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# The role of demo farms in climate change mitigation

Implementation of the Climate Farm Demo project in Hungary

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# Climate Farm Demo in a nutshell

A EUROPEAN-WIDE NETWORK OF PILOT FARMERS IMPLEMENTING AND DEMONSTRATING CLIMATE SMART SOLUTIONS FOR A CARBON NEUTRAL EUROPE

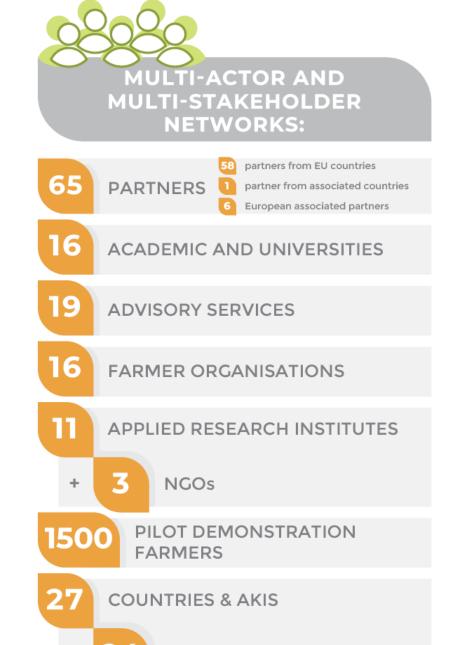
HORIZON-CL6-2021-CLIMATE-01-04; HORIZON Coordination and Support Actions

- Duration: 01.10.2022 30.09.2029 (7 years)
- Partnership: 80 partners from 27 countries
- Lead partner: IDELE (France)
- Project budget: EUR 21 487 132
- SZE budget: EUR 197 812,50



### About Climate Farm Demo...

Climate Farm Demo is a unique pan-European network of Pilot Demo Farmers (PDFs) covering 28 countries and all pedoclimatic areas.



CAP NETWORKS

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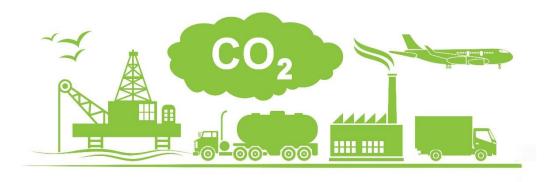
### About Climate Farm Demo...

CFDs overall aim it to accelerate the adoption of Climate Smart Farming (CSF) practices and solutions by farmers and all actors of the Climate Smart AKIS with a view of adapting agricultural production systems to climate change.

# Aim of the CFD project



- Climate Farm Demo will strengthen European farmers' capacities to implement, demonstrate and uptake Climate Smart Farming (CSF) practice across the EU and
- reduce their GHG emissions by 35% along the project life thus achieving the EU 2030 Climate Target Plan



#### MEMBER STATE GREENHOUSE GAS EMISSION REDUCTIONS PURSUANT TO ARTICLE 4(1)

Cutting EU
greenhouse gas
emissions:

Examples for national targets for 2030

	Member State greenhouse gas emission reductions in 2030 in relation to their 2005 levels determined in accordance with Article 4(3)	
Column 1	Column 2	
- 35 %	-47%	
- 0 %	-10%	
- 14 %	-26%	
- 39 %	-50%	
- 38 %	-50%	
- 13 %	-24%	
- 30 %	-42%	
- 16 %	-22.7%	
- 26 %	-37.7%	
- 37 %	-47.5%	
- 7 %	-16.7%	
- 33 %	-43.7%	
- 24 %	-32%	
- 6 %	-17%	
- 9 %	-21%	
- 40 %	-50%	
- 7 %	-18.7%	
	2005 levels determined in a       Column 1       - 35 %       - 0 %       - 14 %       - 39 %       - 38 %       - 13 %       - 30 %       - 16 %       - 26 %       - 37 %       - 33 %       - 24 %       - 6 %       - 9 %       - 40 %	

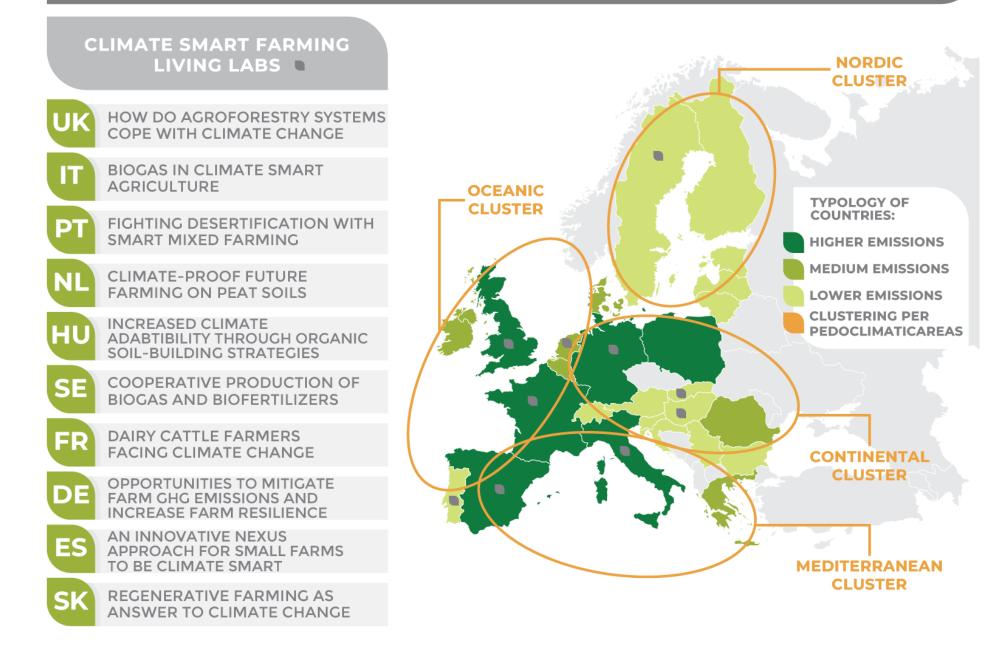
Source: <u>European</u> <u>Commission proposal</u> for update to Regulation (EU) 2018/842

# Specific objectives of CFD



- Network Pilot-Demo-Farmers (PDFs)
- Boost climate smart farming knowledge exchange
- Support PDFs in implementing Climate Smart Farming practices
- Increase innovation uptake
- Incentivise the adoption of Climate Smart Farming practices across Europe

#### EUROPEAN NETWORK AND TYPOLOGY OF COUNTRIES



# Adaptation and Mitigation Thematic Areas

- · Grassland management
- Forage production
- Crops management
- Soil health and biodiversity
- Agroforestry and relation to landscape
- Energy management
- · Biogaz production
- Water management
- · Herd management
- Manure storage and spreading
- Additives for reducing enteric methane emissions
- Rewarding mechanisms



AT LEAST 30% REDUCTION IN GHG EMISSION DURING THE PROJECT



ON-FARM DEMONSTRATION EVENTS REACHING 150 000 FARMERS



ACTORS ENGAGED IN PEER-TO-PEER LEARNING



NATIONAL DISSEMINATION AND COMMUNICATION STRATEGIES

HIGH-POSITIVE IMPACT ON FARMERS, AGRIBUSINESS, CONSUMERS AND SOCIETY



H2020 / GREEN DEAL PROJECTS/ EIP-AGRI SERVICE POINT

NATIONAL PROJECTS, EIP-AGRI OPERATIONAL GROUPS IN 27 COUNTRIES

"SISTER PROJECTS" FUNDED UNDER HORIZON EUROPE

"SOIL HEALTH AND FOOD" MISSION PARTNERSHIP ON "AGROECOLOGY LIVING LABS"

INTERNATIONAL ORGANISATIONS DEALING WITH CLIMATE CHANGE

### National networks

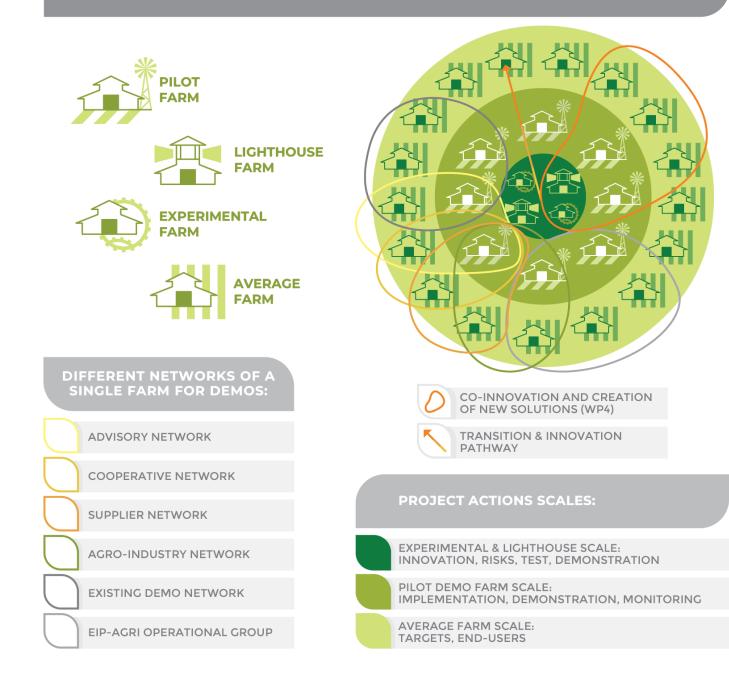
Each country establishes a network composed of

- Pilot-Demo-Farms (PDFs),
- Experimental Farms (EFs) linked to universities, research institutes and advisory services,
- Lighthouse Farms (LFs)

Number of farms to be involved in the project per partner country:

Emissions	Countries	Number of farms per country
Higher	FR, DE, ES, <b>IT</b> , PL, UK	130
Medium	<b>IE</b> , NL, RO, BE, DK, <b>EL</b>	60
Lower	AT, BG, EE, HR, LV, LT, LU, <b>HU</b> , PT, <b>SL</b> , SK, FI, SE, RS, <b>CH</b>	25

#### EXAMPLE OF NATIONAL NETWORK



### ROLES IN THE NETWORK...



Pilot Demo Farmer (PDF)



Climate Farm Advisor (CFA)



National coordinator (NC)



Thematic leader (TL)

## SZE project activities

WP 1 Networking farms and managing knowledge exchange
Co-leader: SZE

 Task 1.3: Managing knowledge exchange on the national level Lead: SZE

Development, implementation and evaluation of annual national network plans and knowledge exchange

Development of basic guidelines/documents:

- Guidelines for national KE plans & meetings SZE
- How to set up a national network? cooperation with other tasks

## SZE project activities

- D1.1 Conceptual framework for network management and knowledge exchange on CSF
- D1.2 Database of 1500 pilot demonstration farms on climate-smart farming
- D1.3 Good practices for LH farm development
- D1.4 Recommendations for CSF-related networking, knowledge exchange and capacity building



### PILOT DEMO FARMERS (PDF)



Develop, implement and monitor/evaluate an Adaptation and Mitigation Plan with CFA

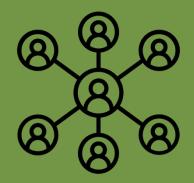


Provide farm data for the database and for measuring progress towards AMP objectives 222

Participate in annual meetings



Host 3 demo farm walks



Participate in network activities with other farmers



Participate in training



### CLIMATE FARM ADVISOR (CFA)



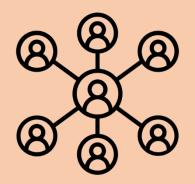
Be the direct contact point for the farmers in the project



Assist the PDF in developing, implemen-ting and monitoring/ evaluating the Adaptation and Mitigation Plan



Organise demo events, activities and trainings with and for farmers



Participate in national and thematic network meetings



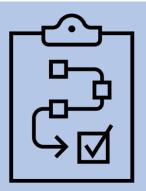
Use M&E checklists to monitor PDF progress and activities; report to NCs and upload to the platform



Participate in trainings



### NATIONAL COORDINATOR (NC)



Develop, implement and monitor/evaluate national network plans and KE



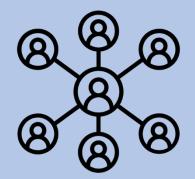
### Support and follow up on CFAs in their tasks and report on the platform

NMB

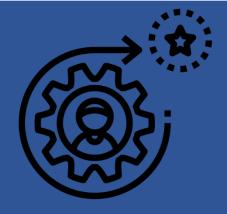
Participate in 3 monthly meetings with the NMB

222

Organise annual meetings and trainings for CFAs and PDFs



Link to national and regional policy makers and contribute to the strategic plan for PIPs



Participate in trainings





### Thank you for your attention.

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