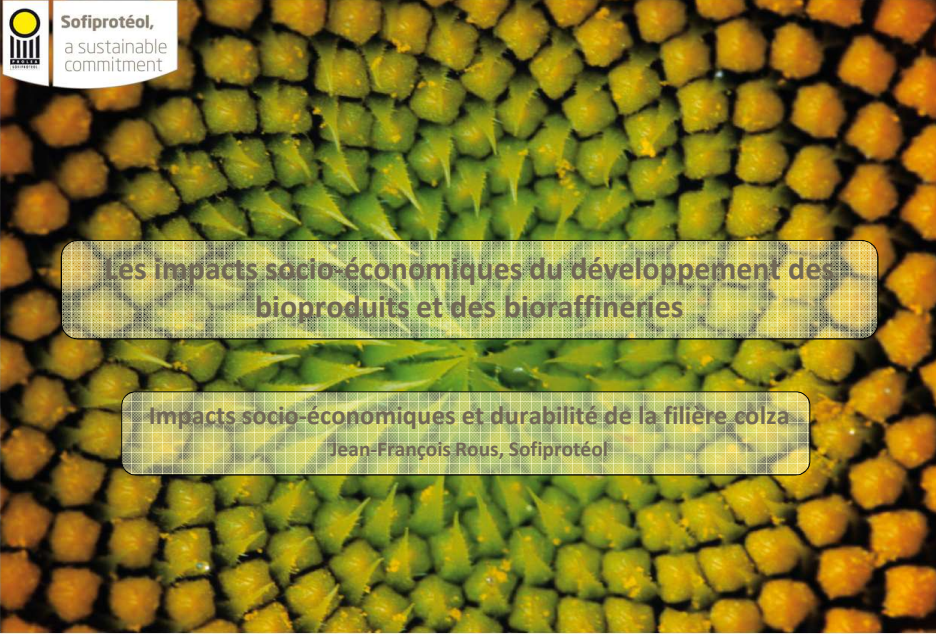




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commitment




Les impacts socio-économiques du développement des  
bioproduits et des bioraffineries

Impacts socio-économiques et durabilité de la filière colza  
Jean-François Rous, Sofiprotéol


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## SOFIPROTEOL, a socio-economical actor in an agro-based value chain...

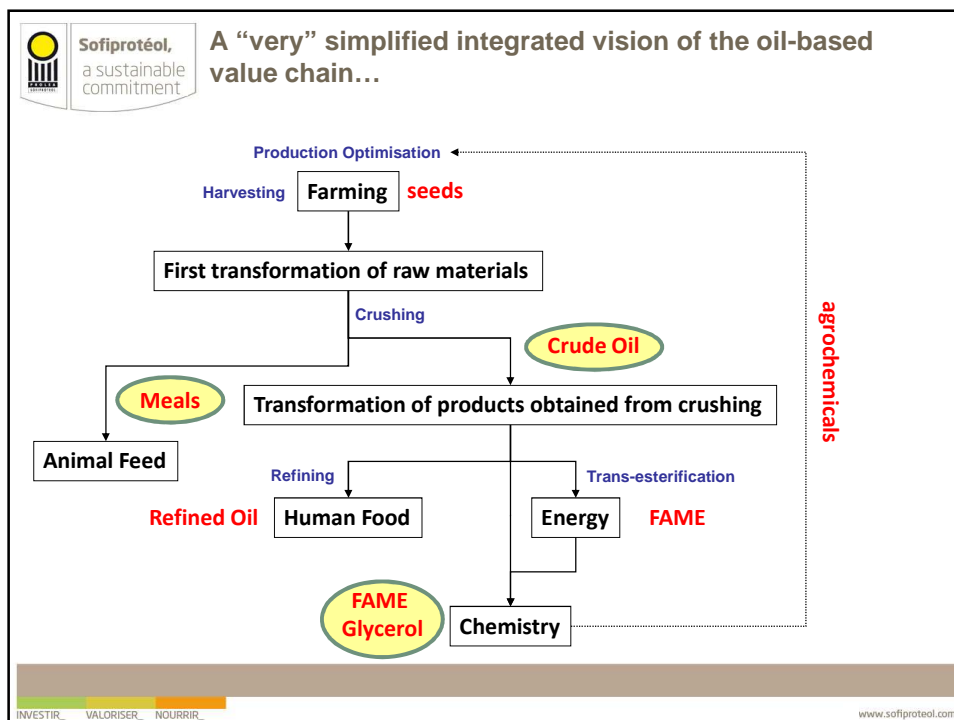
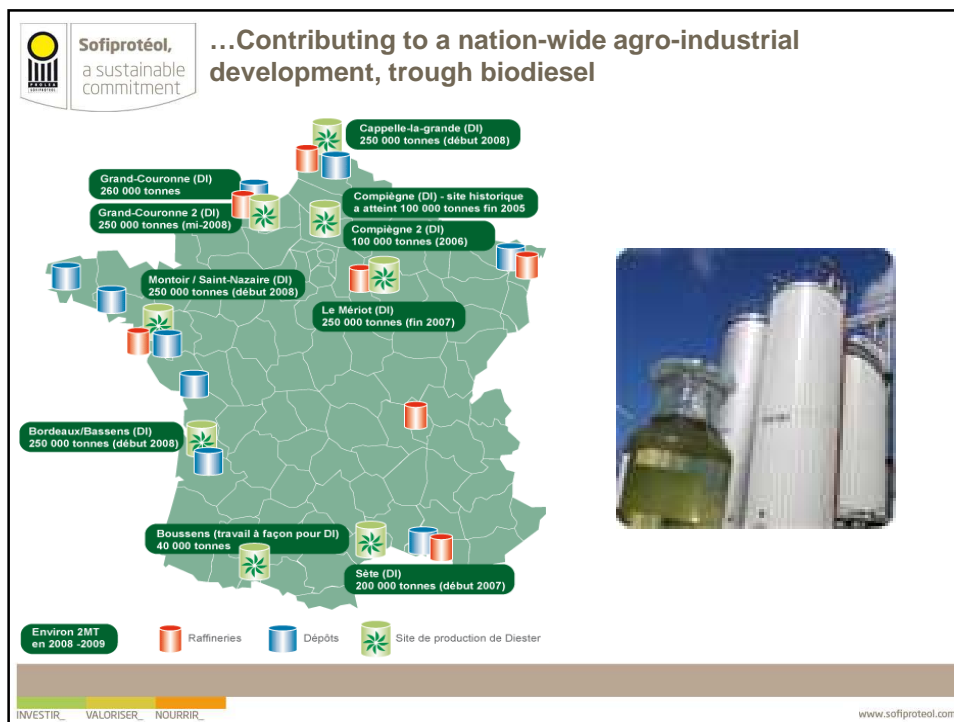


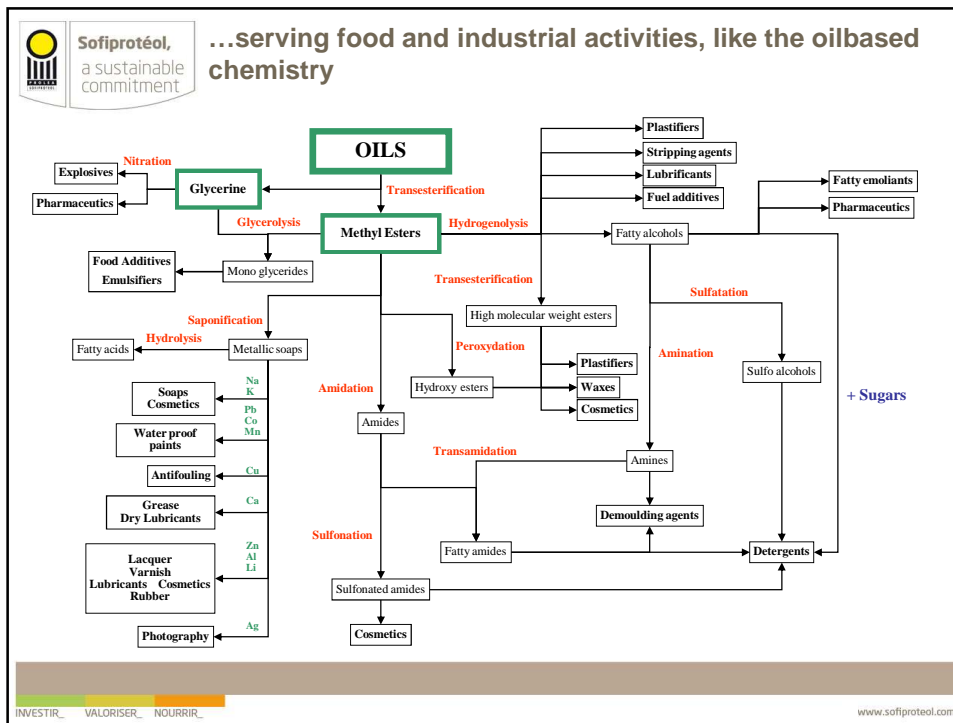
**Legend:**

- Growers and breeders
- Oilseeds division
- Food and animal sector division
- Other industries in which Sofiproteol is involved

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**Sofiprotéol, a sustainable commitment** Sustainability, the driving force for the development of oil-based refineries

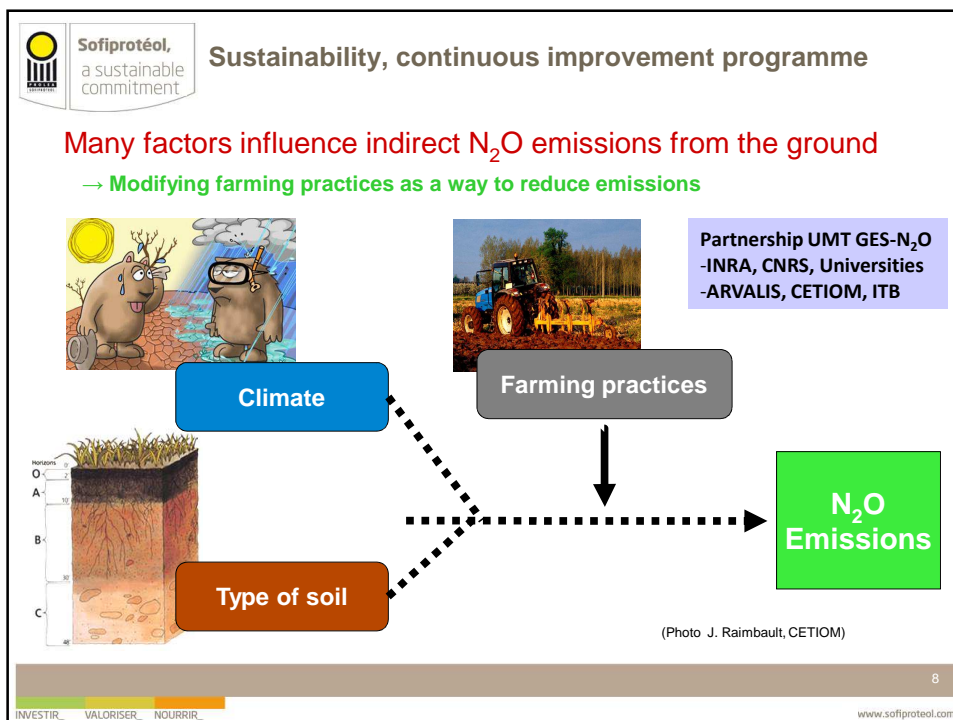
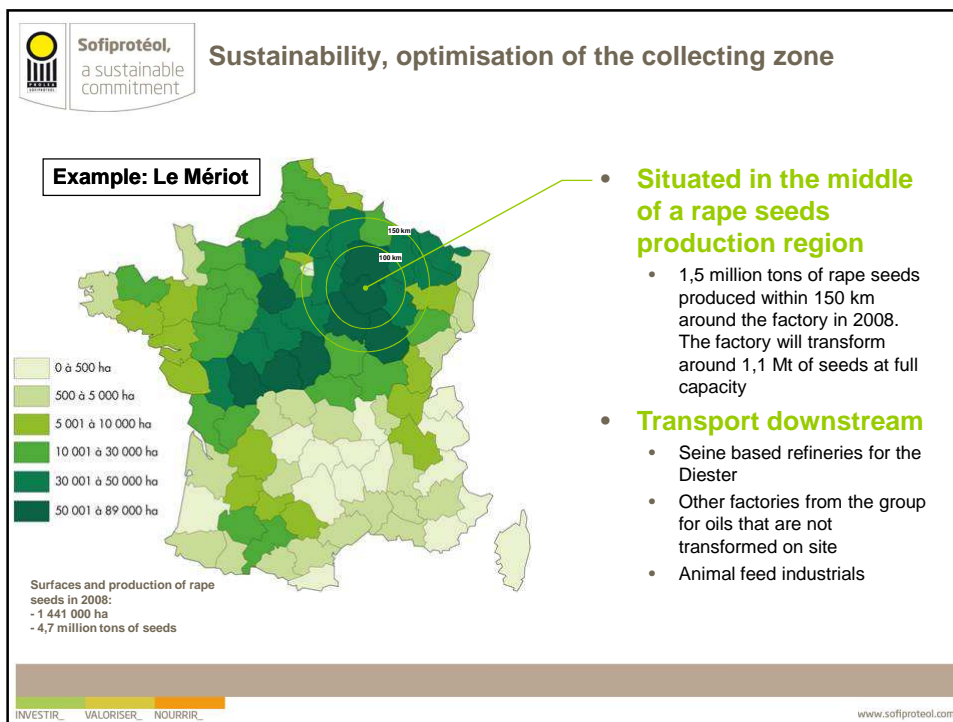




- Strongly protein-dependent for animal feed**
  - France imports 49% of its protein needs (Uhp - 2006/2007) for animal feed and has thus imported 4,3 Mt of soy meals in 2007 (Hullerie de France)
- Obligation to reduce the GHG emissions in transport and contribute to the fight against climate change**
  - In 2005, France CO<sub>2</sub> emissions were 412 Mt (DGEMP - Caisse des dépôts - 2007)
  - Transports represent 34% of the total GHG emissions in France (DGEMP - Caisse des dépôts - 2007)
- Strong and increasing demand for diesel type of fuel**
  - In 2007, 33 Mt of diesel were consumed in France and 10 Mt of gasoline (source CPDP)
  - In 2007, 73,9% of new cars were diesel ones (source CCFA)
  - 34% of the diesel consumed in France is imported (Russia and Middle-East) and 37% of gasoline production is exported (USA)

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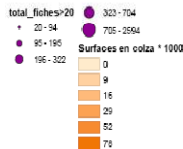
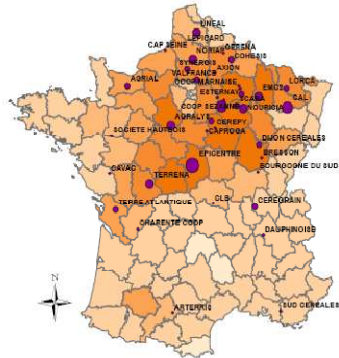
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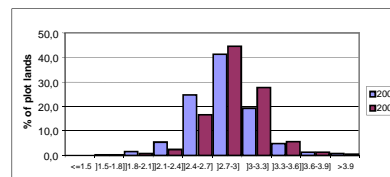
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## Continuous improvement programme: CETIOM audit




Réalisation CETIOM

- The process started in 2008 for rapeseeds farms
  - > 10000 plots of land audited
- In 2009, more than 15000 plots of land were audited
- Partners : « OS »








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## Developing the Compiègne site...


The future: 3<sup>rd</sup> generation biorefinery

The current oleobased biorefinery




Picardie Innovations Végétales, Enseignements  
et Recherches Technologiques

**Crushing:** 300kt/y  
**- Oil:** 130kt/y  
**- Meal:** 170kt/y  
**Semi-Refining:** 150kt  
**Biodiesel:** 2X100kt/y  
**Oleochemistry:** 50kt/y  
**Glycerine refining:** 30kt/y



The future: 2<sup>nd</sup> generation biodiesel



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## How to measure the socio-economic impact of the value chain: A better life?

Optimise the quality to reduce the protein dependency



Contributing to a sustainable agriculture

Contribute to a better quality meat, through animal health and feed



Contribute to a better quality food chain

Helping in optimising the practices



Developing more sustainable products for a better quality of life

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**Merci pour votre attention...**

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