



A Bioeconomy for Europe

Using resources from land and sea
for a post-petroleum economy

Forests-based Bioeconomy and EU´s Bioeconomy Strategy

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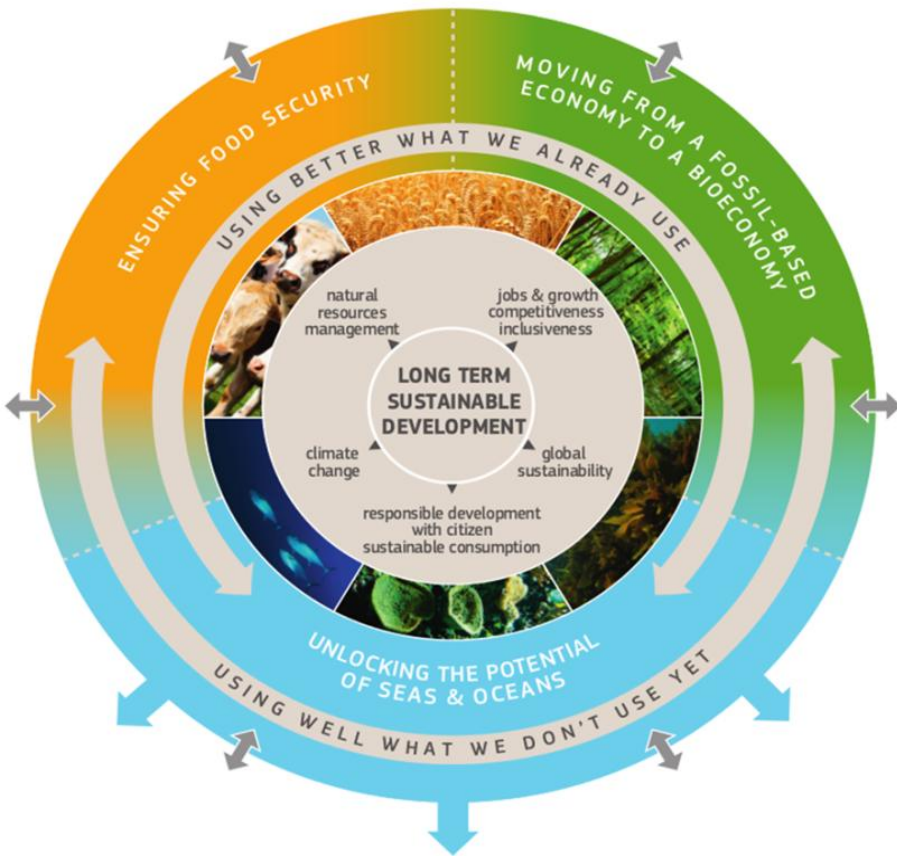
Bioeconomy Working Group meeting – European Parliament, 01/06/2017

Bioeconomy encompasses the production of **renewable biological resources** from land and sea and the conversion of these resources & waste streams into value added products (e.g. food, feed, bio-materials, bio-energy and bio-products).

EU bioeconomy strategy, 2012

CHALLENGES:

- ✓ **Feed 9 billion people by 2050**
- ✓ **Unlock the potential of seas & oceans**
- ✓ **Mobilise rural and coastal economies**
- ✓ **Boost bio-based markets**





Source: German Bioeconomy Council, Feb 2017

IN EUROPE: Several MS have adopted **national Bioeconomy Strategies.**

France FEB 2017,
Italy MAR 2017!
AT and EE under development.
Committee of Regions report on BE this week!





HORIZON2020

- EU R&D funding doubled from FP7 to reach €3.8 billion under Horizon2020.

Bio-Based Industries PPP

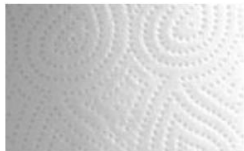
- A €3.7 billion Public-Private Partnership (PPP) between the EU and the Bio-based Industries Consortium (BIC) – EU contribution of € 975 million
- The BBI PPP funds projects aimed at:
 - Building new value chains based on the development of sustainable biomass collection and supply systems;
 - Unlocking the utilisation and valorisation of waste and ligno-cellulosic biomass;
 - Bringing existing value chains to new levels, thus creating a market pull and reinforcing the competitiveness of EU agriculture and forest based industries;
 - R&D upgrading and building demonstration and flagship bio-refineries

Next generation bio-product Mill Finland



METSÄ GROUP | Sales EUR 5.0 billion | Personnel 10,500

METSÄLIITTO COOPERATIVE | Group's parent company | Owned by 122,000 Finnish forest owners



METSÄ TISSUE
Tissue and
cooking papers

Sales:
EUR 1.0 billion
Personnel:
2,800



METSÄ BOARD
Paperboard

Sales:
EUR 2.0 billion
Personnel:
3,100



METSÄ FIBRE
Pulp

Sales:
EUR 1.3 billion
Personnel:
850



METSÄ WOOD
Wood products

Sales:
EUR 0.9 billion
Personnel:
2,300



METSÄ FOREST
Wood supply and
forest services

Sales:
EUR 1.6 billion
Personnel:
900

€ EU contribution: € 275 000 000 total in loans
from EIB, € 75 000 000 via EFSI



Forests and related industries have always been important part of bioeconomy

- **Still 15 years ago the main products were timber, paper, board and energy**
- **Wood construction could be booming (healthy living, a climate benefit, safety in building)**
- **New products are growing: bioplastics, textiles, biofuels**
- **We cannot yet imagine what new innovations can bring to forests based bioeconomy?**



The current EU and global policy context

✓ **Circular Economy Package**

- Food waste, Plastics, Biomass and bio-based products, cascading use of biomass, investments in biorefineries

✓ **Revised legislative proposal on waste**

- Separate collection of biowaste, ban on landfill of waste that is separately collected, waste to energy

✓ **Plastics Strategy**

- Replacing fossil by bio-based feedstocks. Development of biodegradable and bio-benign plastics. Reduce marine litter

✓ **SDGs, COP 21 and Energy Union**

- Reducing agriculture emissions, boosting carbon sink, deployment of biorefineries

✓ **Modernisation of CAP; FOOD2030**



Mandate:

- *Circular Economy action plan 2015:*
"the Commission will examine the contribution of its 2012 Bioeconomy Strategy to the circular economy and consider updating it if necessary".
- *Conclusions of ENV council June 2016:*
"assess the contribution of bioeconomy to circular economy and update the bioeconomy strategy accordingly".
- *Accelerating Clean Energy Innovation 2016:*
"The corresponding role of the bioeconomy (for decarbonisation) will be considered in the upcoming review of the bioeconomy Strategy and its possible update".

Timetable Bioeconomy review

June 2017:

- ***Report from Expert Group Review***
- ***BioE stakeholders Manifesto***
- ***Mapping BioE in the MS (JRC+SCAR)***

16 November 2017:

- ***Conference on BioE review report,***
- ***Manifesto and showcasing BioE (SC2)***

Q1-Q2 2018:

- ***Council Conclusions (tbc)***
- ***Decision on revision/update of BioE strategy***



'Bioeconomy Policy Day'

Brussels, Charlemagne building

16 Nov 2017

- Session on Bioeconomy Stakeholder Manifesto
- Presentation of BE review followed by discussion sessions led by relevant DGs; looking forward
- Save the date link:
<https://ec.europa.eu/programmes/horizon2020/en/news/horizon-2020-societal-challenge-2-infoweek-including-high-level-policy-events>

Bioeconomy:

**"A unique opportunity
to reconnect economy, society and
the environment"***

*The title of the newly launched IT bioeconomy strategy

