

#### ClieNFarms in a nutshell

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CGIAR: MITIGATE + meeting, 11/05/2022

# The project at a glance

EU contribution: € 11 999 974,78 Overall Budget: € 13 639 536



Testing and demonstrating systemic innovations in support of the F2F Strategy.

(LC-GD-6-1-2020)

33 partners & European countries



#### Goal

An Innovation Action project, funded by the European Commission in supporting of the European Green Deal, that aims to co-develop and upscale systemic locally relevant solutions to reach climate neutral and climate resilient sustainable farms across Europe. 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 no day without alarming news



# warming hits UK birds

chicks at all."

moving northwards as the as water warms, leaving the hely fish with nothing to feed on. This is being seen in the





Manure applied to soils



Manure left on pasture



Manure management & housing



**Synthetic** fertilizers



Crop residues



Agriculture is part of the problem





Manure applied to soils



Manure left on pasture



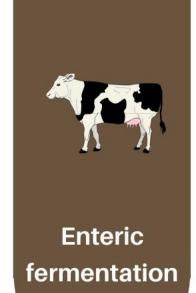
Manure management & housing



Synthetic fertilizers



Crop residues



Agriculture is part of the problem

Climate neutrality
Pathways for achieving the European Green Deal objectives

The European telem is committed to becoming disease neutral by 2005. This transition is executed if we want to avoid catastrophic disease change Charaster executions in ferral first loss and increased environments in gene reconseques, cata enverage and transport, a more efficient industrial base, and climater-friendly food systems will be all the heart of arbitroing this goal.

The all research projects featured in this CROSIS itesuals beautive above developed a unit of dools that are able to assess the benefits, costs,

risks and trade-offs of climate mostality stotelepis. This provides a solid bedook on which policymakers, business and socio informed chices about the best note to a generic, clienter and more equitable future for Europe. To access the full pack please go to: cords.auropa.eu/articleid/41.8144 CLIMATE CHANGE
MITIGATION AND
AGRICULTURE

THE ROLE OF
AGRICULTURE IN
CLIMATE CHANGE
MITIGATION

EDITED BY
Lucjan Pawlowski, Zygmunt Litwińczuk,
and Guomo Zhou

EVA WOLLENBERG, ALISON NIHART,
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AND MARYANNE GRIEG-GRAN

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 I3S.







#### **Innovative**

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

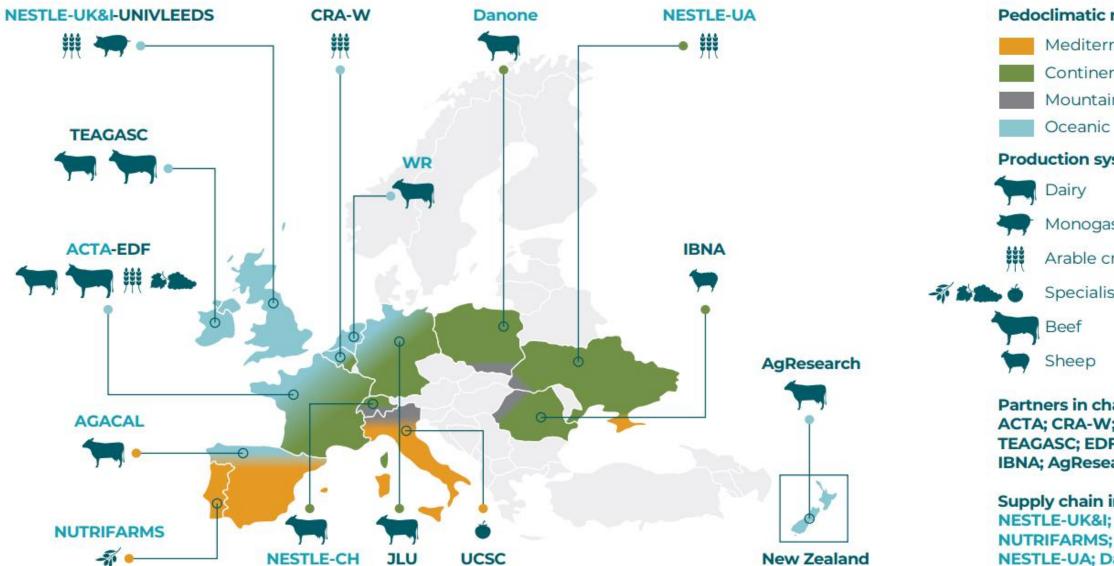
#### **Systemic**

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.









Continental

Mountain

#### **Production systems**

Monogastrics

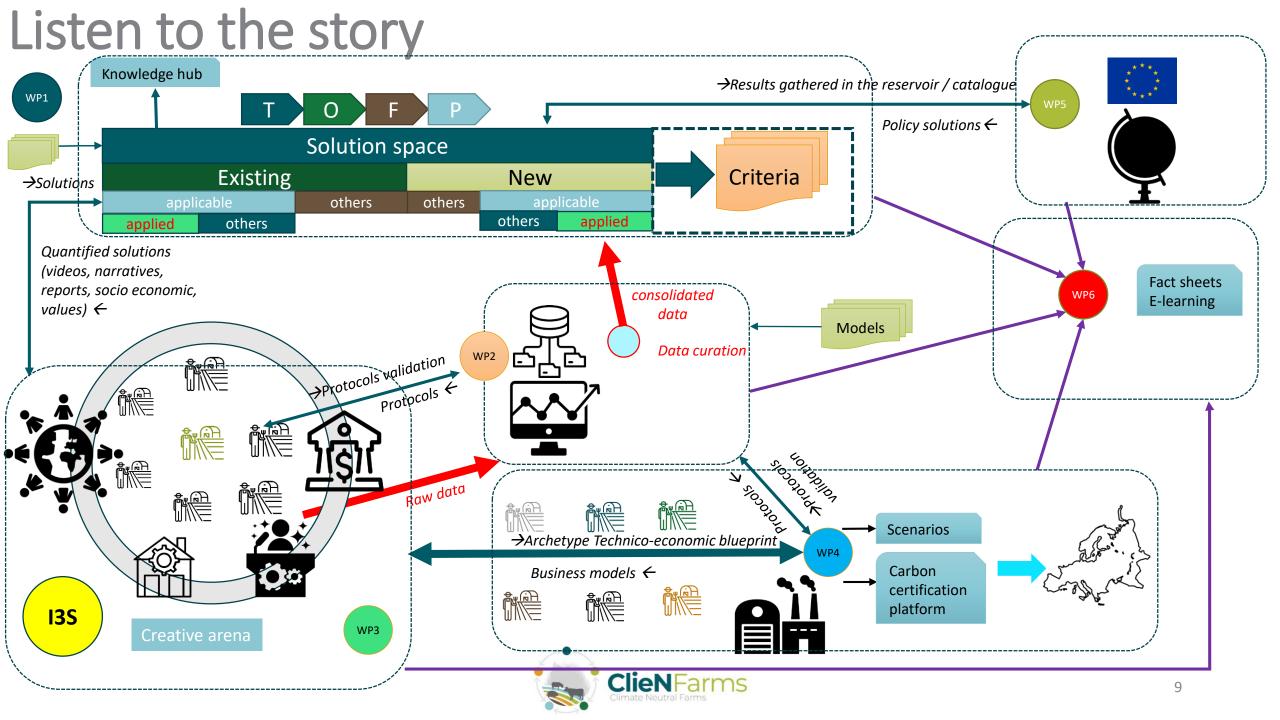
Arable crops

Specialised culture

Partners in charge of I3S ACTA; CRA-W; UNIVLEEDS; TEAGASC; EDF; JLU; UCSC; IBNA; AgResearch; WR

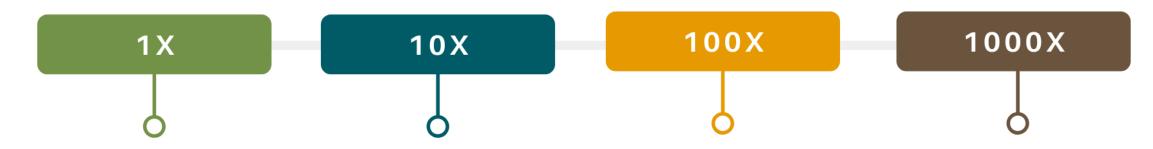
Supply chain involved **NESTLE-UK&I**; AGACAL; **NUTRIFARMS; NESTLE-CH; NESTLE-UA**; Danone





### Overall concept

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



# Demonstration Farms (DF)

Farms that are experimental/research sites on which a range of existing solutions will be tested, to reduce GHG emission and increase Carbon storage and sequestration.

# Lead Commercial Farms (LCF)

Commercial farms who are pioneers in innovation testing and are well connected to the DFs, contextualizing prototypes in an operational environment.

## Outreach Farms (OF)

Comprises the surrounding network of the LCFs. Several events regarding this network will be organized, allowing the project results to be presented and empowering farmers for adoption.

# Replication Farms (RF)

Includes the replication of successful systems through the supply chains that are either local, national or even international.

# 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



#### **WP1 - I3S European Solution Space**

I3S network architecture and management rules

Baseline of the carbon footprint of I3S

Knowledge reservoir and catalogue of solutions

#### **WP2 - I3S Methodology Development**

Multi-criteria analyses and theoretical framework

Catalogue of strengths and weaknesses of models Toolkit "prototype"
evaluation & subsequent
"best management
practice(s)"

WP7

**PROJECT MANAGEMENT** 

#### **WP3 - I3S Farm Deployment**

Demonstration farms and I3S for each farm

Action plans for each Lead Commercial Farm

Quantification of the impact of I3S to achieve climate neutrality

Barriers to adoption/uptake of technologies by farmers

#### WP4 - Scaling-up impacts of I3S

Holistic scaling approach for I3S Business models for sourcing district transformation

Carbon credit platform EU wide scenarios for climate neutral farms

# WP5 – Synergies with other EU projects, policies and initiatives

Cooperation with Commission services

Synergies with other Green Deal projects

International Advisory Board

#### WP6 - Communication, Dissemination, Training and Exploitation

Website, social media, newsletter

Activating the community of production chain actors

Dissemination of project results

Training activities & capacity building

Exploitation plan

### **Expected Impacts**

Demonstrate that innovative systemic solutions have the potential to generate positive impact by 2030.

Achieving climate neutrality of farms and farming systems

Reducing GHG emissions

Increasing carbon sequestration and storage



### **Expected Impacts**



Providing sufficient, safe, nutritious, healthy and affordable food for all.



Improving the overall sustainability of food systems.



Improving the resilience of food systems to shock and stress.



# Follow us on our digital channels!































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AGACAL
AXENCIA GALEGA
DA CALIDADE ALIMENTARIA

























































