

# Farmers adopting mitigation best practices

#### Life Beef Carbon

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#### **Context** (2012-2014)

- Beef production contributes to greenhouse gases (GHG) emissions <u>and</u> to carbon sequestration
- Some mitigation practices have been identified without dissemination
- No tool has been developed for GHG advice on farm
- Farmers were not really aware about GHG and carbon sequestration







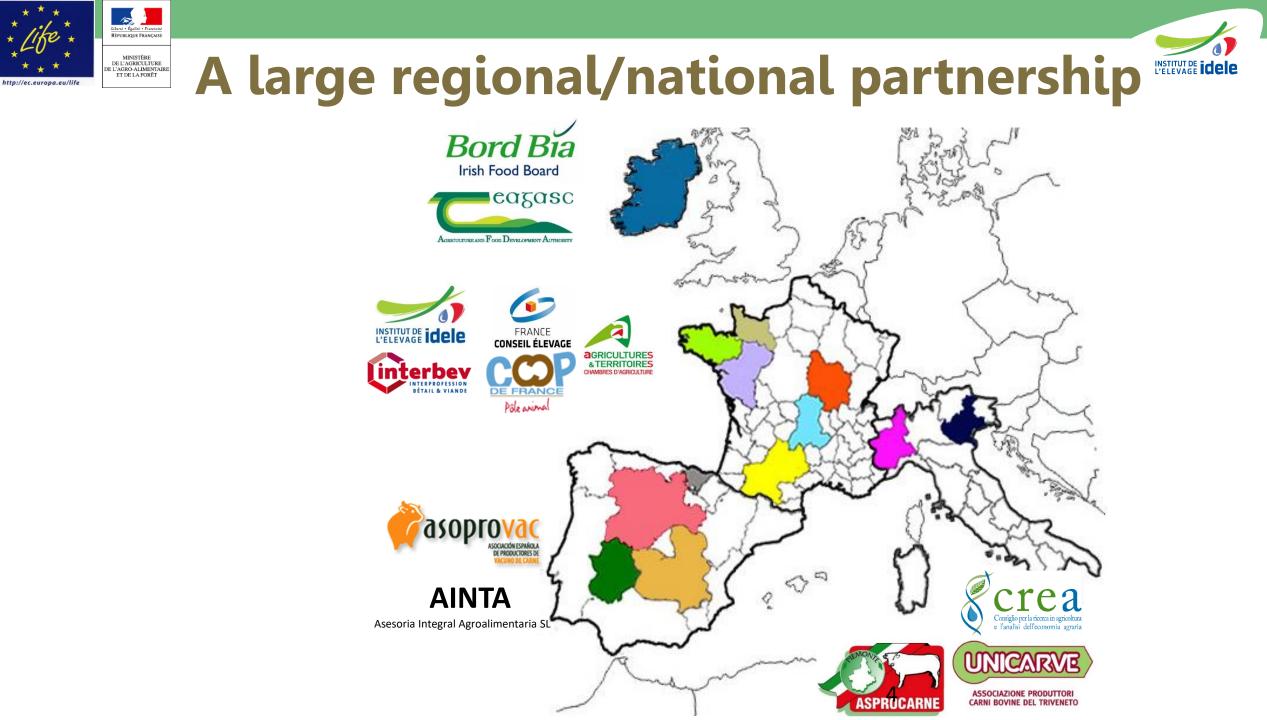
#### **LIFE BEEF CARBON action plan**

January 2016 – December 2020



#### Reducing the beef carbon footprint of 2,000 farms by 15%









### 1- A common framework on GHG

#### Tools comparison and harmonization



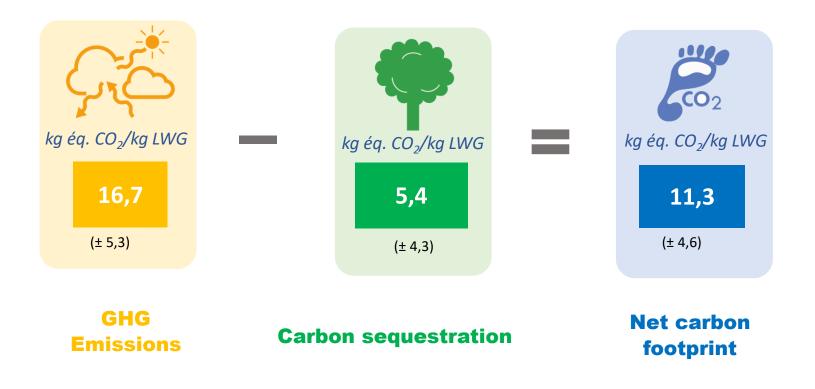
Inventory of mitigating practices at farm level





#### Common indicator: kg eq CO2 / kilogram of liveweight gain

#### First results on 1800 farms







### **2- Train farmers and technicians**

#### Individual and collective training sessions

- 2,000 farmers
- 190 technicians/advisers

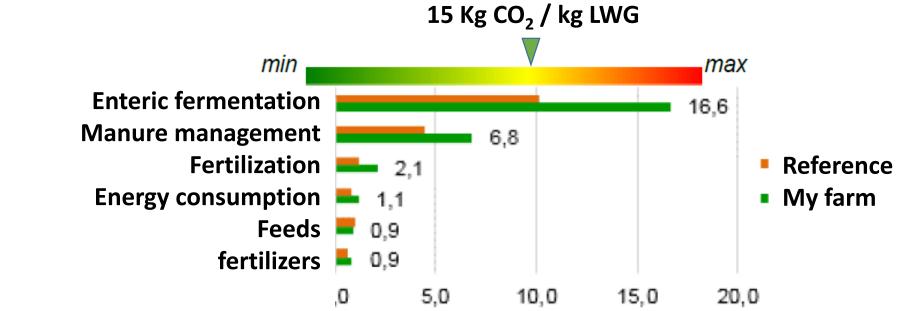


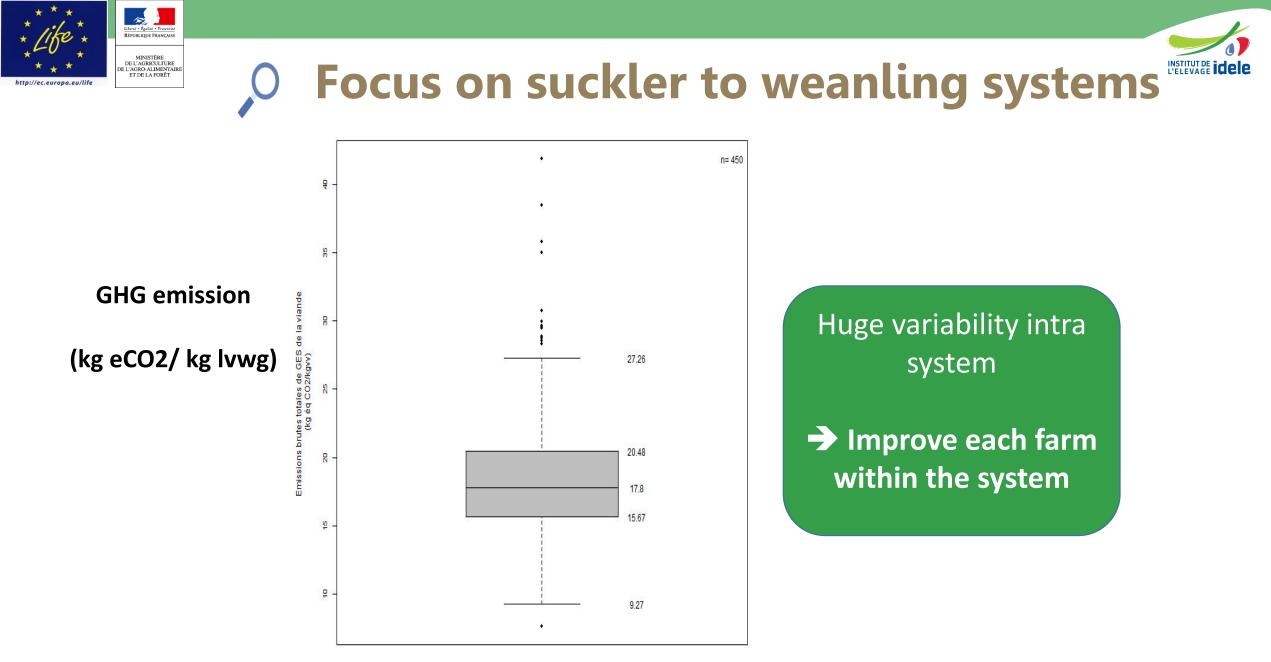




#### LIFE BEEF CARBON, key objectives **3- A European farm observatory** – 2,000 beef farms Implementing the methodology and tools on a huge farm sample

- Determining the environmental efficiency of farms according to production systems and practices
- Presenting to farmers the results and farm performance level in comparison with references





**450 Suckler to weanling farms** 





# 4- Identify and apply best practices on innovative farms

#### 170 innovative farms to apply the best practices

- Demonstrating the feasibility of mitigation practices in real conditions
- Evaluating the technical, environmental and economic benefits of adopting mitigation practices at farm level after 3 years

GHG and economic win-win -15% seems feasible











# Mitigation techniques and associated mitigation potential

Cattle nutrition	2-3 %
Cattle management	6-10 %
Inputs management	1-2 %
Manure management	2-4 %
Crops management	2-4 %
Carbon sequestration	2-8 %





## **5- The Beef carbon action plans**

- Establishing the low carbon strategy plans corresponding to the main production systems existing in the four countries
- Describing the social and economic effects
- Describing the partnership strategy to be put in place for the wide spreading of a beef carbon action plan





#### **French Carbon Action Plan**

*Value chain organisation, cooperatives, farm advisory services, chambers of agriculture, farmers associations, industries...* 

- Raise awareness among all the actors in relation with farmers (milk/meat/multiproduction...)
- Increase farm advising
- Improve farm efficiency, large dissemination of simple indicators and best practices
- Orienting R&D towards innovative low carbon solutions
- Training of advisors and farmers
- Funding and deployment programmes
- Financial recognition of the process

Carbon Credit, Environmental Services

Communication







LIFE BEEF CARBON has been distinguished by the United Nations and by the French Ministry for Environment with COP21 label for his ambitious scope and his scientific rigor







COP24 · KATOWICE 2018 UNITED NATIONS CLIMATE CHANGE CONFERENCE