

IAR: Industries & Agro-Ressources

Clustering in and beyond the Champagne-Ardenne and Picardy regions



PÔLE DE COMPÉTITIVITÉ
INDUSTRIES & AGRO-RESSOURCES

Christophe Luguel, IAR

Workshop on Cross-sectorial and cross-border cooperation of
clusters in support of green chemicals industries

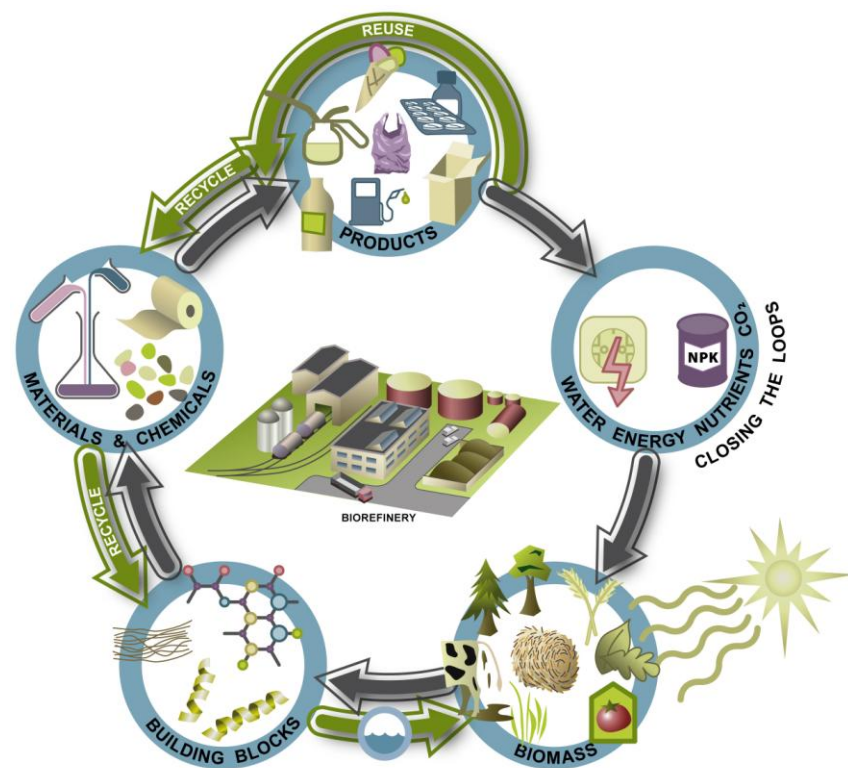


Brussels, 27 February 2014

The EU Bio-Based Economy

Hurdles to unlock the potential

- ✓ Bring all actors / sectors together to **build new biobased value chains**
- ✓ **Invest** in R&D, **demonstration** and **industrial** units
- ✓ Create a favourable policy environment for **market deployment**



The Bio-based economy

Source: *Biobased Industries Consortium*



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Who are we?



A Competitiveness Cluster

- A **Network** of companies, education centers, public and private R&D units, on an identified territory,
- to **support innovation** by developing products and technologies, partnerships and creating a favorable environment for innovation.
- on a given topic:
biomass valorisation within the **Biorefinery concept**.

A world class cluster on Biobased Economy

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Why in Champagne-Ardenne / Picardie?



ITS AGRICULTURAL LAND

3 million ha

Major producer of Wheat, Rapeseed, Sugar beet, Barley, Potatoes ...

1st French producer of Sugar beet, Barley, Potatoes, Protein's crop, Alfalfa, Hemp...

ITS AGRO-INDUSTRIES

22.5 billion € turnover (IAR's agro-industries members)

2.5 billion € investment in France in five years.

3500 jobs.

ITS HISTORY

25 years of **active policy** in favor of **Bioeconomy**

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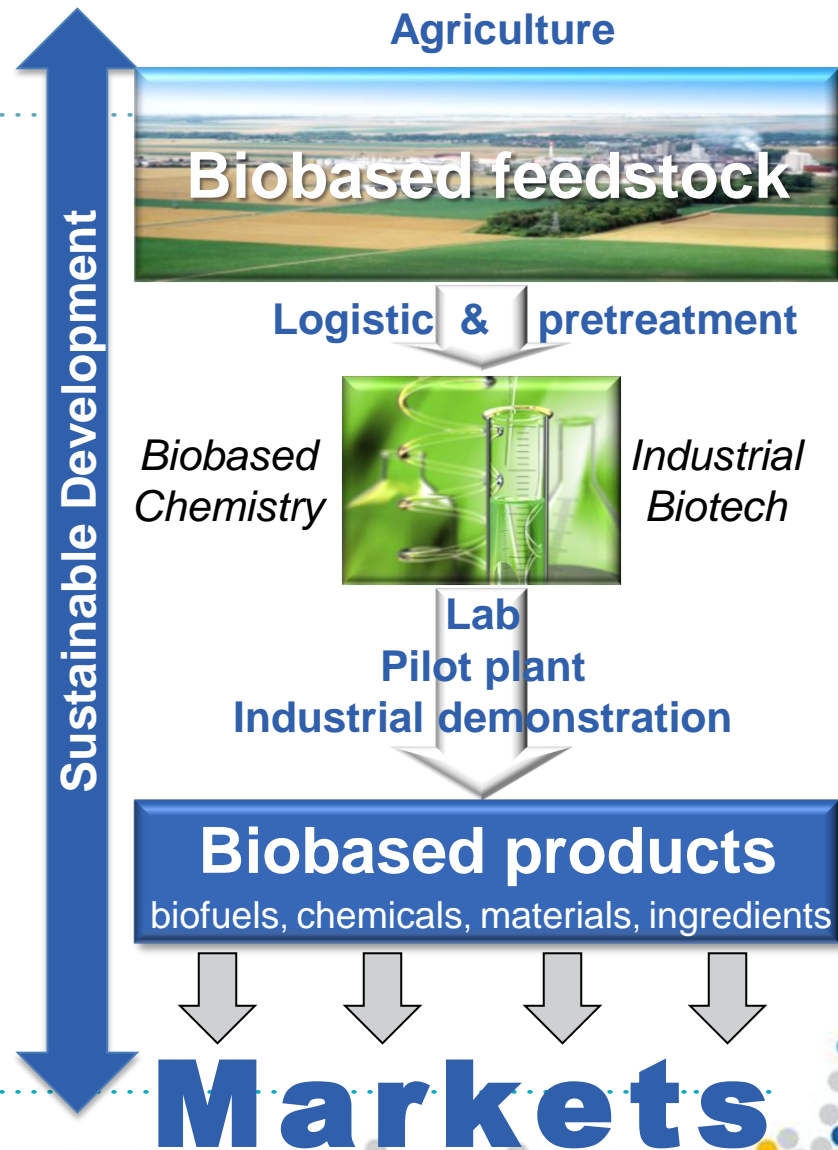
A world class cluster
dedicated to
biobased products
and **Biorefinery**

- ✓ 230 members
- ✓ 40% SMEs
- ✓ 120 R&I projects
- ✓ Total R&I budget: 1.2 bn €



COMPETITIVENESS CLUSTER
INDUSTRIES & AGRO-RESSOURCES

www.iar-pole.com



IAR: an innovative ecosystem to valorize biomass

OZONIA
IPLB Beauvais



PFI IMPROVE
AMIENS



INRA ESTREE
MONS
Observatoire de
l'environnement



CEBB
Pomacle / Bazancourt



ESCOM
COMPIEGNE



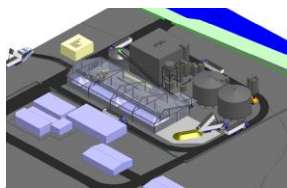
CODEM AMIENS

172.2 millions €
investments

- 291 direct jobs created
- 193 planned



P.I.V.E.R.T.
Compiègne



BIOTFUEL
Compiègne



PLATEFORME
ECOTOXICOLOGIQUE
INERIS Verneuil en
Halatte



OSIRIS
SOUFFLET Nogent
sur Seine



FUTUROL
PROCETHOL 2G
Pomacle /
Bazancourt



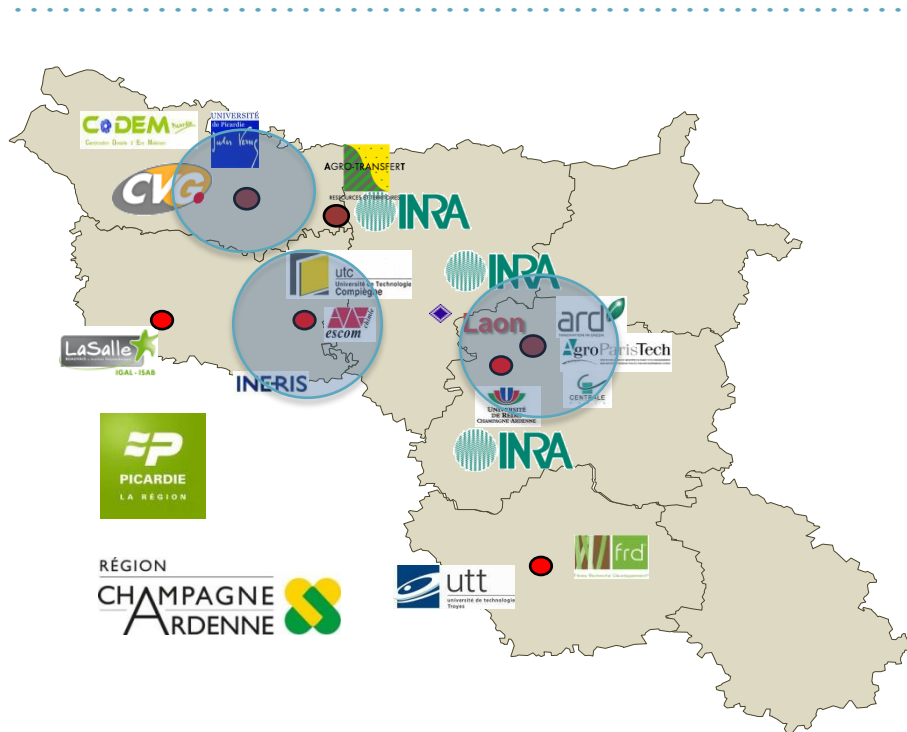
B.R.I.
Bazancourt



SINFONI
FRD Troyes

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An innovative ecosystem to valorise biomass



B.R.I.
Bioraffinerie Recherches et Innovations

IMPROVE
Institut Mutualis   pour les PROt  ines V  g  tales

PIVERT
Picardie Innovations V  g  tales,
Enseignements et
Recherches Technologiques

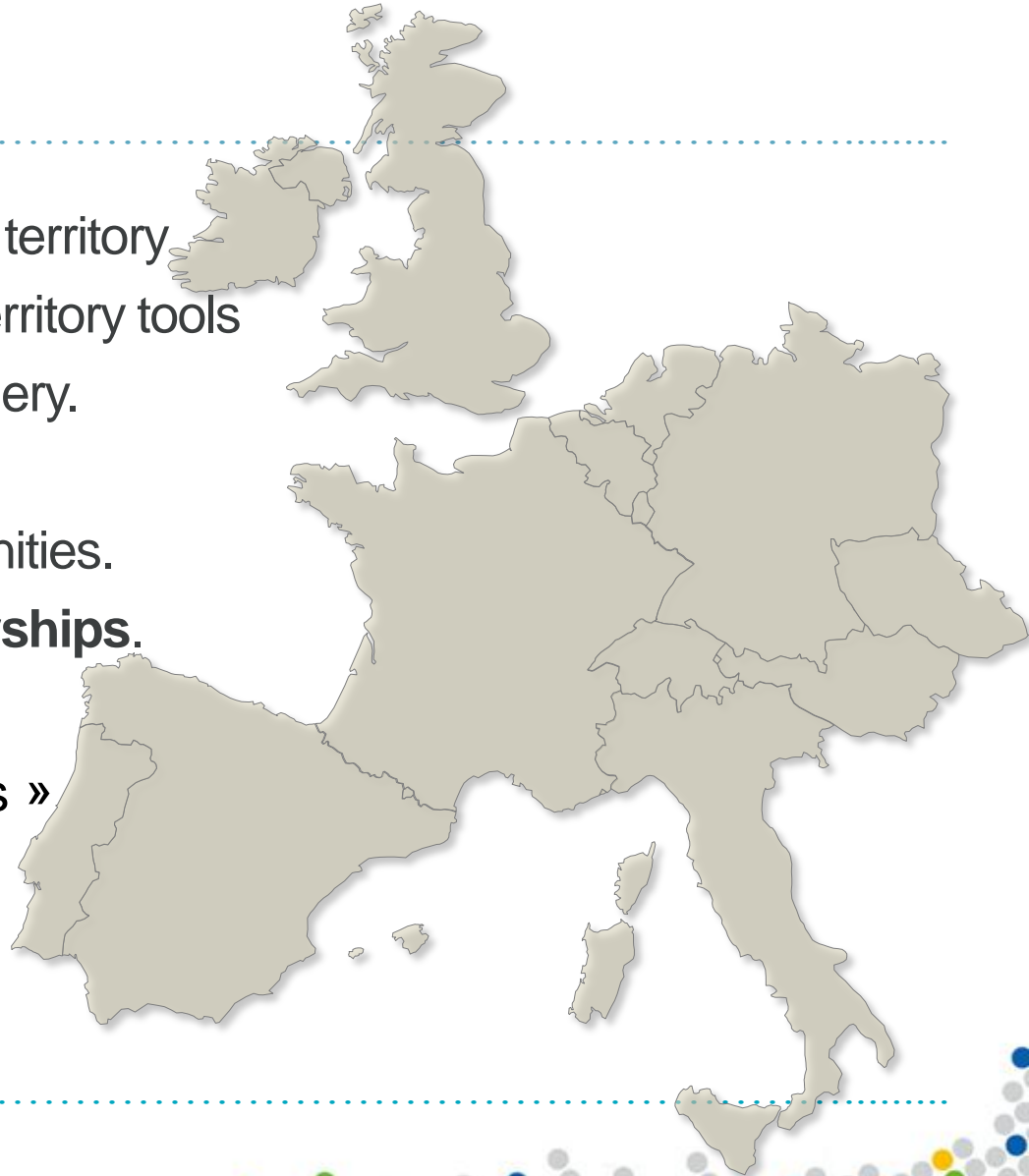
3 open Innovation Platforms



IAR: INTERNATIONAL ACTIVITIES

Objectives

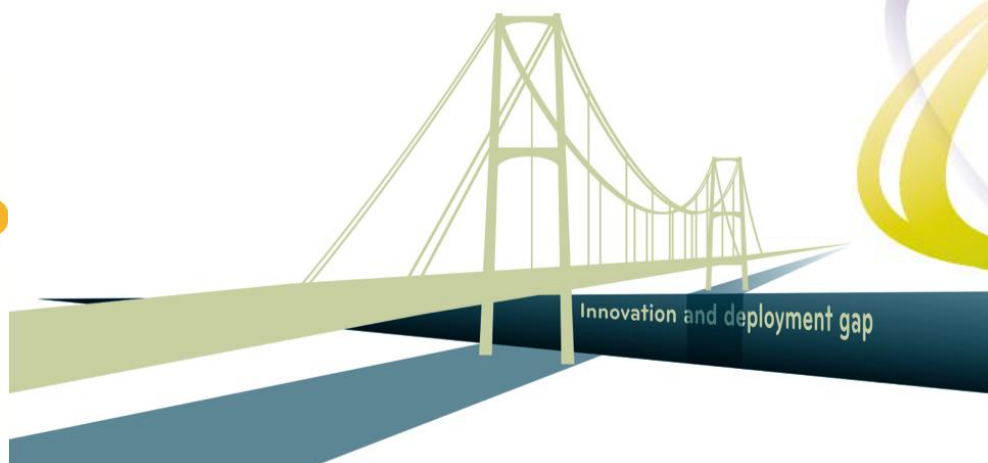
- To develop the attractiveness of our territory
 - To promote our members and the territory tools
 - To promote our vision of the Biorefinery.
 - To identify new markets.
 - To catch new technological opportunities.
 - To **develop Technological Partnerships.**
- Cooperation with « key openers » and facilitators: clusters



Cooperation with other clusters

Success factors

- ✓ Have a **common vision** on biobased economy
- ✓ Build partnerships on **complementarity** and not on similarity
- ✓ Have a **common tool** to support cooperation



Biorefineries development in Europe

Two visions co-existing in Europe

Biorefineries on harbors



Ex: Ghent Bio-Energy Valley, BE

- Optimization of industrial units
- Import of biomass (availability in world market)

Biorefineries in rural areas



© Champagne-Céréales

Ex: Les Sohettes, F

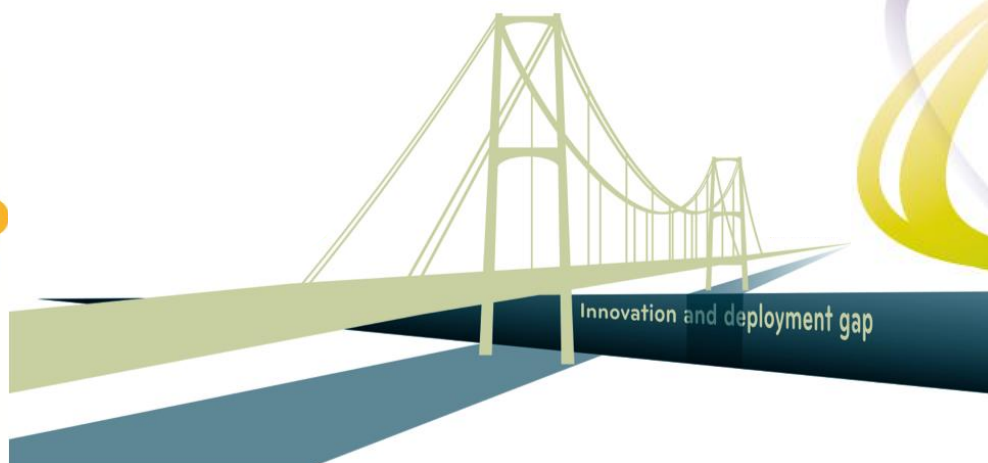
- Added value creation in rural area by developing production units closed to the feedstock production



Cooperation with other clusters

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- ✓ **Have a common tool to support cooperation**



Bio-Based Industries Initiative (PPP)

A new and powerful tool for innovation



Biobased Industries
Consortium



INNOVATION

Develop
unconventional
partnerships

INVESTMENT

Focus on pilots,
demonstration and
flagship

INTEGRATION

Build new value
chains



***Great opportunities for the
European agriculture and
(chemical) industry !***



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Thank you for your attention



Your Gateway to the French Bioeconomy

www.iar-pole.com

