



LIFE Green Sheep : for a low carbon and sustainable sheep farming

Sindy Throude – Idele
sindy.throude@idele.fr

LIFE19 CCM/FR/001245 - LIFE GREEN SHEEP



Key figures of the project

1,637 sheep farmers, 5 countries, 47% of the EU meat sheep production and 63% of the EU milk sheep production

39 partners

Reduce GHG emissions in sheep farming by 12% while ensuring farm sustainability



Key figures of the project

LIFE GREEN SHEEP IS:

5 years
European project,
from October 2020
to September 2025



€ **4,6 M**
budget



1 355
demonstrative
farms involved



40 partners from
5 European countries



Reduce by **12 %**
GHG emissions while making
sure farms are sustainable



282
innovative farms
involved in the
implementation of
action levers

Objectives of the project

Reduce by 12% the carbon footprint of milk and meat produced in sheep farms

Launch a national and European dynamic progress initiative to reduce greenhouse gas emissions while ensuring sustainability of sheep farms

Create an national and European observatory of environmental and sustainable performances of sheep production systems

Train current and future generations

Promote innovative practices associated with GHG emissions mitigation in order to ensure the techno-economic, environmental and social sustainability of sheep farms



LIFE Green Sheep Partnership

IRELAND



AGRICULTURE AND FOOD DEVELOPMENT AUTHORITY

NEIKER

MEMBER OF
BASQUE RESEARCH
& TECHNOLOGY ALLIANCE

SPAIN



FRANCE



ROMANIA



ITALY



UNIVERSITÀ DEGLI STUDI DI SASSARI

Laore

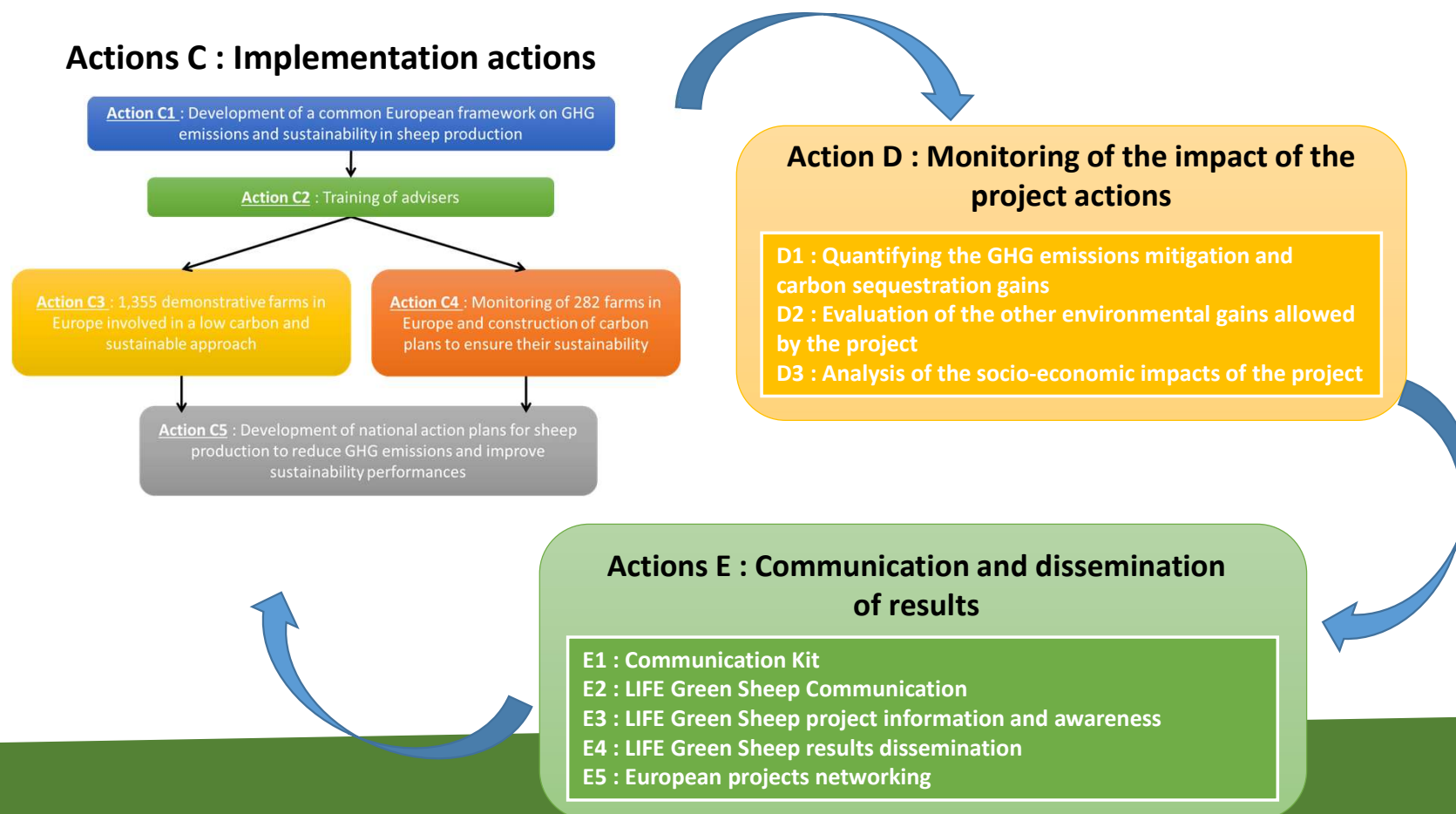
Agencia regionale
pro s'isvilupu in agricultura
Agencia regionale
per lo sviluppo in agricoltura



Actions foreseen in the project

Actions F : Project management and monitoring of the project progress

Actions C : Implementation actions



Schedule



- Over the 5 years of the project
 - Regarding actions E, D and F : throughout the project duration
 - Regarding actions C :

2nd year of
the project

Action		2020				2021				2022				2023				2024				2025			
Action number	Name of the action	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
C. Implementation actions (obligatory)																									
C.1	Development of a common European framework on GHG emissions and sustainability in sheep production				■	■	■	■	■	■	■	■													
C.2	Training of advisers					■	■	■	■	■	■	■													
C.3	1,355 demonstrative farms in Europe involved in a low carbon and sustainable approach					■	■	■	■	■	■	■	■	■	■	■				■	■	■	■		
C.4	Monitoring of 282 pilot farms in Europe and construction of carbon plans to ensure their sustainability					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			
C.5	Development of national action plans for sheep production to reduce GHG emissions and improve sustainability performance																	■	■	■	■	■	■		



Action C1

Action C	Tasks
C1 : Development of a common European framework on GHG emissions and sustainability in sheep production	1-Development of a common carbon footprint assessment methodology
	2-Development of a common sustainability assessment
	3-Tools update and building up
	4-Common GHG mitigation synthesis

- This action will allow to perform farms assessment and development of a common framework composed of innovative practices aiming at reducing GHG emissions and increasing carbon sequestration while ensuring farms sustainability.
- Develop :
 - inventory of the existing methodologies/tools used in the different participating countries, knowledge sharing on the different approaches.
 - Task 1: build a common **methodology** on carbon footprint (task 1),
 - Task 2: environmental impacts and socio-economic **indicators assessment** (task 2),
 - Task 3 and **propose specific tools** adapted to each production context in France, Ireland, Italy, Romania and Spain
 - Task 4: identify list of promising mitigation practices



Action C	Tasks
C2 : Training of advisers	1-Construction of a harmonized training kit
	2-Advisers training courses

Action C2

- Objectives of this action:
 - to build a **common knowledge on** farm assessments / on-farm demonstrations (CH4 mitigation) / dissemination
 - to provide a **harmonised training content**
 - build a **network of 143 advisers & train them**
 - their **awareness & commitment**
- Tasks foreseen :
 - Task 1: construction of a harmonized training kit
 - Task 2: advisers' training sessions



Actions C3 & C4

- Main objectives of these actions

- Action C3 : 1 355 demonstrative farms

- Creating a national and European observatory with 1,355 sheep farms in contrasting production contexts,
 - Determining the environmental efficiency and the sustainability performances of farms according to production systems and practices,
 - Achieve 5% GHG mitigation on demonstrative farms scale.

- Action C4 : 282 innovative farms

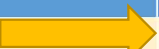

- Developing innovative farms with a low carbon footprint,
 - Demonstrating the feasibility of mitigation practices in real conditions,
 - Evaluating the technical, environmental and economic benefits of adopting mitigation GHG practices at farm level,
 - Achieve 12% GHG mitigation on innovative farms scale.

Action C	Tasks
C3 : 1,355 demonstrative farms in Europe involved in a low carbon and sustainable approach	1-Demonstration farms' sample constitution
	2-Environmental and sustainability assessment on demonstrative farms
	3-Assessment synthesis and analysis
C4 : Monitoring of 282 farms in Europe and construction of carbon plans to ensure their sustainability	1-Innovative farms' sample constitution
	2-Initial environmental assessment
	3-Pilot action plan applied on farms
	4-Performance monitoring
	5-Social, economic and environmental benefits calculation and Synthesis



Actions C3 & C4

• Task 1: Farms' sample constitution

Action C	Tasks
 C3 : 1,355 demonstrative farms in Europe involved in a low carbon and sustainable approach	1-Demonstration farms' sample constitution
	2-Environmental and sustainability assessment on demonstrative farms
	3-Assessment synthesis and analysis
 C4 : Monitoring of 282 farms in Europe and construction of carbon plans to ensure their sustainability	1-Innovative farms' sample constitution
	2-Initial environmental assessment
	3-Pilot action plan applied on farms
	4-Performance monitoring
	5-Social, economic and environmental benefits calculation and Synthesis

Country	Regions	Meat sheep farms	Milk sheep farms
France	Occitanie	192	85
	Nouvelle-Aquitaine	240	100
	Auvergne-Rhône-Alpes	142	-
	Provence-Alpes-Côte d'Azur	90	-
	Grand-Est	36	-
Ireland	All regions	180	-
Italy	Sardinia	-	100
Romania	Sud-Muntenia	5	30
	Sud-Est	15	10
	Centru	5	35
Spain	Aragon	30	-
	Basque Country	-	30
	Castille y Leon	-	30
TOTAL		935	420

1,355

Country	Regions	Meat sheep farms	Milk sheep farms
France	Occitanie	47	30
	Nouvelle-Aquitaine	43	26
	Auvergne-Rhône-Alpes	31	-
	Provence-Alpes-Côte d'Azur	20	-
	Grand-Est	14	-
Ireland	All regions	20	-
Italy	Sardinia	-	16
Romania	Sud-Muntenia	1	3
	Sud-Est	1	1
	Centru	1	3
Spain	Aragon	10	-
	Basque Country	-	10
	Castille y Leon	-	5
TOTAL		188	94

282

Action C5

Action C	Tasks
C5 : Development of national action plans for sheep production to reduce GHG emissions and improve sustainability performances	1-Mitigation action plan
	2-Acceptability of the Green Sheep project approach by farmers and advisers
	3-Partnership strategy to develop the Green Sheep action plans

- Objectives of this action :
 - Establishing 22 low carbon and sustainable action plans corresponding to the main production systems existing in the five countries,
 - Collecting and analyzing farmers' and advisers' feedback regarding the project and the low carbon and sustainable approach, GHG emissions issue, action levers applied in innovative farms and tools used.
 - Describing the partnership strategy to be put in place for the wide spreading of a Green Sheep action plan
- Tasks foreseen :
 - Task 1: build a mitigation action plan per production system and per country
 - Task 2: Acceptability of the Green Sheep approach by farmers and advisers
 - Task 3 : Partnership strategy to develop the Green Sheep action plans

