



**« Composites and Advanced Materials » :
the Regional Roadmap as study case**

IASI conference – September



R É G I O N
**NOUVELLE-
AQUITAINE**

AQUITAINE LIMOUSIN POITOU-CHARENTES

AQUITAINE - LIMOUSIN - POITOU-CHARENTES : L'ESSENTIEL

Sport

The context of Nouvelle Aquitaine

Industry

Almost 60% of industrial salaried jobs are concentrated in five sectors:

- Aerospace-space-defense,
- Agri-food & Wine industry,
- Forest products
- Transports and metallurgic industries
- Chemicals industries (fine chemistry, composites and advanced materials)

Research and Innovation

106 000 students (40% in science and health courses)

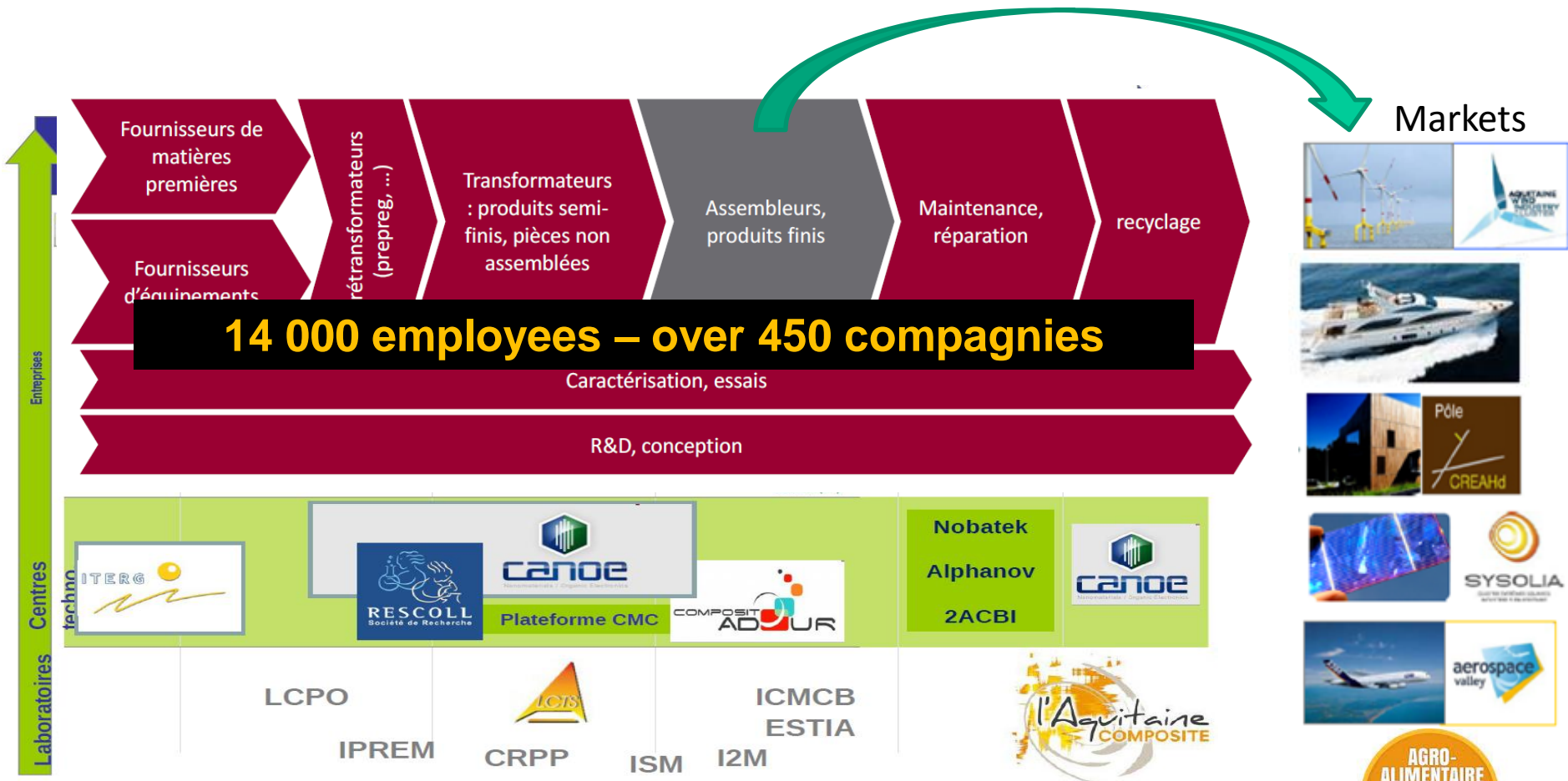
14 engineering schools

12 100 researchers

130 research laboratories

Most visible disciplines on European stage: **chemistry/materials/nanoscience**, laser science and forestry.

Stakeholders involved in « Chemistry & Materials »



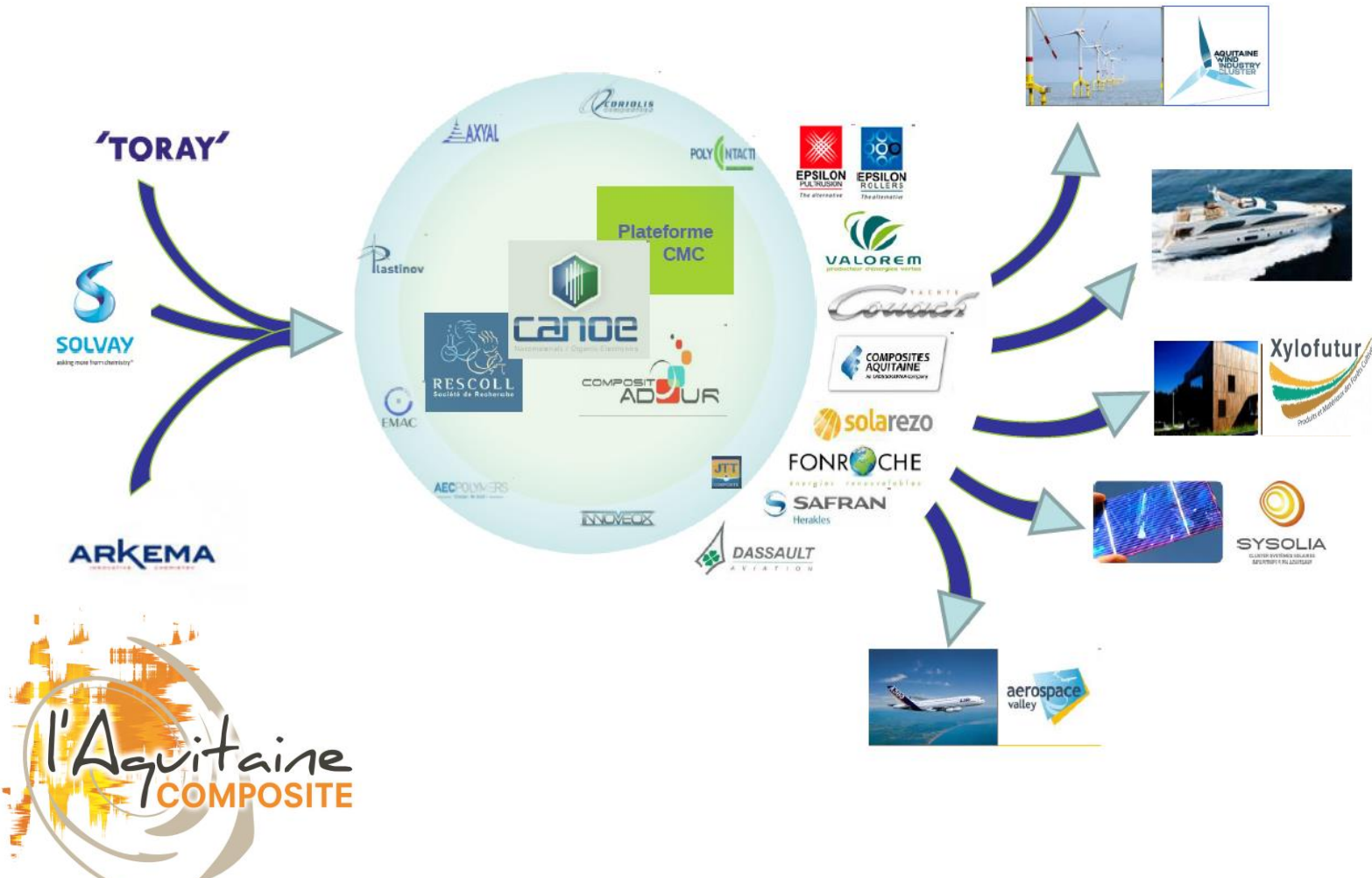
Sector companies :

ARKEMA, SOLVAY, TORAY CFE, EPSILON COMPOSITES, AIRBUS, STELIA, ESI Group, Abengoa, Michelin, KSB,

A strategic vision : « Advanced Materials for industries »

Roadmap and action plan's ambitions:

support stakeholders's networking and foster innovative collaborations between suppliers, assemblers and customers



2005 – French Cluster policy : « competitiveness clusters »

Aerospace Valley - world cluster in aeronautics, space, embedded systems,

Xylofutur – cluster in Forest products, paper

AgriSOI – Agriculture and Food Industry

2008 – Survey and opportunity study « chemicals and composites industry »

2009 – Adoption of a regional strategic roadmap

Composites and Advanced Materials as a KET with cross-cutting capacity

2009-2012 – Actions plan in 3 main directions

- Research infrastructures – public and private R&D collaboration
- SME's and larger companies (technologies or products development)
- Training

2013 – Projects review and evaluation

more than €70M (including ERDF funds) in this technological field.

More than 500 projects and 150 companies supported.

This support was focused on private/public collaborative research, technological developments and industrial investments.

Aquitaine has built a network of technological centers which can provide an easiest access to new process et technologies

but...

- A poor communication on the regional objectives → a vision to be shared
- Stakeholders involvement had to be improved → a governance to be defined
- The link with markets had to be reinforced → a « go to market » approach needed
- Projects review is not sufficient to (really) steer a strategy → A monitoring system to be defined

2014 – definition of the Aquitaine's RIS3

« Advanced Materials » confirmed as one of the regional specializations
A reformulation of the strategy « Advanced Materials for Industries »

2015 – implementation

Organisation of a governance with the stakeholders from regional clusters

An annual evaluation report

- a annual review of projects funded within the public partnership
- recovery of the indicators from the funded projects (Region, ERDF)
- analysis by a appointed referent/thematic expert

To sum up ...

2 complementary approaches

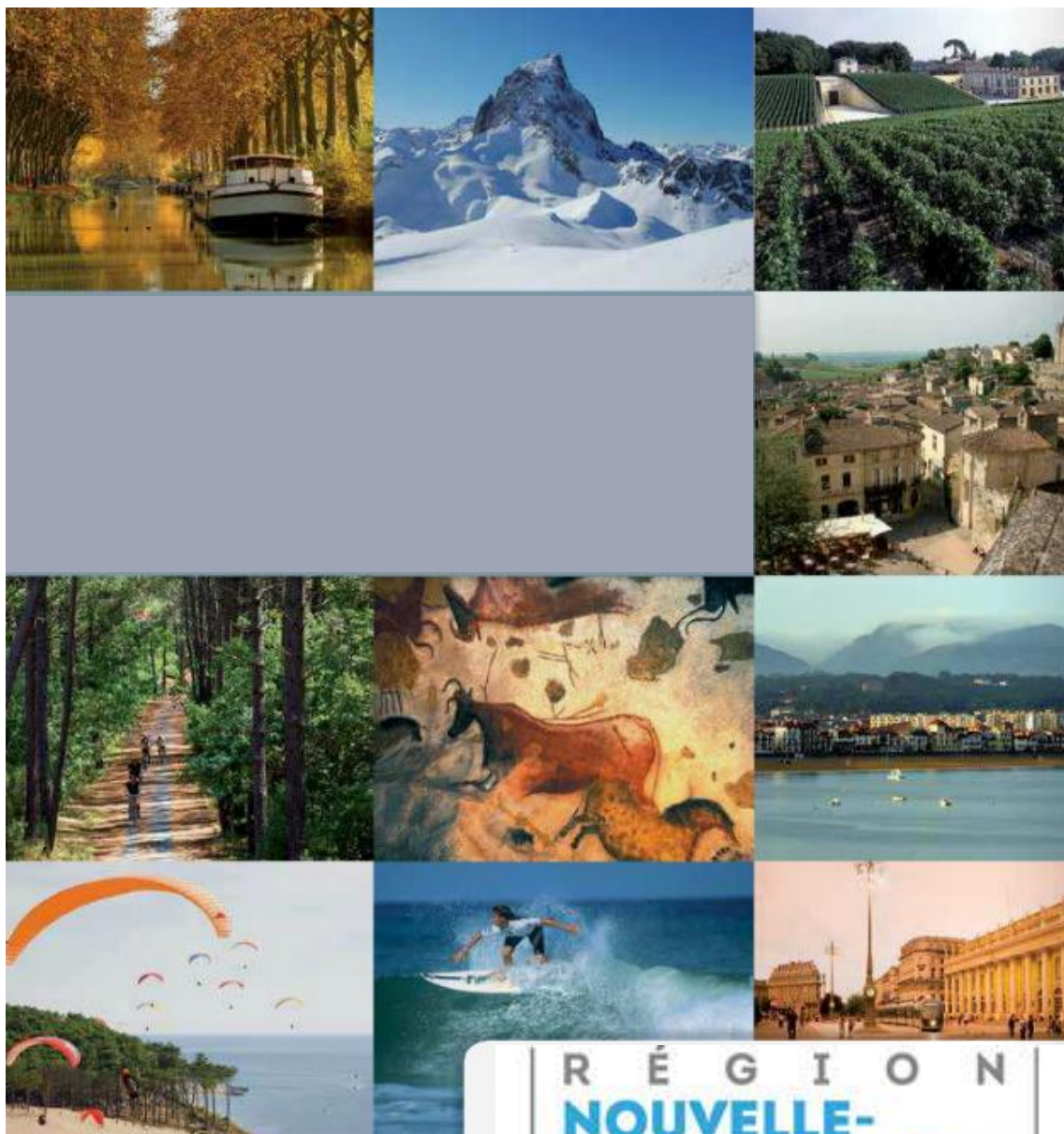
Thematic survey to monitor the evolution

- ✓ at the regional level
 - ✓ compared to others national and european regions
-
- Indicators selection to monitor the contribution of the projects to the strategic objectives.

Questions related to monitoring

- Define and implement a monitoring system
- Select appropriate indicators
- Balance between national and regional targets
- Linkage between OP and RIS3 monitoring
- Stakeholders involvement

- An explicit and shared strategic vision
- An governance (involving stakeholders and public partnership)
- Some simple indicators
- Alignment ?
- diversity of the projects ?
- RIS3 – thematic criteria for R&I axes
- Evaluation report presented to the OP Monitoring Committee
- Governance, communication (event, ...)
- Projects



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