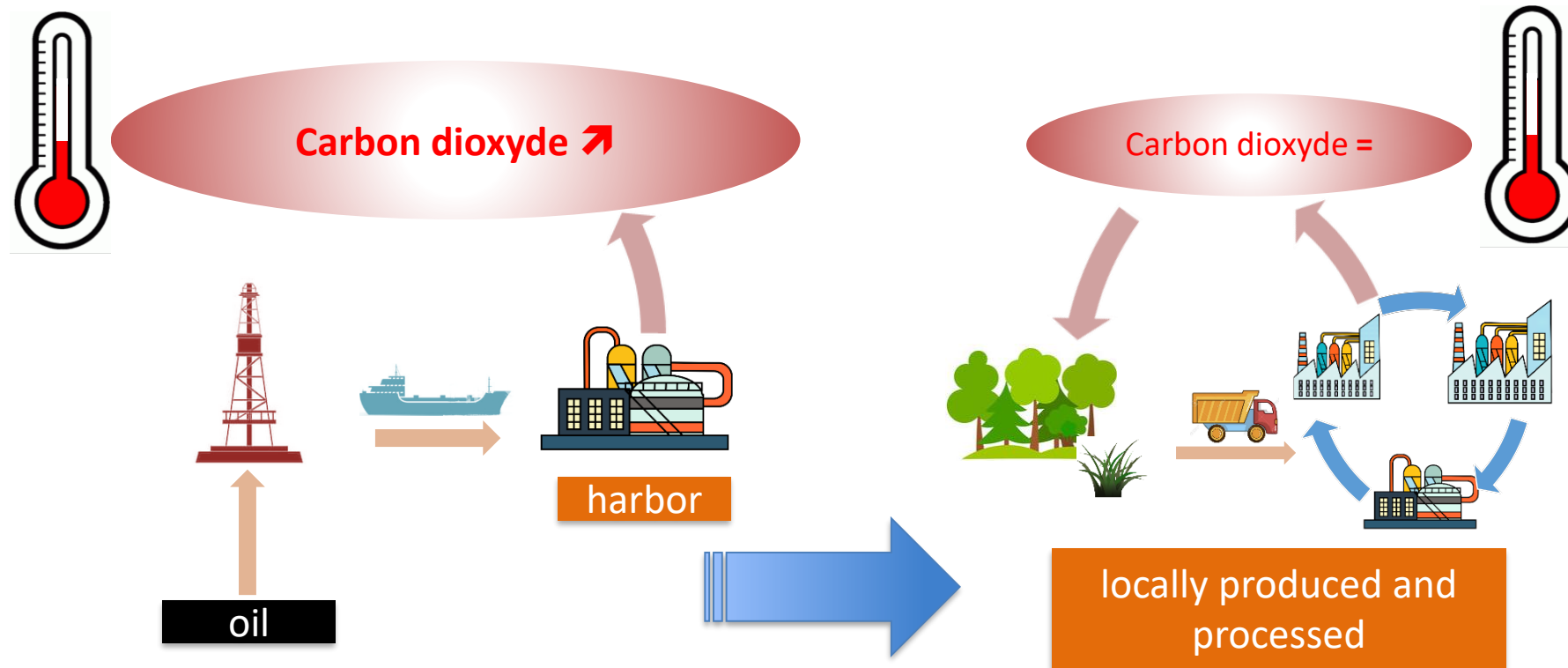


# Bioeconomy : a motor for regional growth

Grand Est region, France

24 octobre 2019

# Bioeconomy



# Bioeconomy, already a reality

- **France** (2016)
  - 1.9 million jobs
  - €300 billion annual turnover
  - 10% of chemistry and materials
  - 60% of renewable energy
- **Grand Est region**
  - 87% of land use for agriculture and forest
  - One of the economic regional development pillars as well as Industry 4.0
  - Connected to regional strategies for sustainable development, biomass, biogas plant,



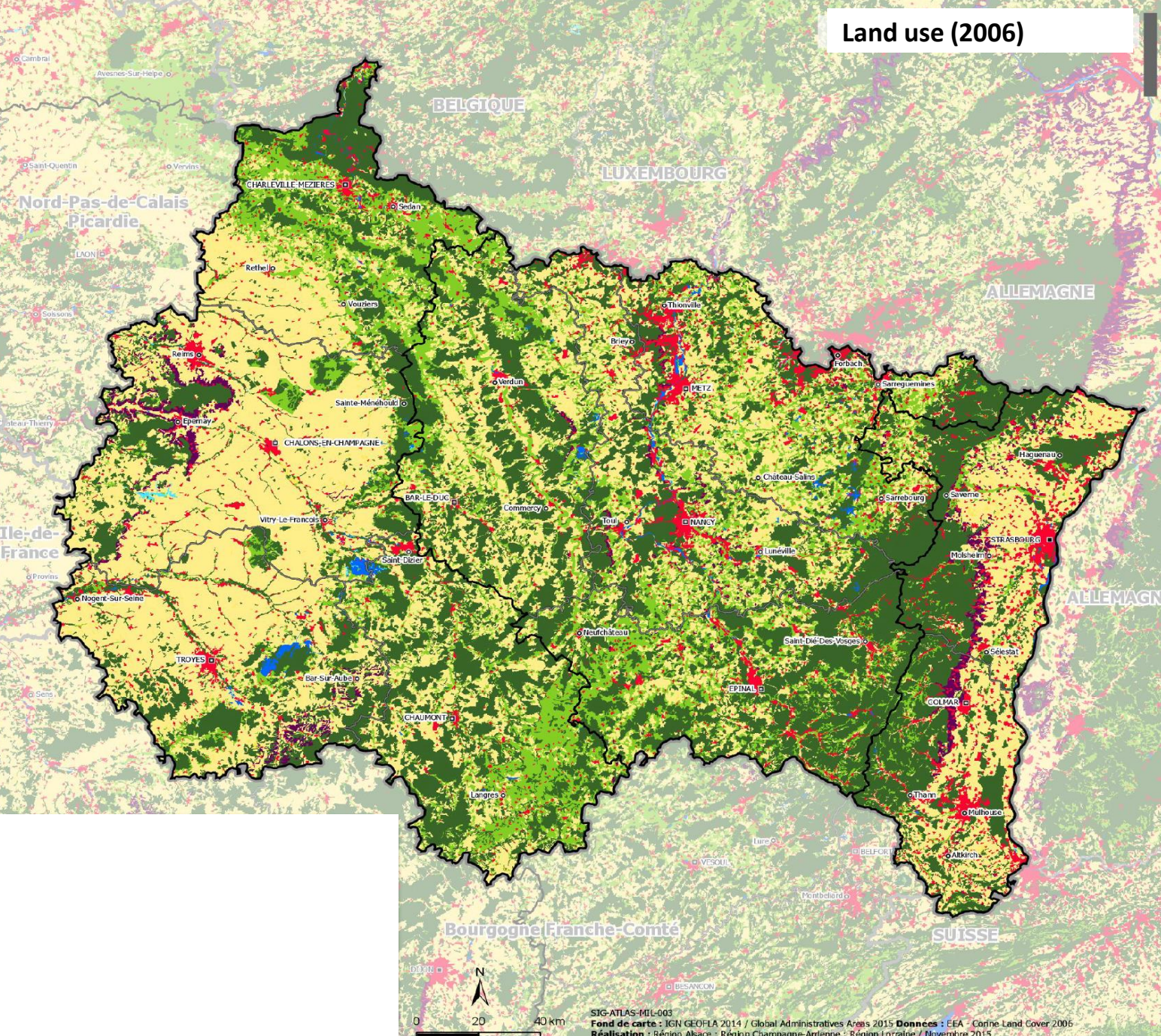
Land use (2006)

## Context

2nd most important  
agricultural region of France  
3Mha of agricultural area  
2Mha of forest

### Land use

- Urbanized area
- Agricultural areas (without meadows)
- Vineyards & orchards
- Meadow, lawn, moors
- Forests
- wet areas
- Aquatic environments





## Bioeconomic sectors in Grand Est region



Biobased fuel



Wood energy



Biogas plant



Biobased chemistry



Cosmetics



Materials



Nutraceuticals



Food



Biobased fertilizers



Paper/ cardboard



Wood  
construction



Furniture

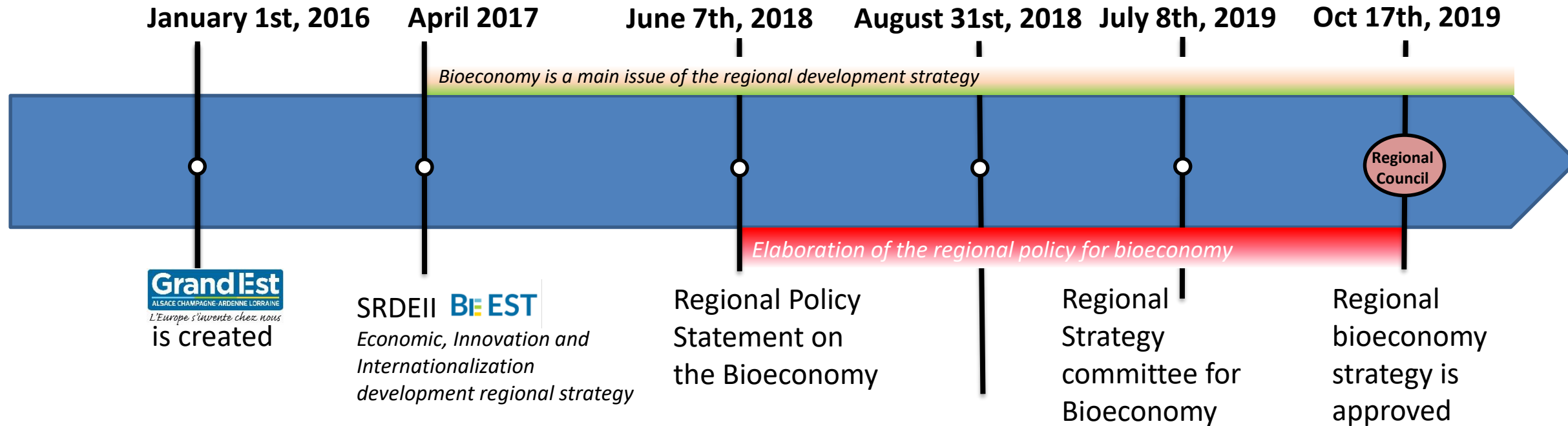
# THE AMBITION OF GRAND EST REGION

To become a European leader for experimentation and innovation in Bioeconomy

# Meet the most essential needs of people

- creation of jobs that cannot be relocated,
- renewable and territorial energy solutions,
- biobased products to build or renovate housing,
- sustainable agriculture for a food that meets the expectations of consumers
- at a fair cost - allowing the competitiveness of value chain stakeholders - and acceptable to citizens

# Some perspectives



## The main five issues for regional bioeconomy strategy

- ☐ Local energy strategies
- ☐ Territorial biorefineries
- ☐ Sustainable agriculture
- ☐ Biomaterials to build and renovate buildings
- ☐ Food with biobased ingredients, sustainable packaging and increased traceability

## BioPacte = 3 French regions Partnership





## 2 key points ...

- Support for value chain stakeholders
- Social acceptability of biobased products



## ... beyond our borders

- The **BioPacte** with the regions of Ile-de-France (Paris) and Hauts-de-France (Lille)
- Opening up to **cross-border cooperation** and **Europe**

# 23 actions : some examples

- **Local energy strategies**
  - Developing agrocombustibles
  - Methanisation
  - Biofuels
- **Territorial biorefineries**
  - Development of existing biorefineries
  - Installing new ones
- **Sustainable agriculture**
  - Biocontrol, bio-fertilizers
  - Precision farming
  - Carbon sequestration in soils
- **Sustainable food**
  - Development of biobased ingredients (food/feed)
  - Biomaterials for food packaging
- **Biomaterials to build and renovate buildings**
  - Hemp, flax
  - Wood construction

# What about money ?

- Up to €35 millions/year regional funds mobilised
- Catalytic effect → 1€ invested generates another 5 € from France, EU (EDRF, EAFRD/EIP-agri, CAP...), industries, universities.

**½ billion € over the next 5 years**

# Enforce the strategy

## Steering committee

Chaired by regional VP for bioeconomy, with elected regional representatives

## Regional strategy committee

- Co-chaired by regional VP for bioeconomy and the bioeconomy cluster (IAR) chairman
- With regional bioeconomy stakeholders : State and EU representatives, industries, farmers, universities, ...

## Bioeconomy promotion

### 3 people to :

- enforce the regional strategy internally
- promote the regional strategy with our partners and regional stakeholders
- define each action-sheet (23) and the following process