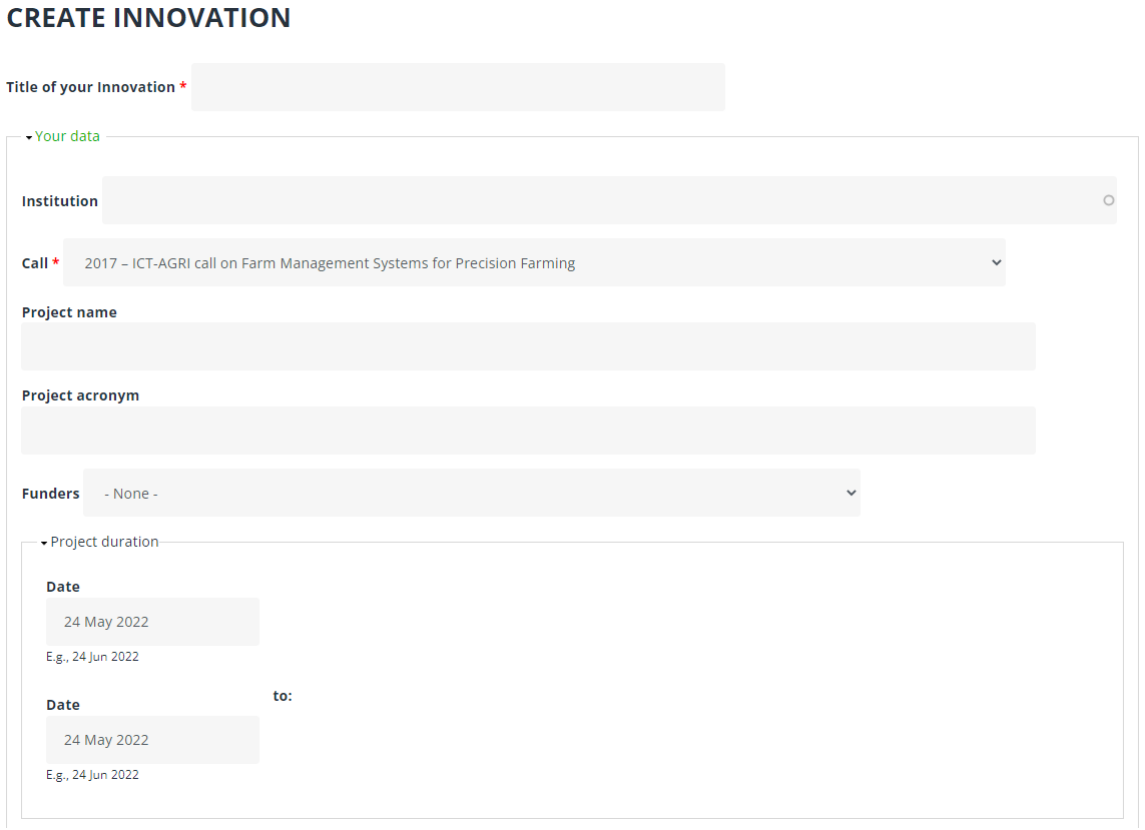
Create innovation

On this page create your innovation: https://ictagrifood.eu/node/add/innovations
Based on the criteria to add an innovation, we created some filters to easily filter on:



- **Title of your innovation**
- **Institution** (with list if you start typing)
- **Call** (drop down menu)
- **Project name**
- **Project acronym**
- **Funders** (drop down menu)
- **Project duration** (start date and end date)

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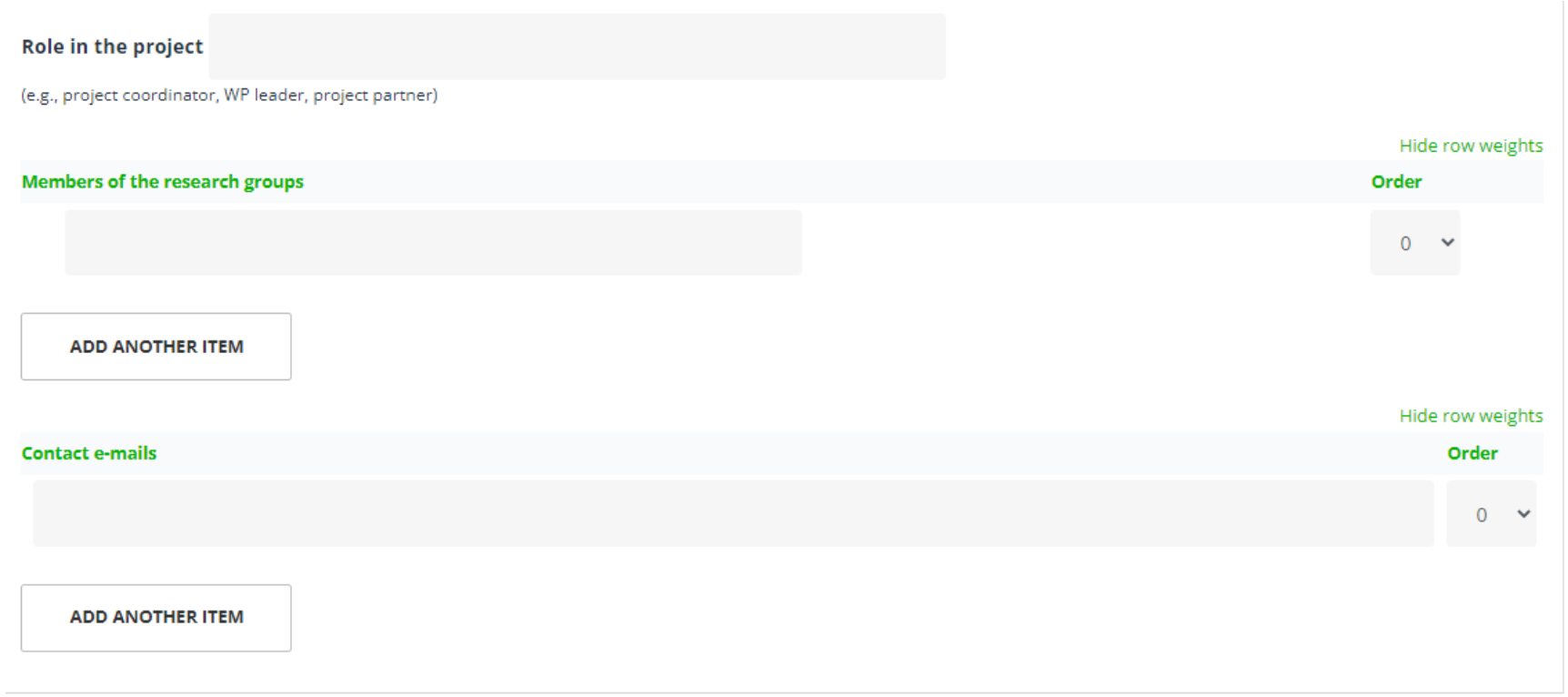
Create innovation

- **Role in the project** (e.g., project coordinator, WP leader, project partner)
- **Members of the research groups**
- **Contact emails**



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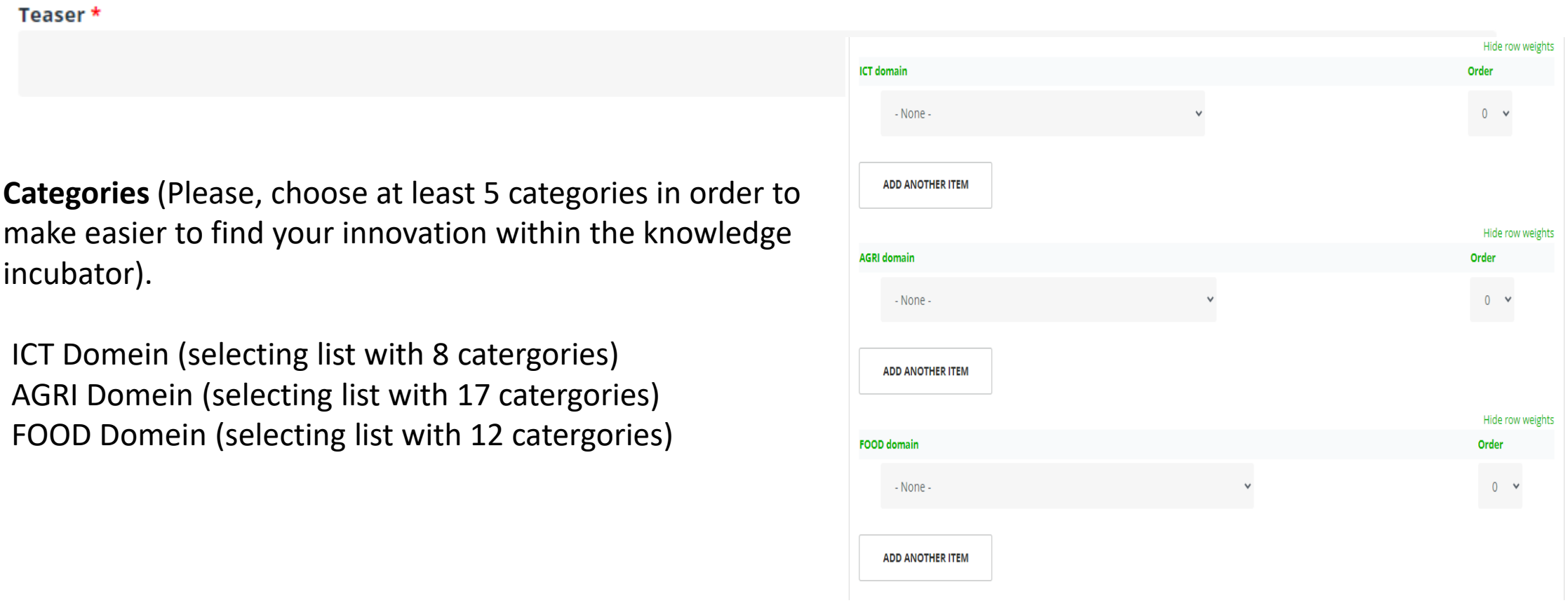
Create innovation

- **Teaser** (make people interested in reading your innovation using a sentence).



- **Categories** (Please, choose at least 5 categories in order to make easier to find your innovation within the knowledge incubator).

1. ICT Domein (selecting list with 8 catergories)
2. AGRI Domein (selecting list with 17 catergories)
3. FOOD Domein (selecting list with 12 catergories)

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Create innovation

- **Abstract (**Max 1500 characters, including spaces)
- **Problem addressed** (Max 2000 characters, including spaces)
- **Solution offered** (Max 2000 characters, including spaces)
- **Innovation description** (Describe your innovation to potential users and researchers that want to collaborate with you. In your description feel free to use wording and categories that may be missing in the list of categories. (Max 2000 characters, including spaces)).
- **Innovation stage** (Describe what is needed to improve your innovation in term of research needs, SMEs to further develop it, Marketing analysis, interaction with end users etc. (Max 2000 characters, including spaces)).

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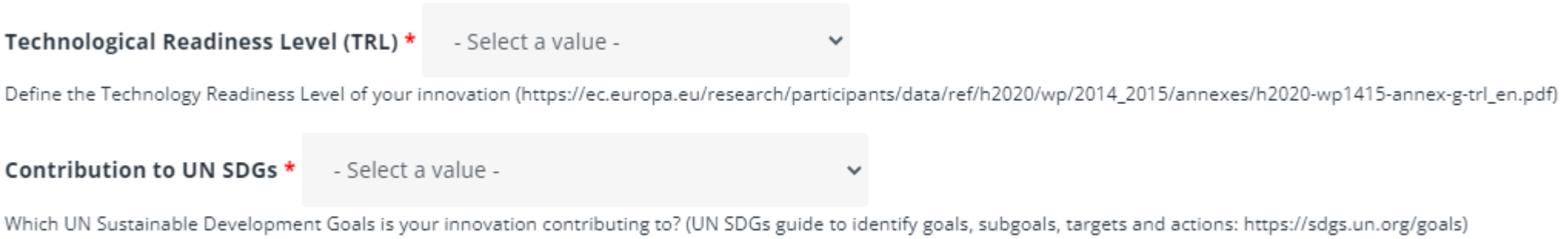
Create innovation

- **Technological Readiness Level (TRL) (**Define the Technology Readiness Level of your innovation https://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/annexes/h2020-wp1415-annex-g-trl_en.pdf)

- **Contribution to UN SDGs** (Which UN Sustainable Development Goals is your innovation contributing to? (UN SDGs guide to identify goals, subgoals, targets and actions: https://sdgs.un.org/goals)



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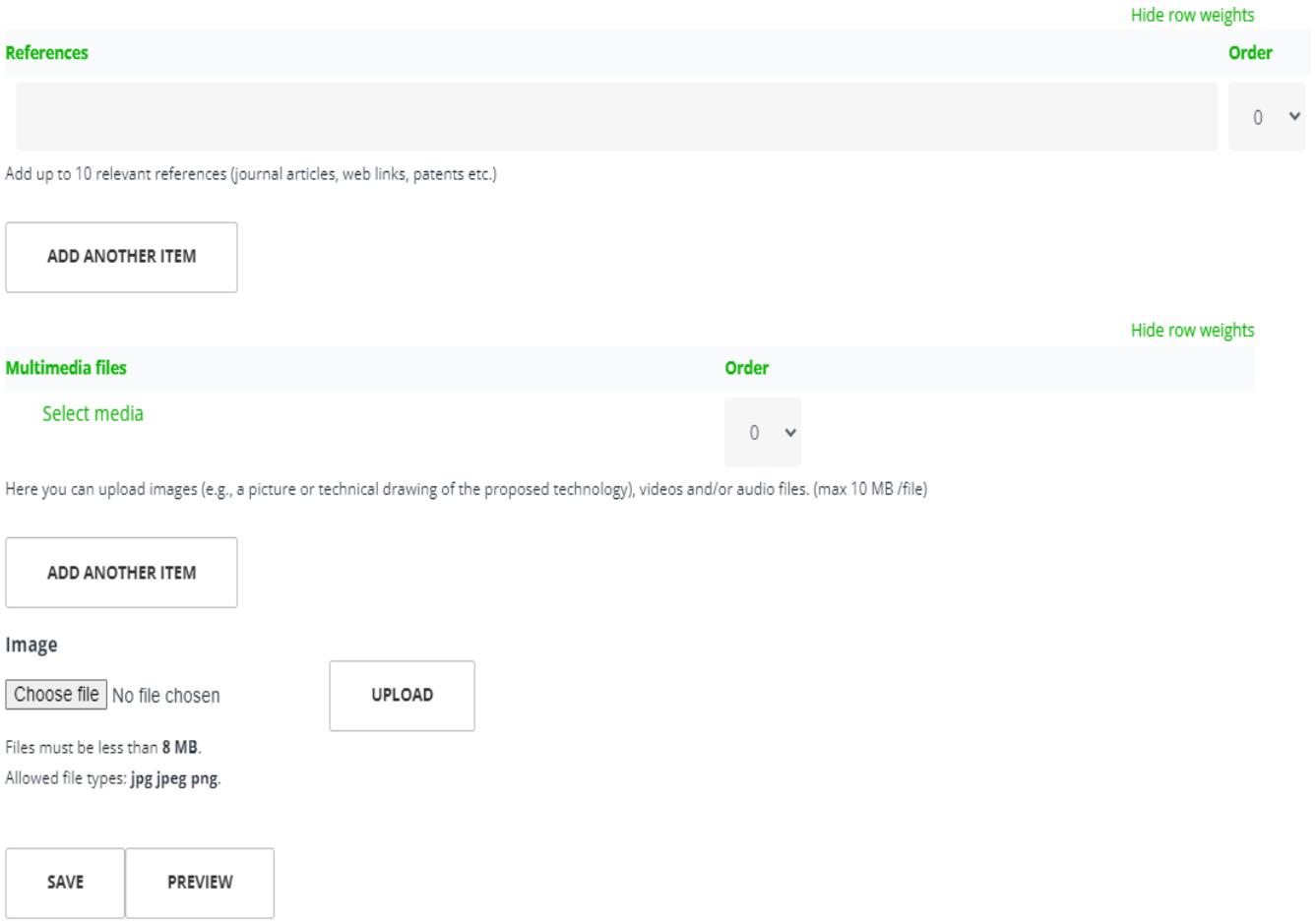
Create innovation

- **References** (Add up to 10 relevant references (journal articles, web links, patents etc.)
- **Mulitmedia files** (Here you can upload images (e.g., a picture or technical drawing of the proposed technology), videos and/or audio files. (max 10 MB /file).
- **Save** your innovation!



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Innovations

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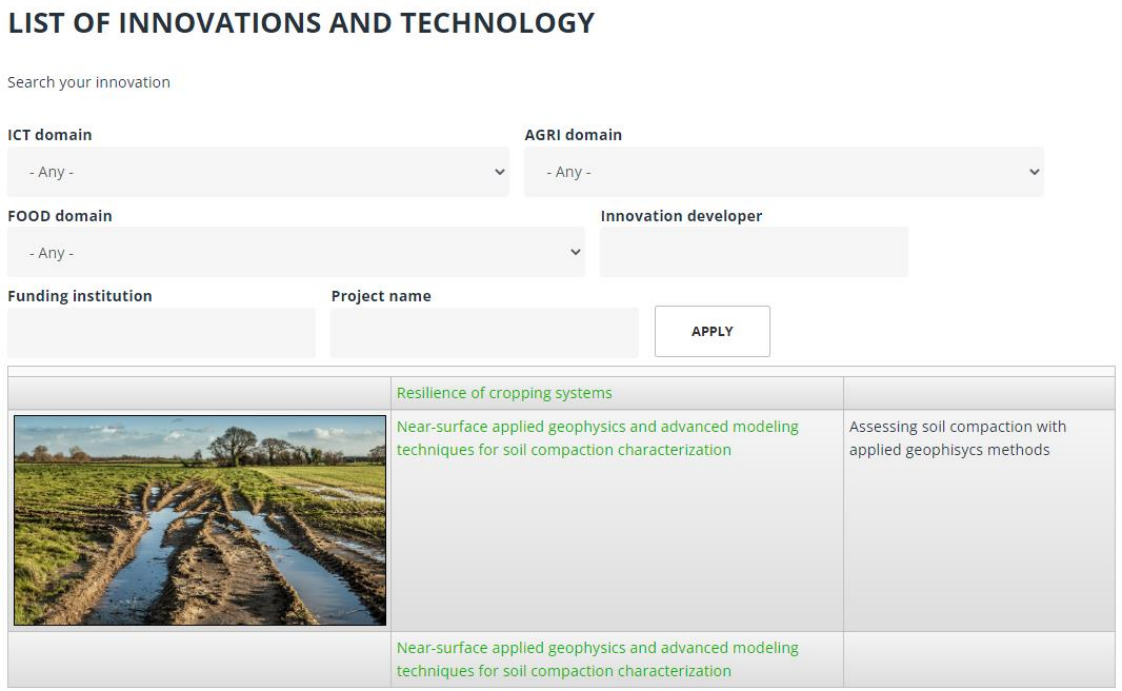
List of innovations and technology

On this page you find an overview of all submitted innovations:
https://ictagrifood.eu/list-of-innovations-and-technology

Based on the criteria to add an innovation, we created some filters to easily filter on:

- Domain; ICT / AGRI / FOOD
- Innovation developer
- Funding institution
- Project name

Or select an innovation out the list



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Innovation

Overview of innovation:

- Title
- Summary of the innovation
- Innovation description
- Problem addressed
- Solution offered
- Domain categories
- Technological Readiness Level
- Call year

We encourage you to like the innovations that you find valuable

RESILIENCE OF CROPPING SYSTEMS

The Department of Veterinary Science, University of Messina, Italy, has a long-term involvement in different research programs both at national and international level in the field of medicine, animal and crop science. The Agronomy and Crop Science unit, provides worldwide research leadership in the subjects of food, feed, fodder and fuel value chains, including crops for alternative uses for the transition to healthy and sustainable dietary behavior for the Mediterranean area. The mission is to foster the adoption of profitable, environmentally sound, and socially responsive agricultural systems through tailored agronomic practices and resilient strategies to reduce agriculture impact

Innovation description:

Tailored experimental design to overcome bottlenecks on-farm and improve the productivity and the climate-resilience of the cropping systems in the Mediterranean area. Identify, address and remove barriers for adoption of ICT technologies at the farm level. Adoption of on-farm measures for strengthening ecosystem services (including carbon sequestration, biodiversity protection, soil fertility maintenance, protection of water bodies, avoidance of antibiotics, promotion of pollinators etc.).

Problem addressed:

Cropping system productivity, soil management, energy and nustrient use, resource use, agrobiodiversity, climate change mitigation, bioeconomy valorization, ecosystem service provisions

Solution offered:

The unit of Agronomy and Crop Science at the Department of Veterinary Science of the University of Messina can provide expertise to a consortium to contribute to the Topic (1, 2 and 3) on sustainable and resilient cropping systems in the Mediterranean environment (southern Italy). Specifically we can contribute designing field experiments for improved and environmental sounds practices and products quality from Mediterranean genetic resources and alternative crops suitable to increasing drought conditions foreseen by climate change. Improve resource use efficiency, crop physiology and tailor low-input agronomic practices as adaptive strategies to mitigate climate change effects, reduce environmental pollution/impact and provide strategies for ecosystems services provisions. Involve farmers and othre actors in the agri-food value chains.

AGRI domain:

1.Increase system productivity/competitiveness
4.Soil management
6.Energy and nutrient use management
11.Agroecology
12.Climate change mitigation and adaptation
13.Valorisation of ecosystem services
15.Bioeconomy and circularity
17.Production quality at the farm level

FOOD domain:

2.Reduction of food waste and losses

Technological Readiness Level (TRL):

Discovery phase (TRL 1,2 & 3)

Like | 1

Call year:

2022

Project name :
Implementation of soil compaction risk assessment system – end-user's evaluation of potentials
Project acronym:
SOCORISK
Project duration :
2021 to 2024
Members of the research groups:
Francesco Morari
Nicola Dal Ferro
Alberto Carrera
Contact e-mails:
francesco.morari@unipd.it
alberto.carrera@phd.unipd.it
Teaser:
Assessing soil compaction with applied geophisycs methods
Contribution to UN SDGs :
11,12,14
Call title:
ICT AGRI FOOD Cofund
Funders:
Ministry of agricultural, food and forestry policies (MIPAAF)

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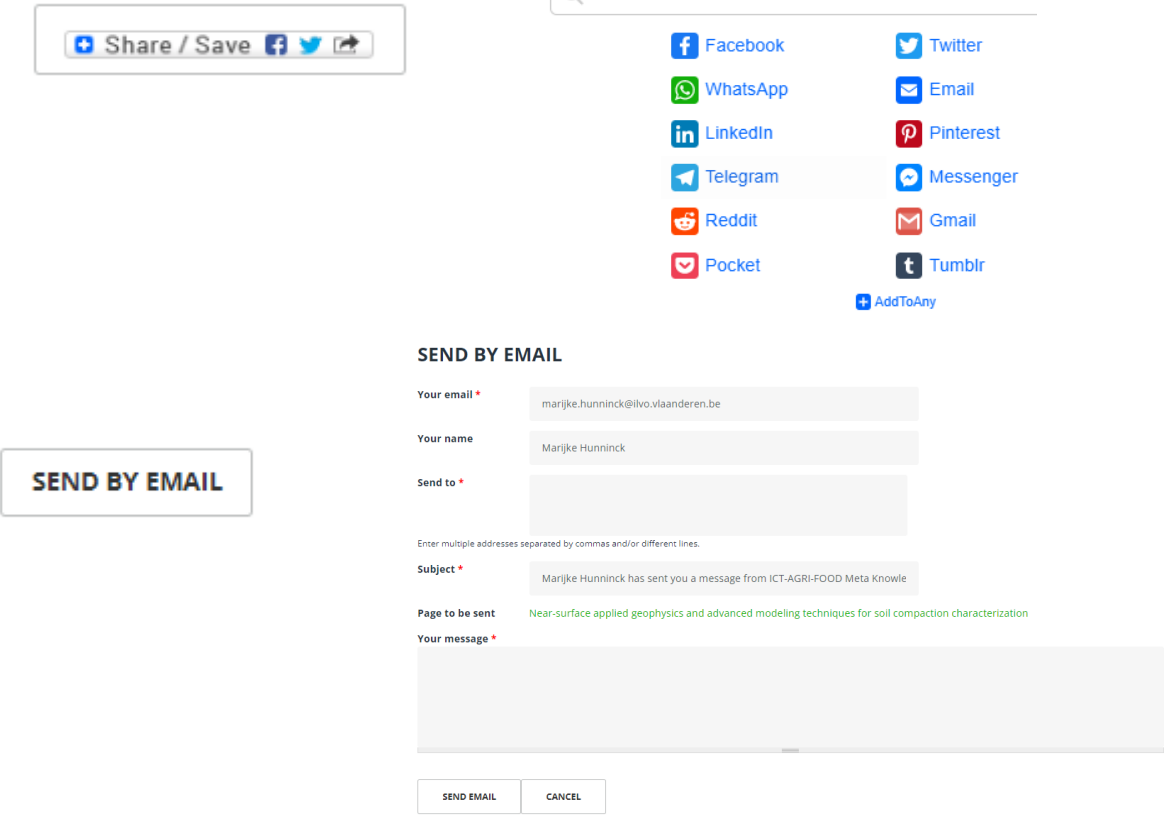
Share and/or save innovation

- Share innovation:

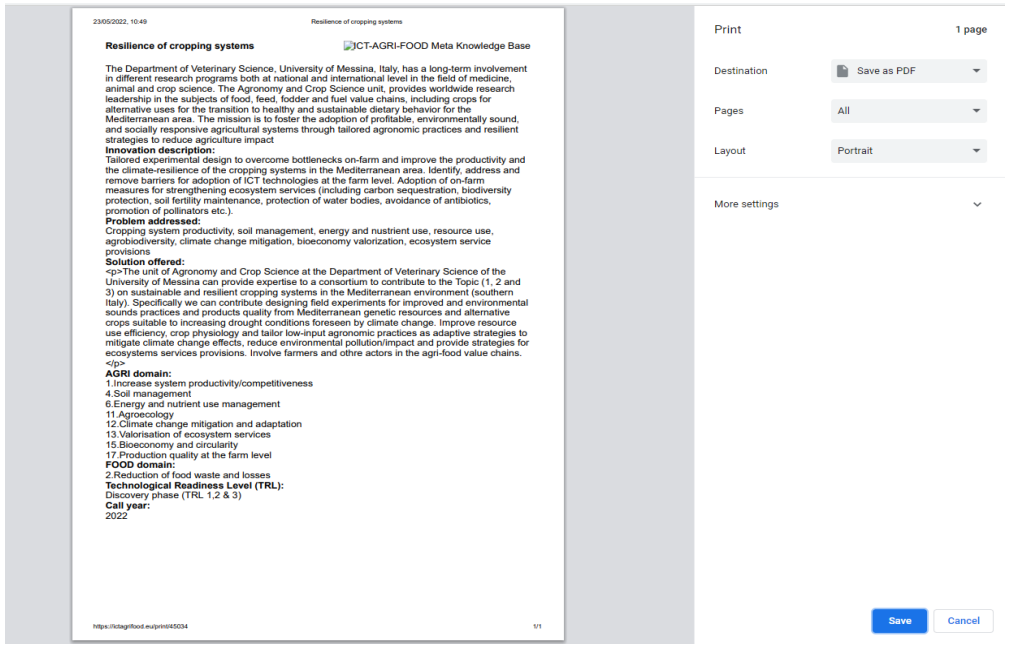
Here you can selected on which channel you would like to share this innovation



SEND BY EMAIL

- Save innovation:

SAVE AS PDF



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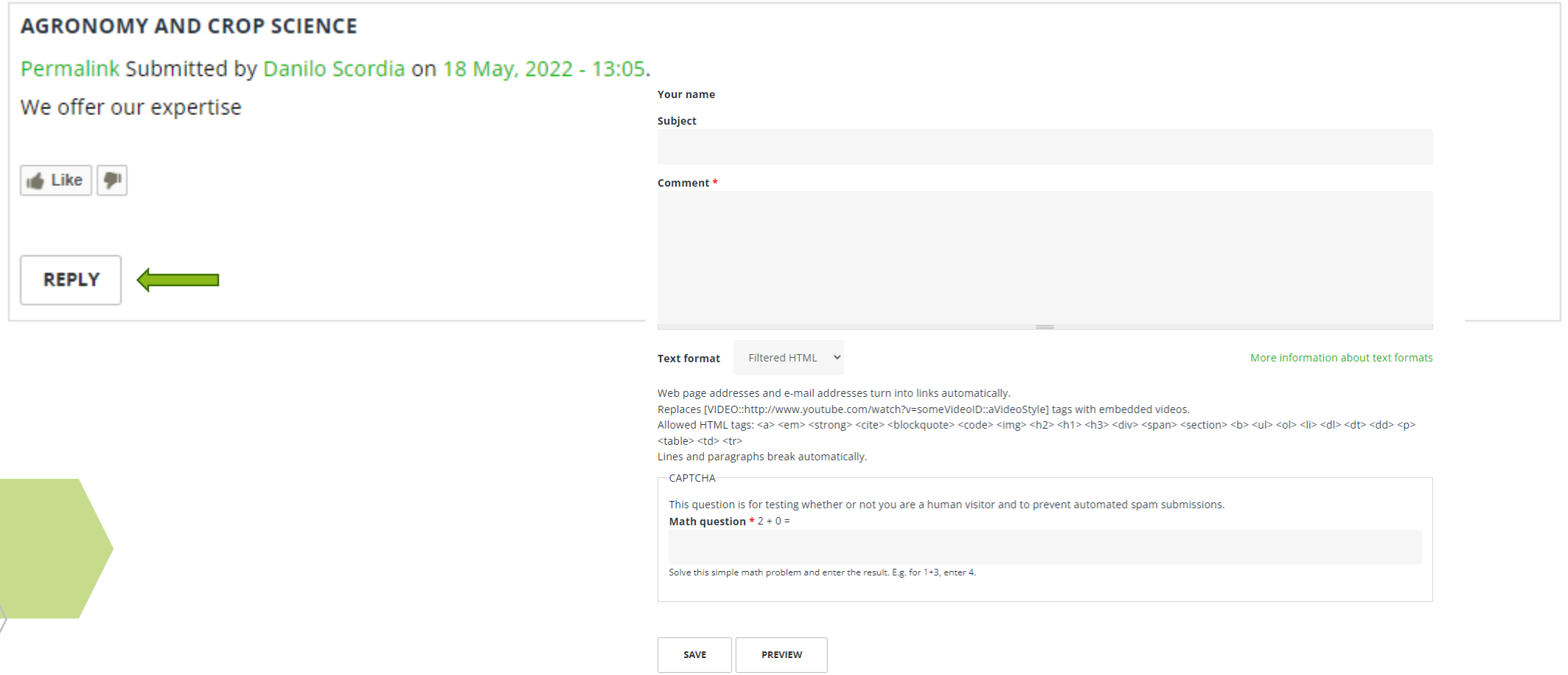
Comments and reply to comment



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Add a comment

ADD NEW COMMENT

Your name

Subject

Comment *

Text format Filtered HTML

More information about text formats

Web page addresses and e-mail addresses turn into links automatically.
Replaces [VIDEO::http://www.youtube.com/watch?v=someVideoID::aVideoStyle] tags with embedded videos.
Allowed HTML tags: <a>   <cite> <blockquote> <code> <img> <h2> <h1> <h3>   <section> <b>   <dl> <dt> <dd> <p> <table> <td> <tr>
Lines and paragraphs break automatically.

SAVE PREVIEW

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LET'S KEEP IN TOUCH

Please feel always free to reach out to us.

TWITTER - LINKEDIN

@ictagrifood - https://www.linkedin.com/in/ict-agri-food-1225041b9/

WEBSITE

www.ictagrifood.eu

EMAIL

Marijke Hunninck: Marijke.Hunninck@ilvo.vlaanderen.be

Thank you for your attention