



***CARBON AGRI,
a "low-carbon label" method for boosting
low-carbon initiatives in the mixed crops
livestock sector***

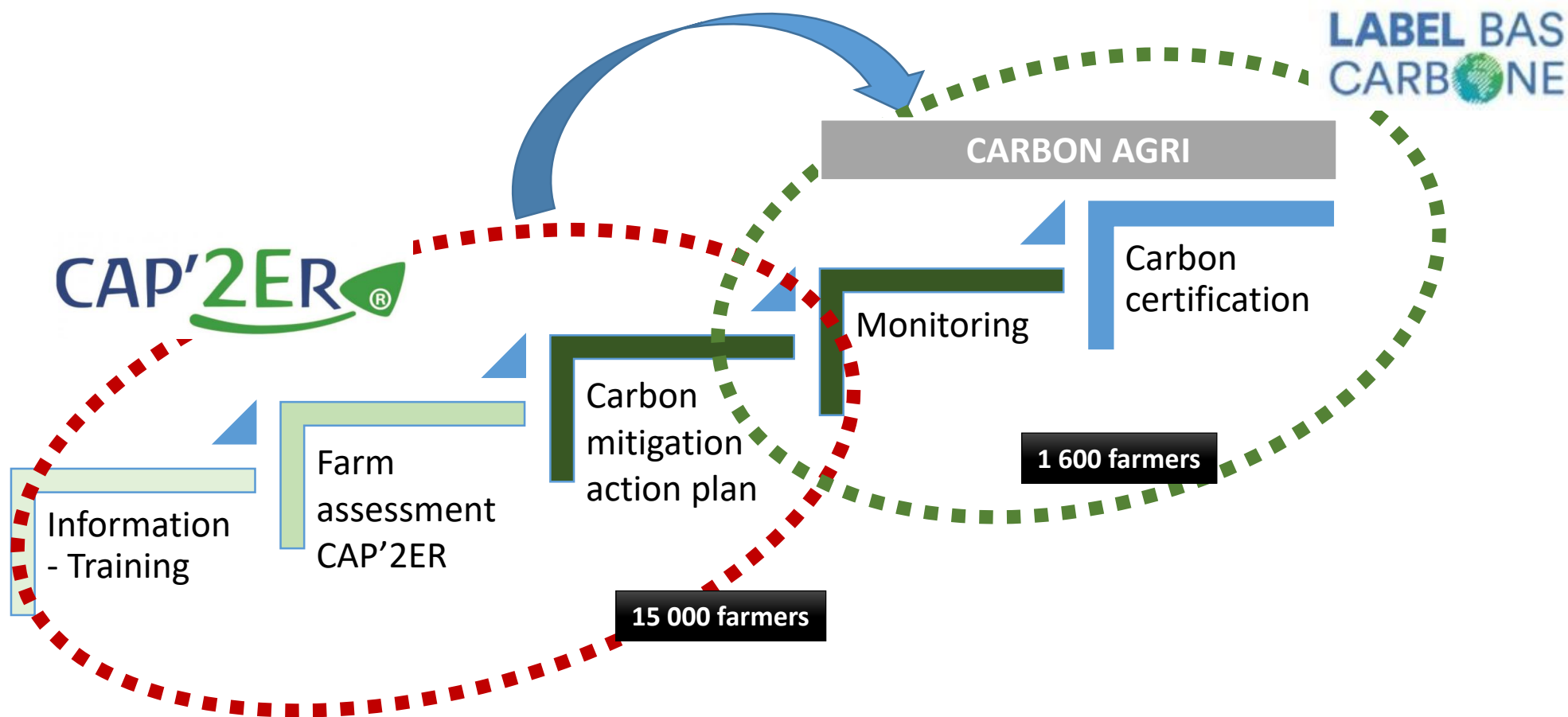
Anaïs L'Hôte, Catherine Brocas

Institut de l'Élevage – French Livestock Institute

“Carbon Farming, from Policy to Practice : a case study from France”

15th December 2021

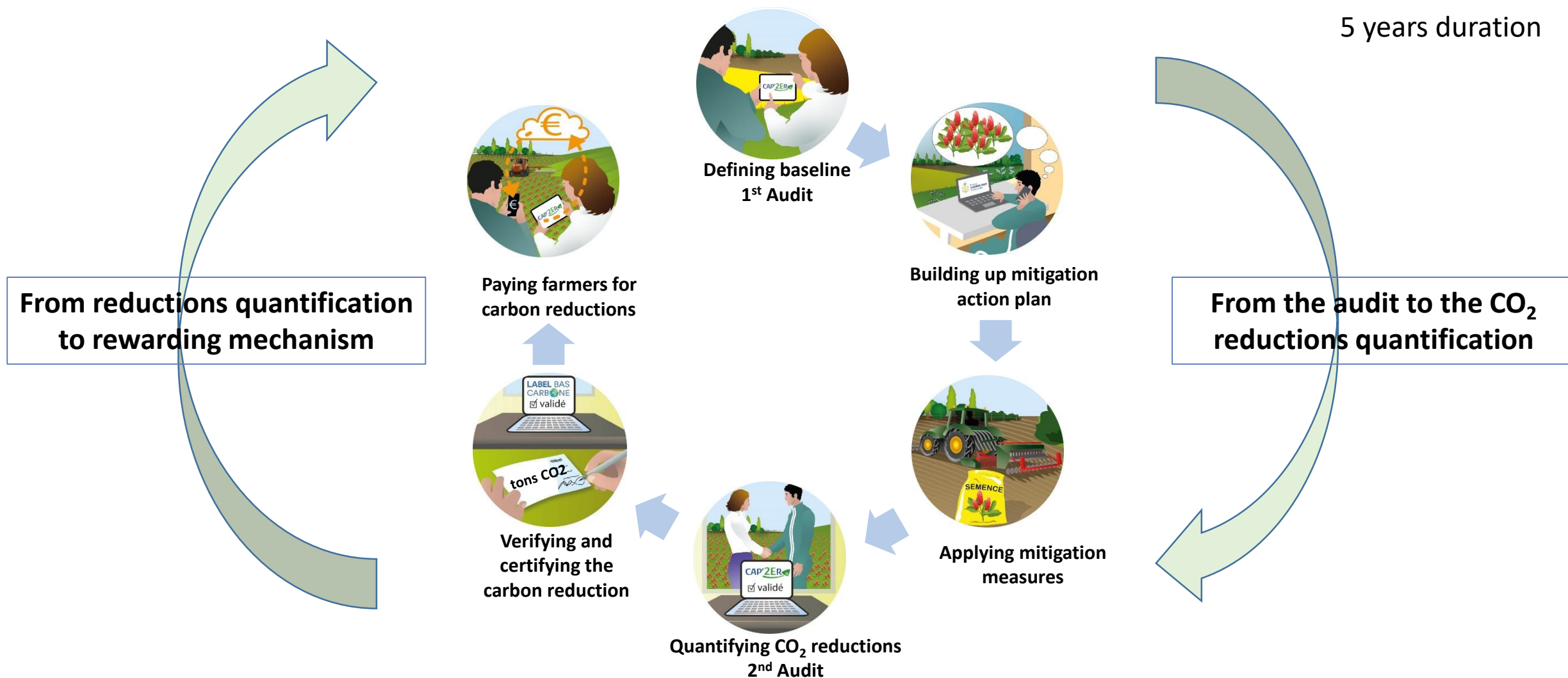
Involving farmers in a national carbon certification



CARBON AGRI : A result based methodology

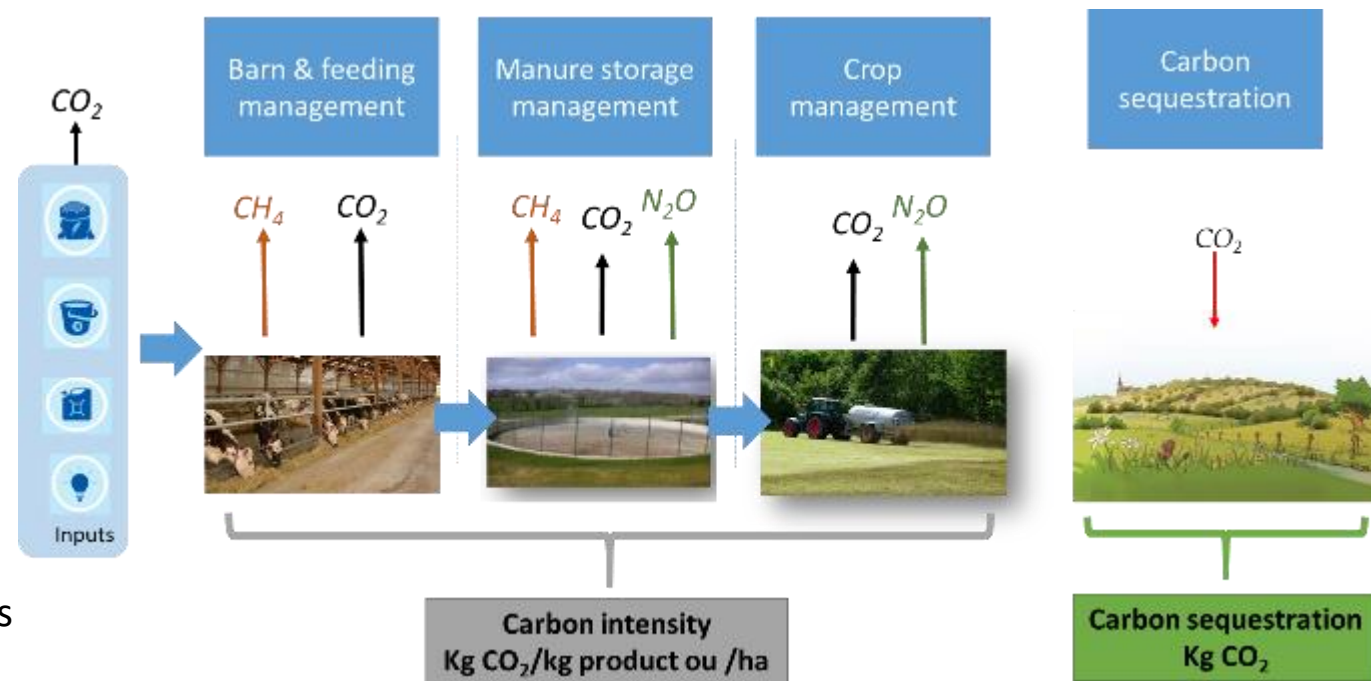
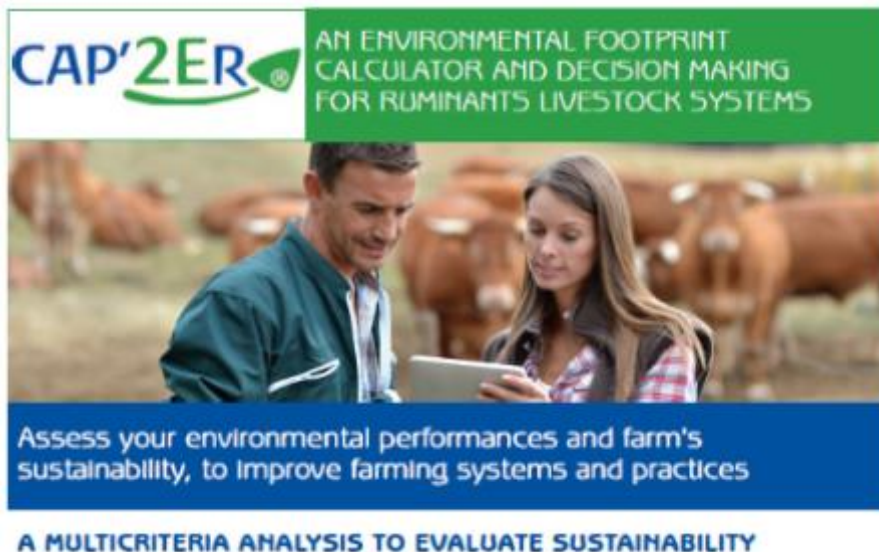


5 years duration





Audit for making the reference/baseline



Methodology: In accordance with IPCC and main guidelines



Certified by





Building up a mitigation action plan among 40 mitigations practices



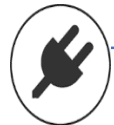
GHG emissions

Carbon sequestration



Inputs

Pasture management,
Concentrates and fertilizers,
Legumes, Crops rotation



Fuel and electricity

No-till cultivation,
Power and equipment,
Working organization



Crops management & fertilization

Legume fodder crops,
Optimization of fertilizers uses



Herd management

Increasing productivity
Reducing number of unproductive
animals



Feed

Feed efficiency,
Forage quality and yield



Manure management

Time spent in shed vs pasture,
Biogas production



Cover crops

Introduce more
intermediate crops,
more row intercropping
and more
grass strips

Avoid bare soil

Never leave
soil bare
and work it less,
for example by
using no-till methods

Agroforestry

Add to the
hedges at field
boundaries
and develop
agroforestry

Grassland management

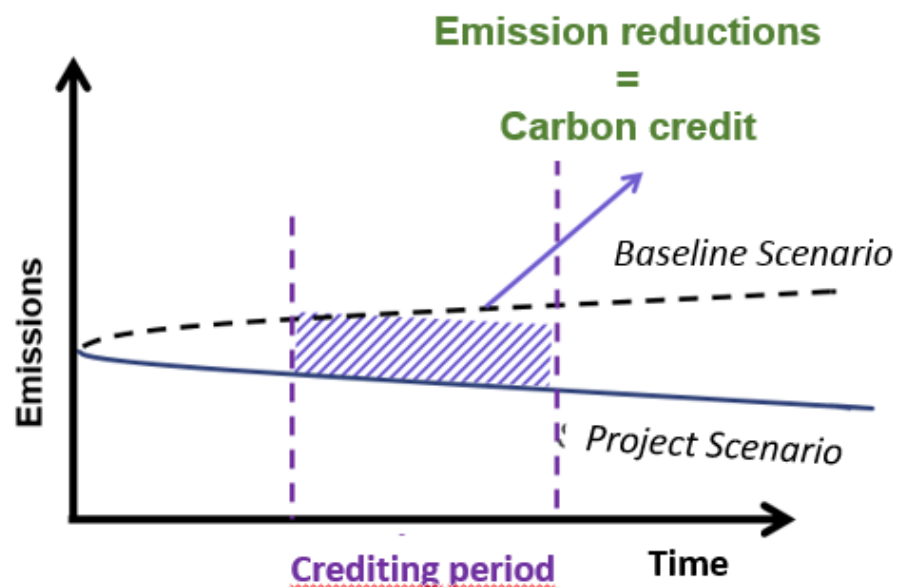
Optimize
pasture management
- with longer
grazing periods,
for example



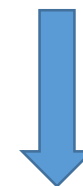
A reduction of carbon footprint up to 15 to 20%
→ 300 to 400 tons CO₂ on a 5 years period



Carbon reductions Quantification, Verification and Certification



External auditor

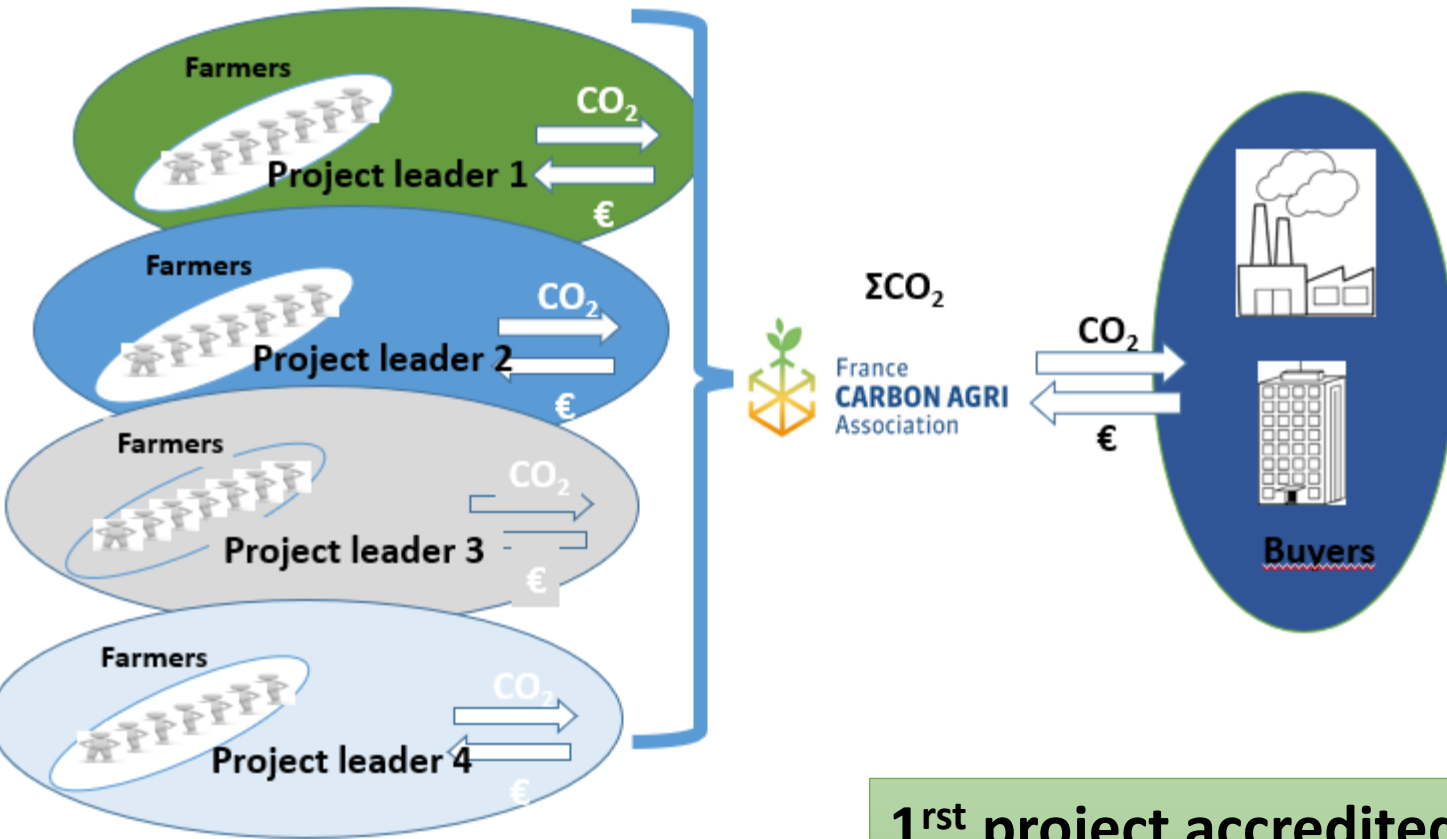


**LABEL BAS
CARBONE**



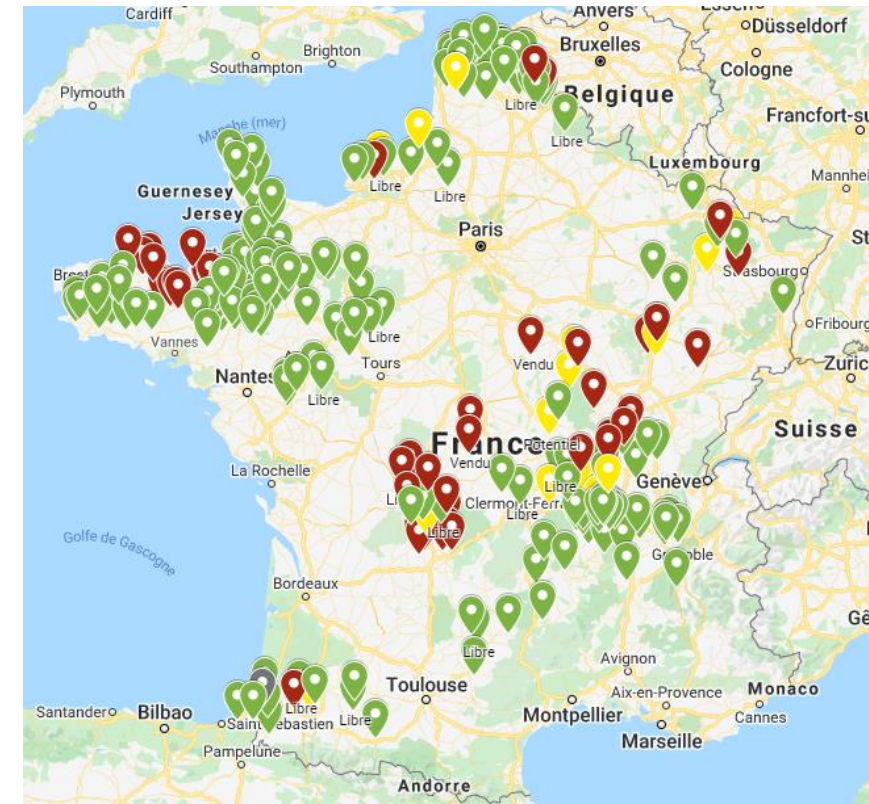
France CARBON AGRI Association

Project's implementation



1st project accredited 2021

- 300 farmers
- 137 000 t CO₂ reductions



EU Dimension – Carbon rewarding mechanisms

LIFE CARBON FARMING project - 2021-2027



Action C1: Elaboration of harmonized tools and standards for implementing carbon farming initiatives
Tool farm kit, MRV standard, engineering tools

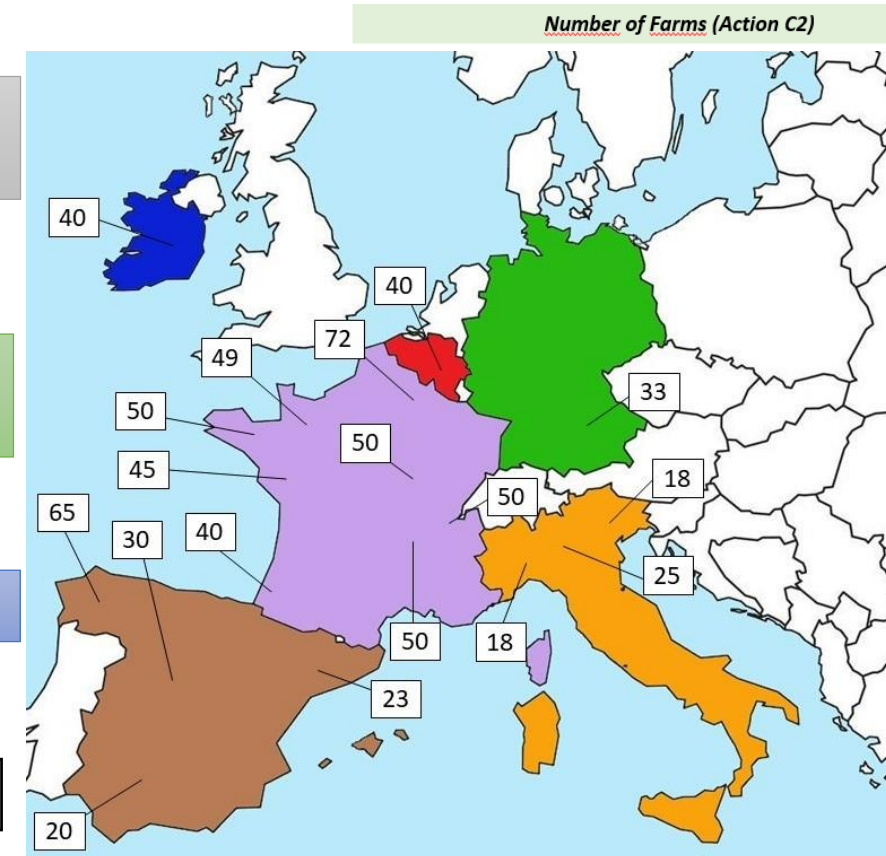
Action C2: CFPs implementation in 700 mixed crop livestock farms projects in France, Ireland, Belgium, Germany, Spain and Italy

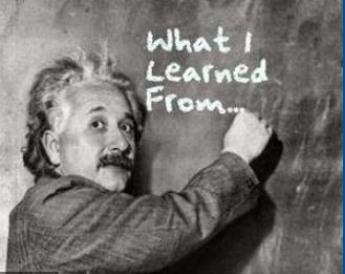
Action C3: Elaborating CFP referential costs

Action C4: Applying result based carbon funding mechanism

Action C5: Setting up a low carbon network

Action C6: A common framework for a European CARBON FARMING strategy





CARBON AGRI, conclusion



- **An innovative mechanism**
 - For quantifying and certifying GHG reductions in agriculture (Robust MRV system is essential for the results-based approach)
 - For developing a transparency accounting and communication
 - To remove barriers in applying mitigation practices
 - To support farmers in reducing GHG emissions and increasing carbon sequestration
 - To mobilize innovative funds for local climate actions

**A mechanism for boosting low carbon initiatives
and moving to net zero carbon**

Thanks for your attention

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