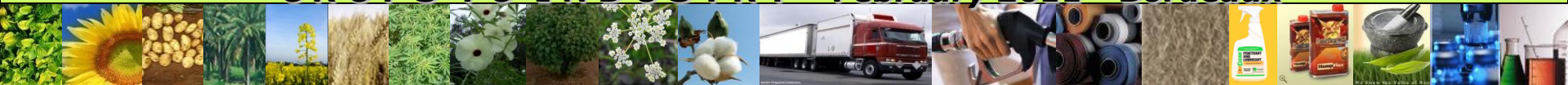




# ITERG: French CTI (Technical Industrial Centre)

- **CTI for producers and transformers of fats and oils**
- **Authority : French Ministry for Finance, Economy and Employment**
- **2010 Budget : 5.4 M €**
- **Staff : 70**
- **ISO 9001: 2000 certification**



# A synergy of competences Services provided

Quality & safety  
of products



Industrial environment  
And Safety



- Analytical Controls
- Production, made-to-order refining
- Research & Development
- Audit
- Watch & Information
- Professional Training

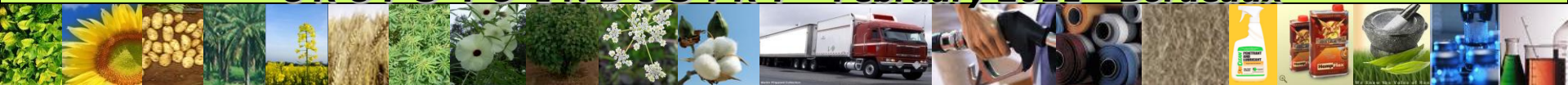


Nutrition, metabolism  
& Health

Green Chemistry  
And Process



Technology  
Refining



# Challenges of green chemistry



To save fossil resources



To participate efficiently to the reduction of greenhouse gas emission



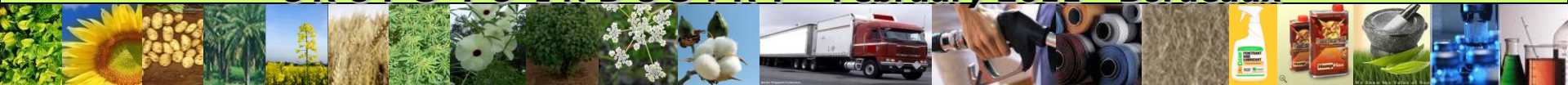
To offer to chemical industry opportunity of developing more respectful processes of the environment and often less expensive (**REACH**)



To offer an additional outlet to the field of crops and an opportunity of agricultural development



To propose **opportunity of innovation** with completely new products



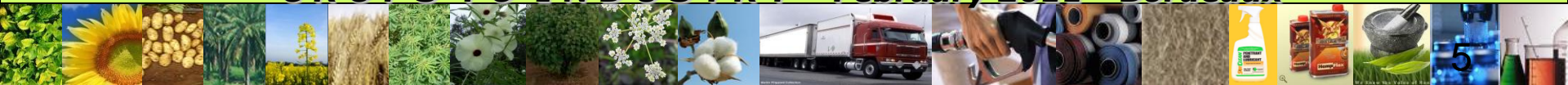


# CEDOP platform

A European Research and Development Centre for the industrial-scale production of bioproducts and green chemistry processes



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ONIDOL  
Interprofession  
des oléagineux



Crude oils



TECHNOLOGIE :  
REFINING

TRITURATION



Refined oils

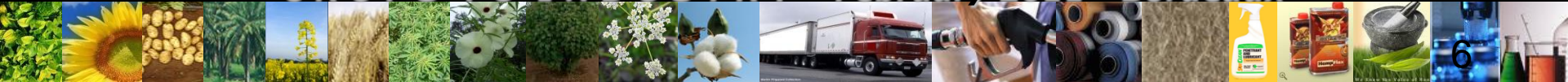


Bioproducts

CEDOP PLATFORM



Seeds



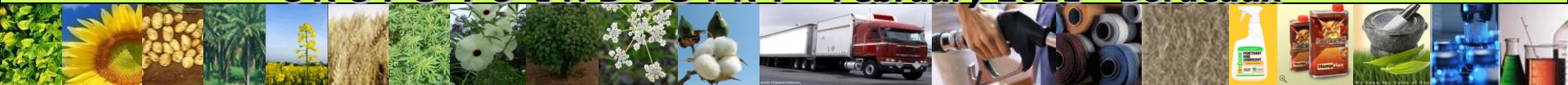


Coordinating and implementing Research & Development programmes aimed at developing new processes and bioproducts

Transferring processes from laboratory-scale to pilot-scale production, scale-up and process validation including economical and environmental evaluation

Industrial pre-production models for wide-scale and/or test market formulation testing

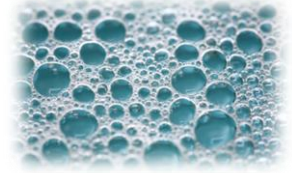
Customized production of finished products for niche industries



Biosolvents



Biosurfactants



Biolubricants



Biopolymers



Biocides & innifuges



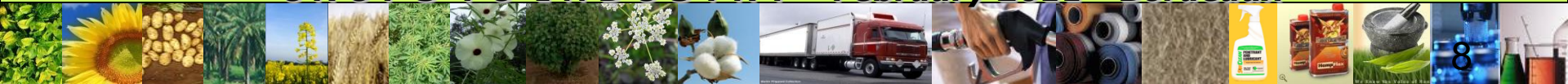
Cosmetics



ECO  
CERT<sup>®</sup>  
GMP dedicated  
technology



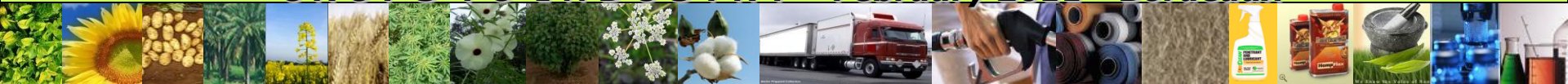
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## OLEOMA

- **inter-regional project** : "Industrial oilseed processing for environmentally friendly technologies", OLEOMA programme
  - paints, lubricants, cosmetics



Lipochemistry and formulation activities are particularly implied in the :

- **Pole AXELERA** (Rhône-Alpes)



Domains of environment and chemistry

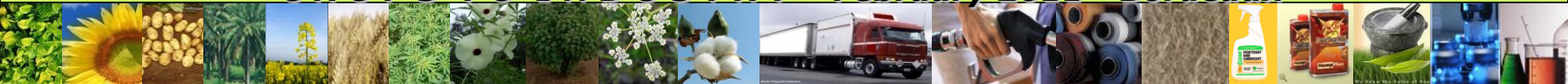
Topic : Catalyse Process Materials



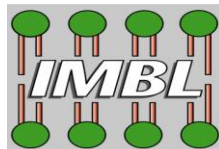
- **Pole Agro-Resources** (Champagne-Ardennes)



Topic : non-food valorisation of agro-resources



## → Association of three actors



## → 3 main topics around the lipids

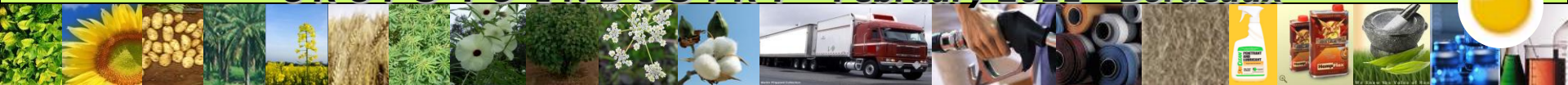
- Metabolism – Nutrition – Health
- Oleochemistry – Processes - Formulation
- Analytical development – Quality - Safety

## → 120 permanent staff, 50 PhD Students

→ **TENGLY** : exploring new applications for epoxidized vegetable oils : synthesis and application of new agro-glycolipid surfactants in emulsions and detergents



[www.lisa-carnot.eu](http://www.lisa-carnot.eu)





Eco Innovative process for multi-functional bi-oleothermal treatment for wood preservation and fireproofing (2008-2010)



**NAPAPI**



New Agropolymers for Adhésives with innovative properties (2009-2011)

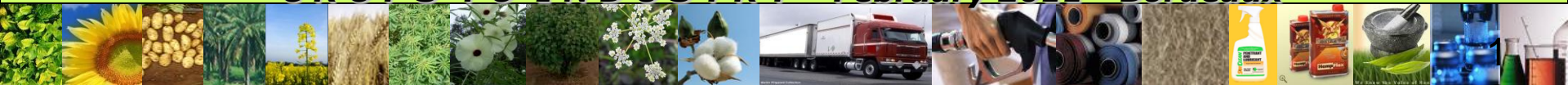
**POLYGREEN**



Isocyanate-free polyurethane synthesis using organocatalysts and vegetable-derived synthons (2009-2011)

**VEGALUB**

Development of a lubricant and an eco-product of protection for the lubrication of the sprocket chains of stopping and chains of locks.





Intervention of ITERG  
within the framework of the Crops To Industry project

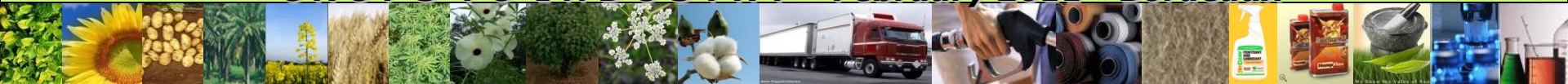
**WP1:** Non food crops

Deliverable task 1.1- Oils crops that can be produced in UE 27

**WP3:** Bio-Based products

Deliverable task 3.1-Oils

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# Thank you for your attention

[www.iterg.com](http://www.iterg.com)

[www.prestations.iterg.com](http://www.prestations.iterg.com)

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