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Environmental Evaluation, Idele





# Low carbon farming, towards a certification

Institut de l'Elevage – French Livestock Institute

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## French initiative to reduce carbon intensity in cattle farms



Target: Reducing by 15 to 20 % the milk and beef carbon footprint

□ LOW CARBON DAIRY FARM (since







SODIAL Coopérative UNION









(since 2016)





























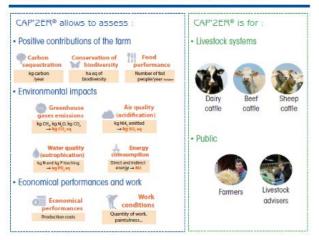


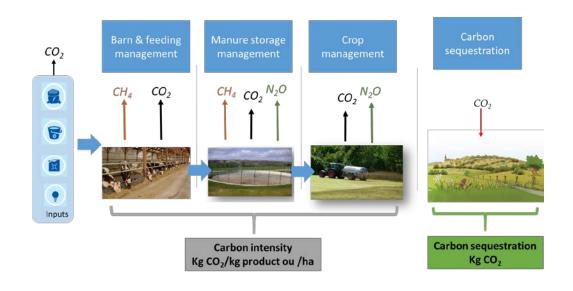
## Assessing and improving environmental practices on farms





#### A MULTICRITERIA ANALYSIS TO EVALUATE SUSTAINABILITY







## A methodology for capturing more than 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,

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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



Avoid bare soil

Agroforestry

**Grassland management** 







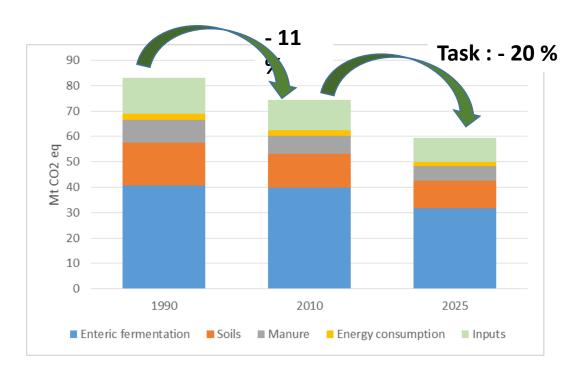




### Progress already reached and task for tomorrow

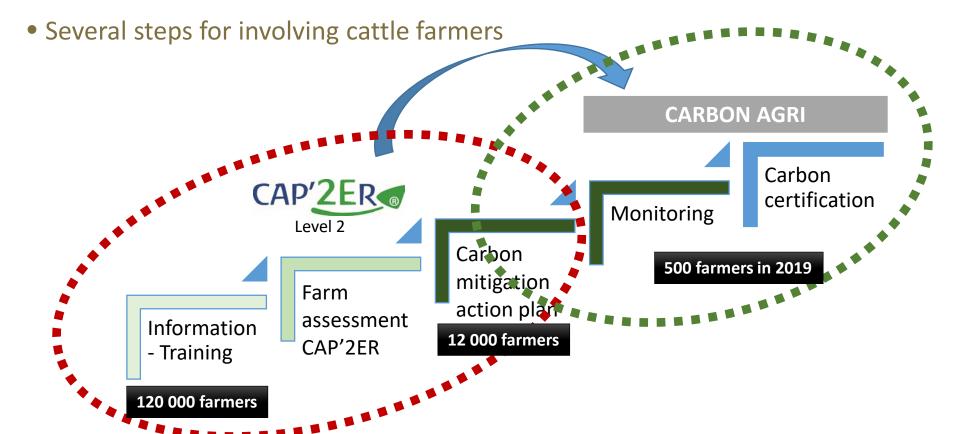


GHG emissions from the bovine herd in France



### From carbon audit to carbon certification



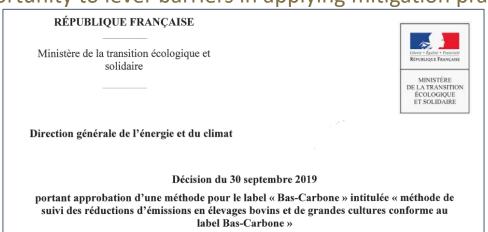


## CARBON AGRI: a methodology to certify carbon reduction



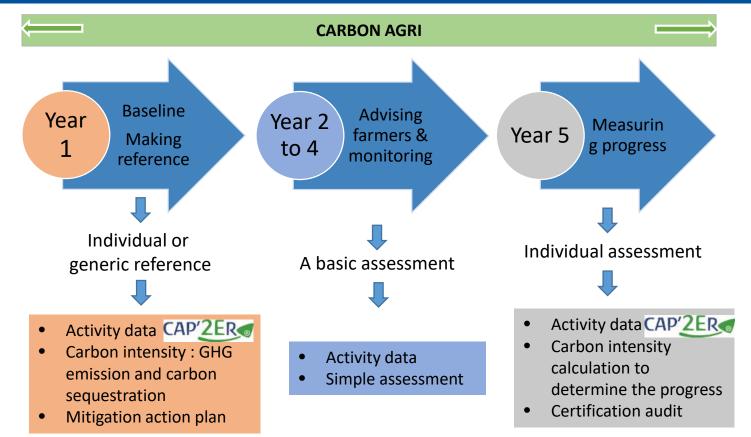
- Approved by the French Ministry of Ecological Transition
- Concerns cattle and crop productions
- Provides
  - highlightings & certifications of the agriculture's contribution in tackling climate change
  - payment for farmers, an opportunity to lever barriers in applying mitigation practices





### Monitoring the progress

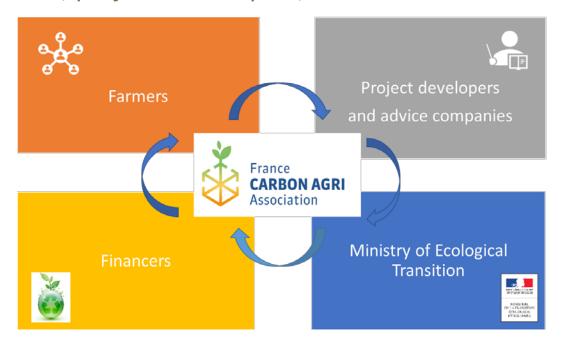




### Projects implementation



• France CARBON AGRI association, a way to reduce engineering costs and to merge farmers, projects developers, advisers and financers expectations





## Thanks for your attention

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