#### 1st public policy workshop: Climate-neutrality and food security



# ClienFarms

#### in a nutshell

Jacques-Eric Bergez - INRAE Jacques-eric.bergez@inrae.fr

#### Started in January 2022, no results yet

"Co-develop and upscale systemic locally relevant solutions to reach climate neutral and climate resilient sustainable farms across Europe"

Demonstrate that **innovative systemic solutions** have the potential to generate positive impacts by 2030

- Achieving climate neutrality of farms and farming systems
- Reducing GHG emissions
- Increasing carbon sequestration and storage

#### >While keeping farms and farmers viable



EU contribution: € 11 999 975 Overall Budget: € 13 639 536

48 months J 1 January 2022

Testing and demonstrating systemic innovations in support of the F2F Strategy. (LC-GD-6-1-2020)

33 partners &14 Europeancountries

A consortium of 33 partners will interactively integrate and improve existing solutions to achieve economically viable business models in farming systems through a multi-actor approach.

#### There is not a day without alarming news



08/07/2022



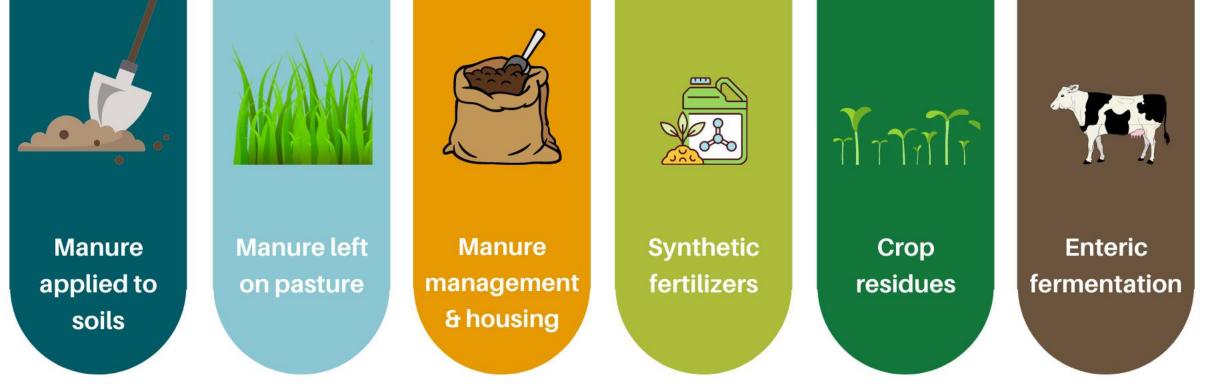


08/07/2022

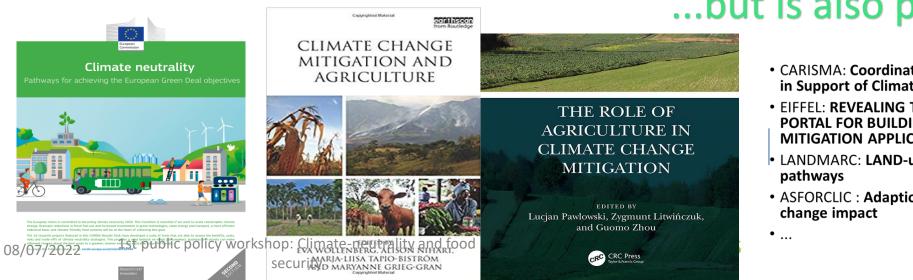


https://ec.europa.eu/eurostat/

4



#### Agriculture is part of the problem...



- ...but is also part of the solution!
  - CARISMA: Coordination and Assessment of Research and Innovation in Support of Climate Mitigation Action
  - EIFFEL: REVEALING THE ROLE OF GEOSS AS THE DEFAULT DIGITAL PORTAL FOR BUILDING CLIMATE CHANGE ADAPTATION & MITIGATION APPLICATIONS
  - LANDMARC: LAND-use based MitigAtion for Resilient Climate pathways
  - ASFORCLIC : Adaption strategies in forestry under global climate change impact

#### Overall concept

ClieNFarms scope is based on a demonstration approach through the creation of 13S





### **Innovative**

Induce emergence and adoption of efficient innovation including different elements such as finance; banks; colaborative proposals; etc.

# **Systemic**

Takes into account the farm and the surrounding (eco)systems (suppliers; advisers; researchers; etc)



### **Solution Spaces**

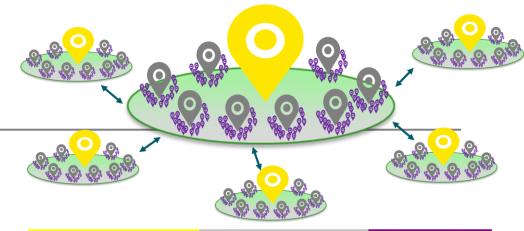
Proposes and tailors different solutions for each farm depending on their pedoclimatic conditions, resources and constraints.



#### Farm networks from TRL5 to TRL8

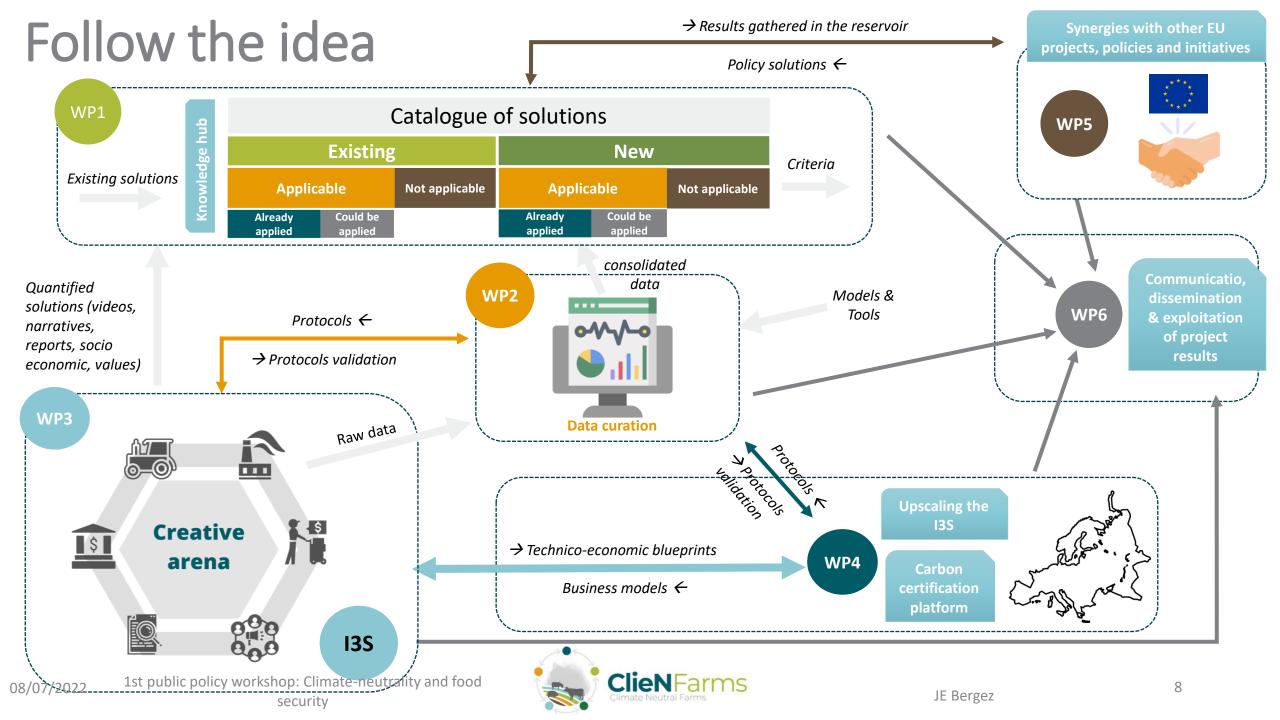
#### **Overall concept**

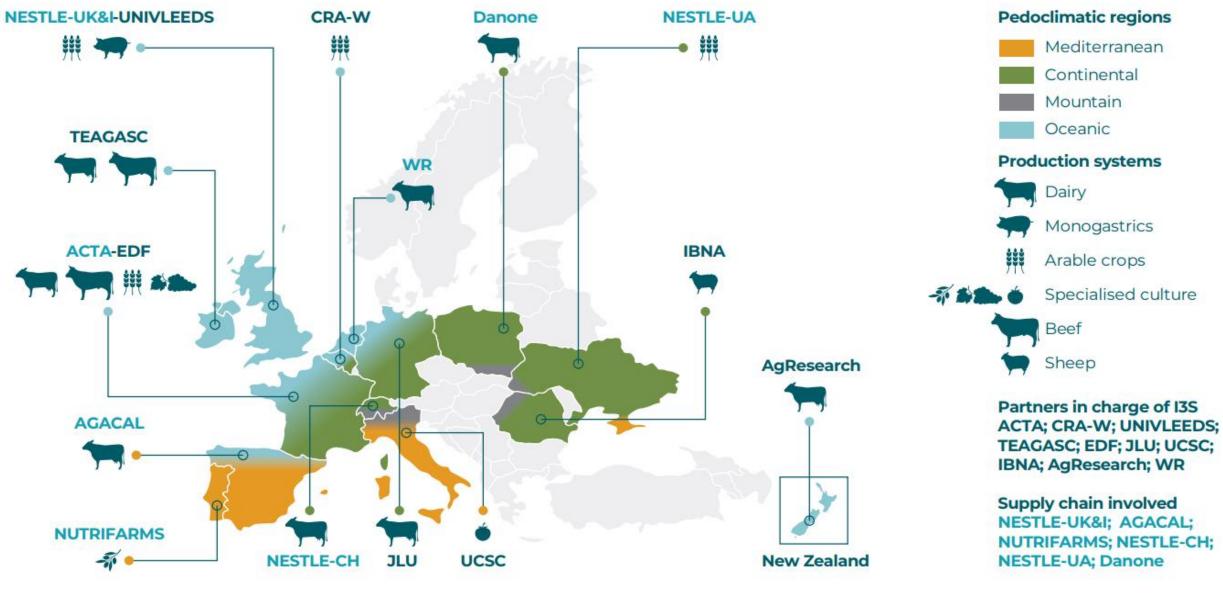
The goal of I3S is to develop business models that ensure the financial sustainability of the solutions, with an upscaling methodology.



TRL 5-6 : Demonstration Farms TRL 7: Lead Commercial Farms TRL 8: Outreach Farms







08/07/2022



#### General outputs

ClieNFarms knowledge Hub Innovative solutions Farmers' Network and Multi-actors ecosystem

Trustful methodologies Metrics & standards Integral sustainability Systemic Implementation & evaluation Peer-to-Peer learning Scalling up Living lab EU wide scenarios Innovative business models Carbon credit platform

08/07/2022 1st public policy workshop: Climate-neutrality and food security



#### **Expected Impacts**





Improving the overall sustainability of food systems.



Improving the resilience of food systems to shock and stress.



# Follow us on our digital channels!









ClieNFarms Coordinator: Jacques-Eric Bergez (INRAE, AGIR) jacques-eric.bergez@inrae.fr

General email: clienfarms@gmail.com





This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101036822