

Setting up the National Bioeconomy strategy and action plan

Lisbon, 20th May 2019, JM CHOUROT



UNE STRATÉGIE BIOÉCONOMIE POUR LA FRANCE

...“Agriculture will also have to be less dependent on fossil energy. It will have to rely on a **strategic action plan for the bio-economy** to promote the development of bio-materials, renewable energy production and the bio-based chemistry”...



Bernard Cazeneuve, French Prime Minister, 13th December 2016

<https://agriculture.gouv.fr/bioeconomy-strategy-france-2018-2020-action-plan>

Context of the National Bioeconomy Strategy

Energy Transition Law of August 17, 2015

- French agroecology project
- National Bioeconomy Strategy
- National Biomass Mobilization Strategy

Presented and validated by the Council of Ministers on January 18, 2017

Bioeconomy in France: a strategical key sector

- Several value chains of the bioeconomy **are already strongly developed in France or are emerging**
- Public and private R&I organisations are well involved in the bioeconomy and are **supported by various types of public funding**
- Various public policies are dedicated to bioeconomy and to closely related sectors – **Need for integrating and combining different initiatives**

Agriculture
936 000 jobs
28 Mha

Forestry
30 000 jobs
16Mha + 8Mha
in overseas

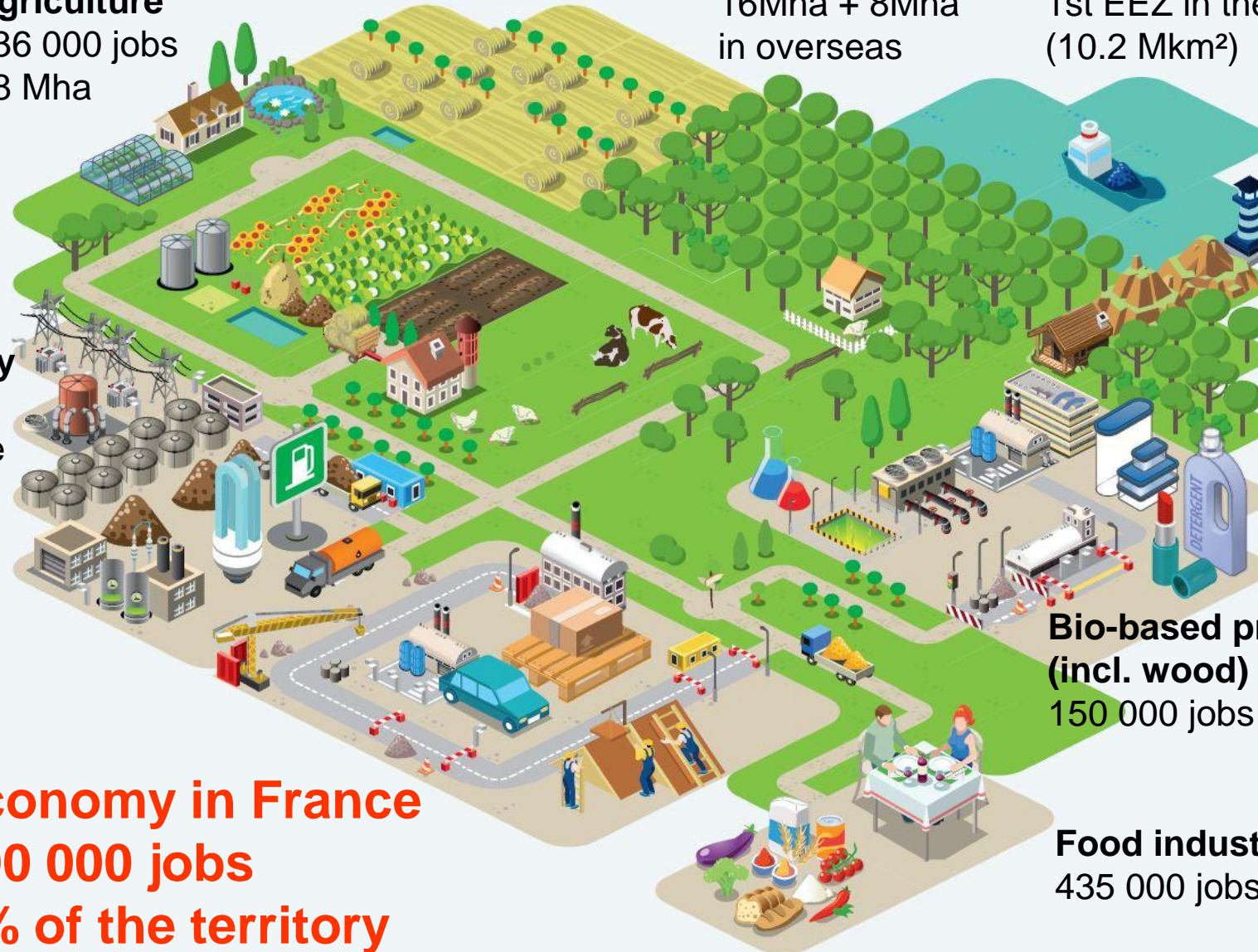
Fishery
37 000 jobs
1st EEZ in the world
(10.2 Mkm²)

Bioenergy
60 % of
renewable
energy

**Bio-based products
(incl. wood)**
150 000 jobs

Bioeconomy in France
• 1 900 000 jobs
• 80 % of the territory

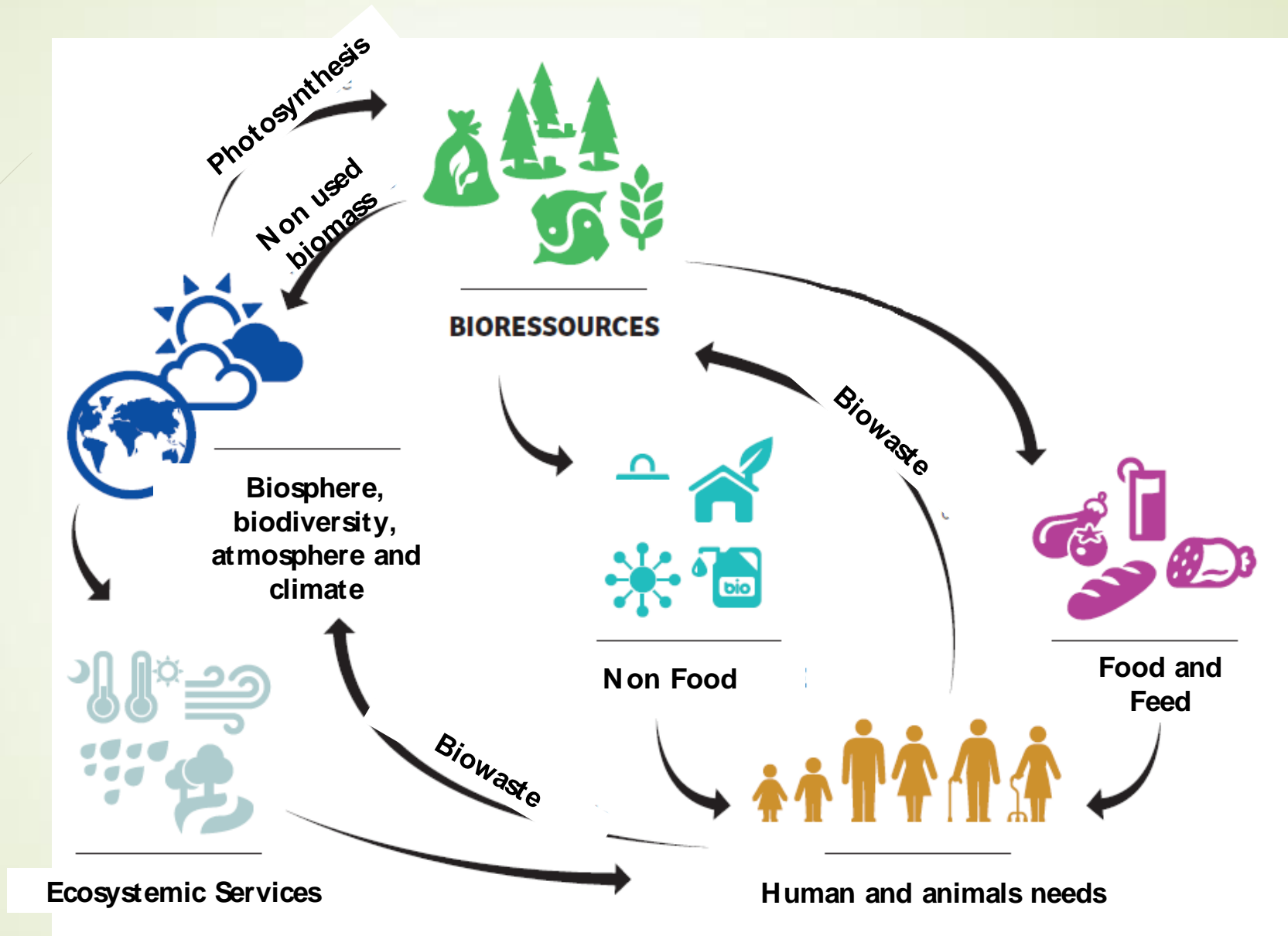
Food industry
435 000 jobs



Why a strategic action plan for bioeconomy in France ?

- To promote new products and solutions, **based on innovation**, for the ecological and energy transitions
- To ensure **new economic opportunities** for agriculture, forestry, fisheries and rural territories
- To strengthen the **sustainability of the global system**, producing « food first » and minimizing environmental impacts

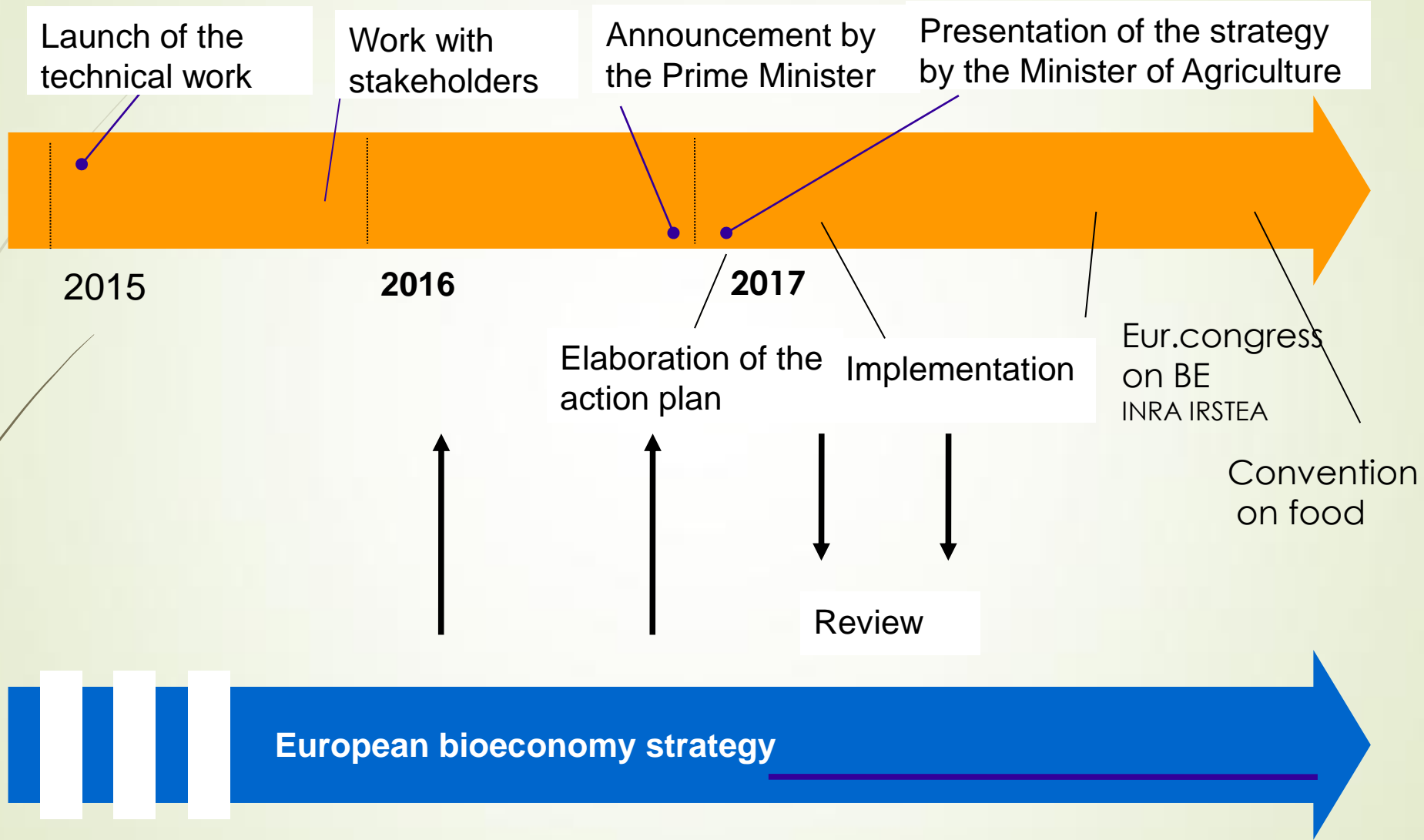
➔ Need for a global view of the bioeconomy, including **food and feed**, **materials**, **energy** and **ecosystem services**, from research and innovation to economic and territorial development



Building the bioeconomy strategy

- **An initiative** initiated in 2015 by 4 ministries: agriculture (+food and forestry), environment, research, economy
- Participation of **stakeholders**
- Some principles for the **governance**:
 - Bridging the gaps and promoting global approaches
 - Managing the transition process with stakeholders
 - Working at different territorial levels
 - Monitoring the development of the bioeconomy

Building the bioeconomy strategy



Some important measures in favour of the bioeconomy in France and Europe

- Bio-based products on the market: to **promote standards and certification**
- Building **innovative industrial eco-systems**: to strengthen links between first stage production and processing
- Bioresources: to promote solutions to “**produce more and better**” thanks to **agro-ecology**
- **Sustainability**: to evaluate positive and negative impacts of bioeconomy
- **Dialogue with the society**: to open the debate among citizens
- **Research and innovation** : to reinforce targeted research ; to promote cross-cutting and territorial R&I approaches of the bioeconomy

Action plan: The main focus

- **Action plan 2018-2020 : 50 operational actions** (due date, pilote specified)
- Specific focus on the non food component (covered by other national strategies)
- The action plan breaks down the bioeconomy strategy into operational actions divided into five areas:
 - improve knowledge;
 - promote the bioeconomy and its products to the general public;
 - create the conditions for a match between the offer and the demand;
 - produce, mobilize and sustainable transformation bioresources;
 - remove hurdles and mobilize fundings.

What does it look like ?

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Plan d'action 2018-2020



AXE 4 ► Produire, mobiliser et transformer durablement des bioressources

ACTION	DESSCRIPTIF	PILOTES	LIVRABLE	CALENDRIER
1	S'assurer que la production et la mobilisation de la biomasse respectent les objectifs de durabilité et de préservation de la biodiversité.	MTES, MAA, MESRI, ADEME	Guides d'évaluation de la durabilité d'un projet ou d'une filière, à l'attention des décideurs	2020
2	Soutenir et orienter l'innovation dans le domaine des équipements de production, de récolte et de transformation de la biomasse.	MAA, MESRI, MEF, MTES, ADEME	Soutien de l'innovation dans les équipements dans le PIA 3	2018
3	Soutenir le développement des intercultures dont les cultures intermédiaires à vocation énergétiques (CIVE).	MAA, MTES, ADEME	Production accrue de CIVE en France	2019
4	Valoriser les bioénergies durables.	MAA, MTES, MEF, ADEME, AFB	Communication adaptée sur la durabilité des bioénergies	2020

What have you got out of the bioeconomy so far – has there been an impact?

- => **political, industrial, scientific and technical synergies**
- Regional dynamics :
- Suitable illustrations with « Hauts-de-France » master plan (2018), « Grand-Est » public concertation (2018)
- 2025 « Haut de France » Ambition : make this region the European leader in protein production ; develop a structured sector for biobased materials and biomolecules of industrial interest (<http://www.hautsdefrance.fr/categorie/dossiers/bioeconomie/>)
- Research and innovations orientations:
 - New national strategic approach (INRA/IRSTEA synergy identification : 2020-)
 - Specific national calls (ANR/2020, ADEME strategy 2017-2022)
 - BBI participation
- Formations : new specific trainings from sept. 2019 : agricultural methanisation certification, standards for agricultural secondary schools « agronomy, economy and territories »
- Better awareness of the general public, branch valorisation : Events during the Paris international agricultural show, heritage day, “Bioeconomy Trophy”

