



BUILDING THE CIRCULAR ECONOMY WITH BIO-BASED MATERIALS AND PRODUCTS

MEP ASSISTANT LUNCHTIME BRIEFING

23 September 2016

12h00 – 14h00

European Forestry House
Rue du Luxembourg 66
Brussels

Welcome to the European Forestry House!



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Active & sustainable forest management ensures increased growth of forests.

With you today



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Welcome note of MEP Miapetra Kumpula Natri Introduction of EUBA

A The bioeconomy

- What it is and why it is important for Europe
- Examples of sectors, new markets and business models for the circular economy

B Bio-based products & materials in the circular economy

- Its relation to EU policy objectives on jobs and growth, climate and sustainability
- The interconnection between the Bioeconomy and the Circular Economy
- Their role in the Circular Economy Package and waste legislative proposals

Members of EUBA



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Forest-based Sector
Technology Platform



Mission of the EUBA



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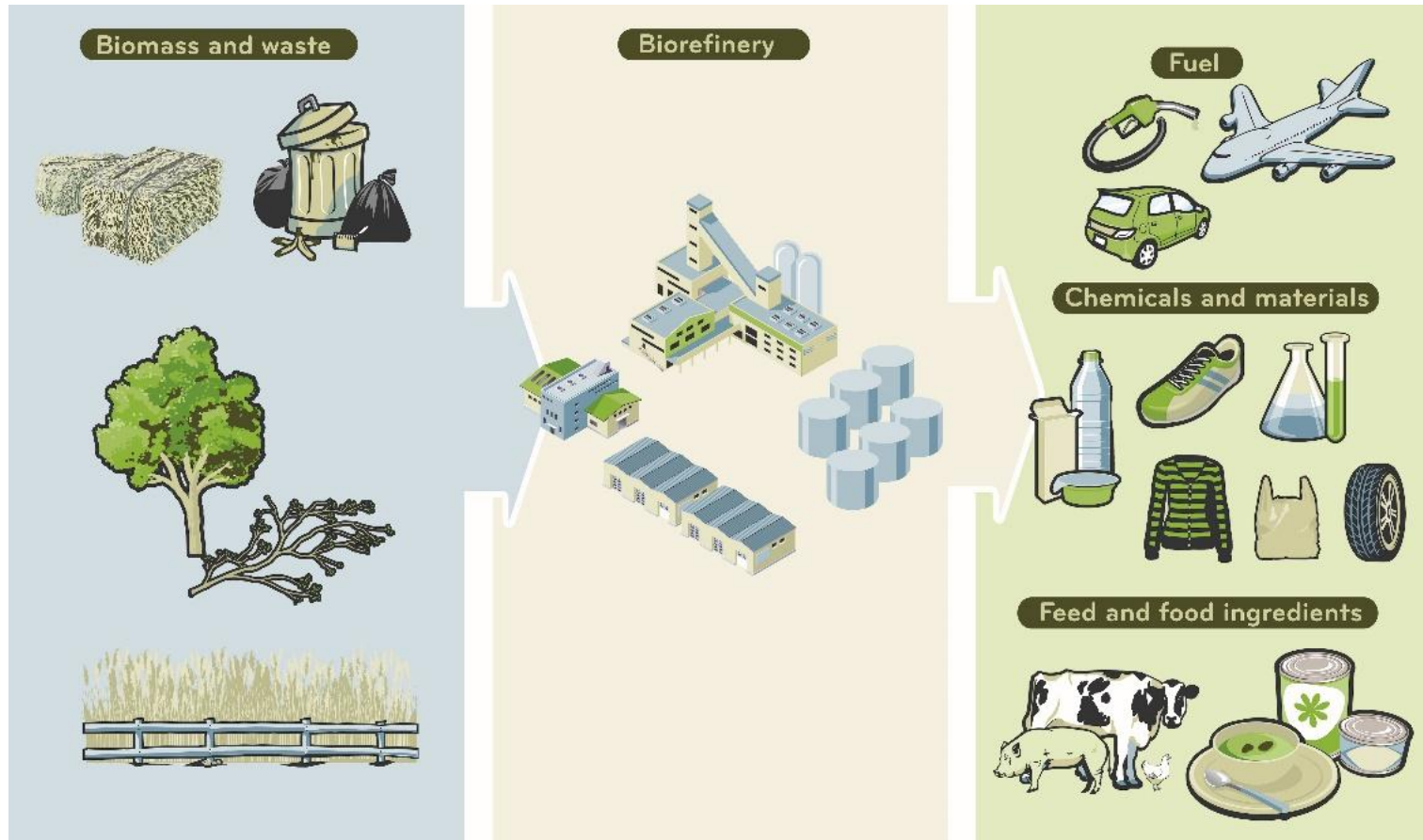
- > Lead transition towards a post-petroleum society while decoupling economic growth from resource depletion and environmental impact.
- > Support the development of the bioeconomy in Europe provided that a policy framework to ensure a fair, predictable and coherent basis for business to operate is guaranteed.



A. The Bioeconomy



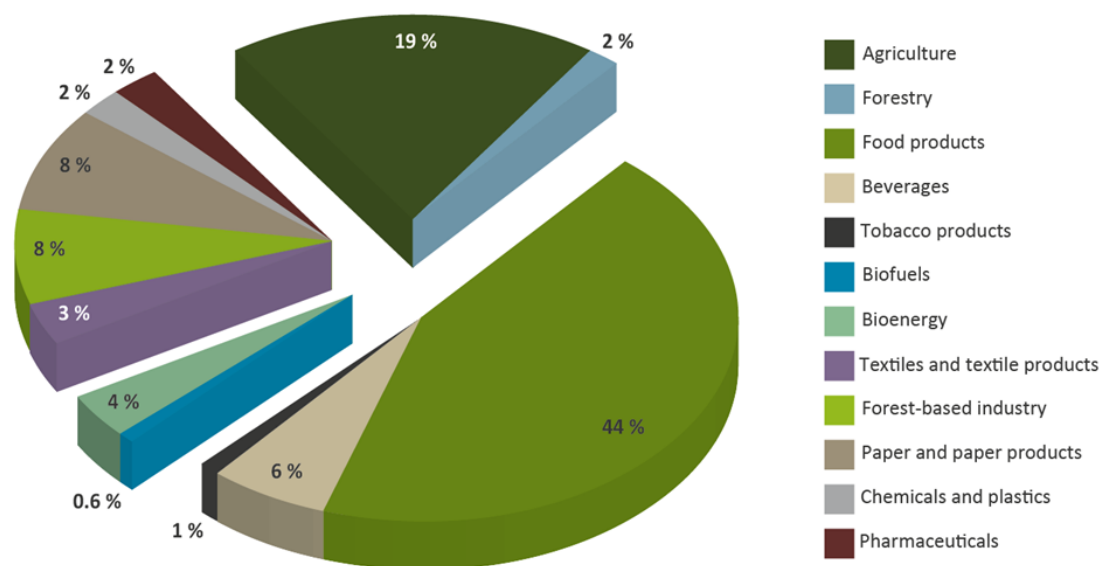
What is the bioeconomy?



Bio-based production in detail



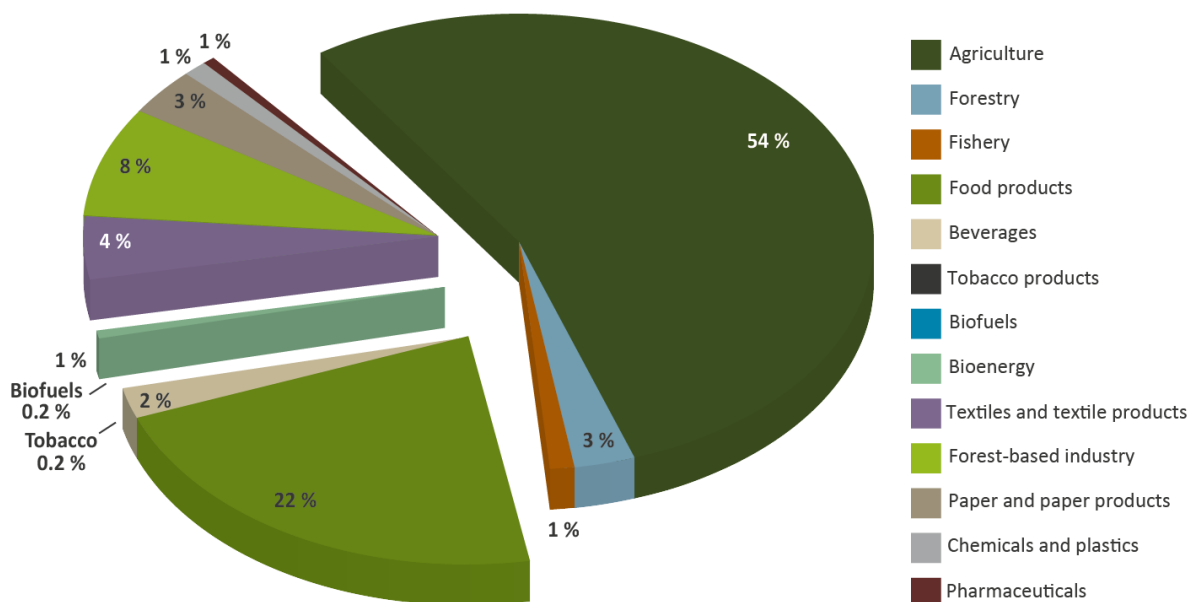
Turnover in the EU bioeconomy (EU-28, 2013)
Total: 2.1 trillion Euro



Bio-based employment in detail



Employment in the EU bioeconomy (EU-28, 2013)
Total: 18.3 million



What is the bioeconomy worth?



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2 Trillion



e.g. GDP of Italy
(2016, nominal)

22 Million



e.g. the entire
workforce of Italy

-2 Billion tons



e.g. more than Germany's
total reported emissions in
1990

EU Commission "Innovating for Sustainable Growth: A Bioeconomy for Europe" COM(2012)60 final.
OECD, Industrial biotechnology and climate change, opportunities and challenges, 2011



The circular bioeconomy in practice



Bioeconomy around the clock



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Bioeconomy links with EU policy objectives



The bioeconomy – ‚fallow‘ potential ready to be used



- > Global dimension of the bioeconomy: Although R&D, innovation and sound industrial base are here, investments take place outside Europe.
- > This is due to:
 - Lack of level playing field with other geographic regions, e.g. the EU’s Emission Trading Scheme
 - EU strategy exists, but need for support beyond R&D
 - Unpredictable/missing regulatory framework
 - Need for policy coherence as the bioeconomy spans across many policy areas including agricultural, forestry, marine, industrial, climate, environment, energy, research and innovation, and regional development
- > Focusing on waste management aspects only is not going to be enough!

Bioeconomy policy needs



- > **Continued emphasis on the bioeconomy**
 - Keep the bioeconomy high on the agenda
 - Contribute to the review of the bioeconomy strategy
 - Seek synergies with the circular economy
- > **Need to integrate the bioeconomy in the policy areas:**
 - Energy Union
 - 2030 Climate and Energy Package and COP 21
 - The Juncker Investment Plan - € 315 billion from 2015 to 2017
 - Horizon 2020
 - *Circular Economy Package*
- > **Ensure clarity of long-term strategy as well as legal certainty and stable conditions** for actors in the value chain
- > **Support to the current initiatives in the bioeconomy field**

EUBA calls for concrete actions 1/2



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> **Innovation and the development of technology**

- Increase public funding
- De-risk investments, through loans and grants
- Stimulate demonstrators (notably via Public Private Partnerships)



> **Availability of biomass**

- Legislation and policies should promote the availability and mobilisation of EU-grown renewable raw materials in sufficient quantities at a suitable quality and at equitable prices

> **European and international standards**

- Finalise standards that help verify claims on bio-based products' biodegradability, bio-based content, recyclability, and sustainability

EUBA calls for concrete actions

2/2



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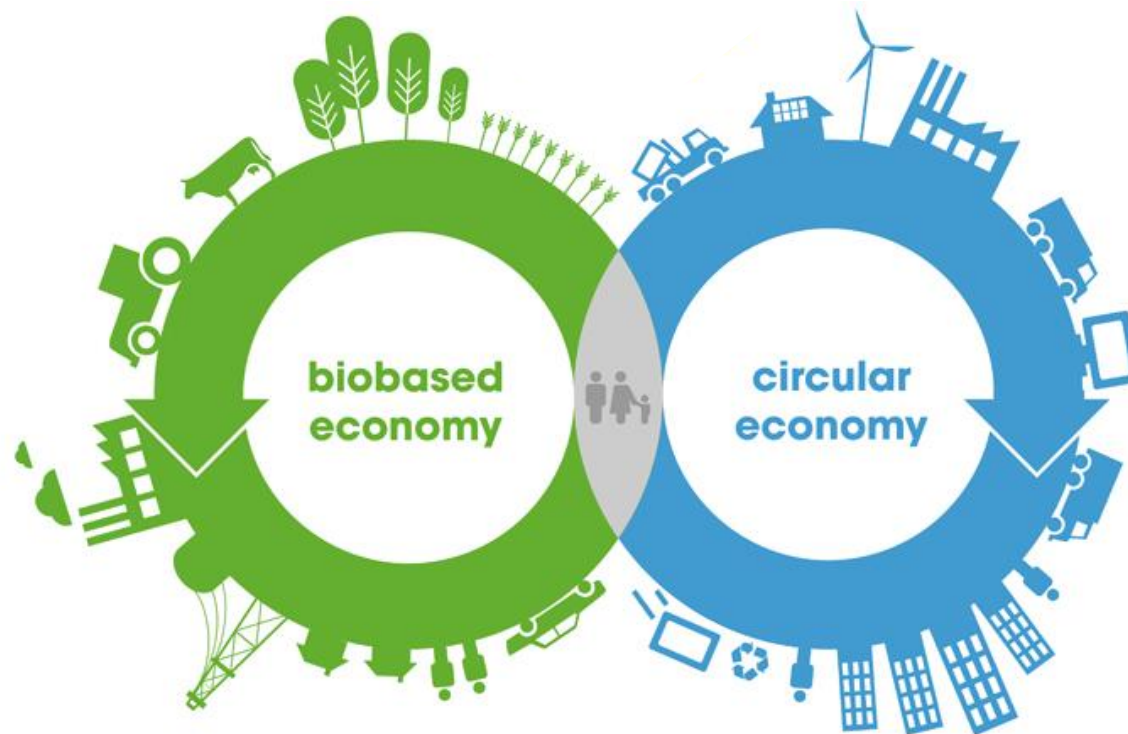
> **Public procurement in all EU Member States**

- Give preference to bio-based products in tender specifications, e.g. US BioPreferred program
- Implement the report of the Commission's DG Grow's Expert Group compiling a set of recommendations on how Member States can promote bio-based products in public procurement.





B. Bio-based products & materials in the Circular Economy



Action Plan – a 1st steps to connect bioeconomy and circular economy



- > Circular Economy Package (CEP) makes first connection between bioeconomy and circular economy
 - *The Communication ‘Closing the loop – an EU action plan for the Circular Economy’ acknowledges that ‘bio-based materials present advantages due to their renewability...’.*
- > Integrating the bioeconomy in Europe’s circular thinking is the missing element. This should include:
 - ✓ Strengthening efficient use of resources
 - ✓ Promoting bio-based materials and products,
 - ✓ Establishing secondary raw material markets.

An opportunity not to miss – bio-based products and the PPWD



- > Creating the missing link to circularity – integrating the bioeconomy in circular thinking – should already happen with regard to the legislative proposals on waste
- > With regard to the Packaging and Packaging Waste Directive (PPWD) possible first concrete steps would be
 1. Inserting a **clear definition of `bio-based`** (CEN definition available)
 2. Encouraging the use of **bio-based materials and products** for the manufacturing of **packaging**, where appropriate
 3. **Recycled material content and bio-based materials** should be given **equal opportunities** as both provide the circular benefits

PPWD amendments picking up bio-based materials and products 1/3



- > What can be found in the consolidated AM?
 - Several amendments mention bio-based materials and products in the AM of the PPWD
 - AM 138 – article 3 – paragraph 1 – point 2a (new)
 - 2a. *'bio-based packaging' means bio-based materials derived from biomass as material of biological origin excluding material embedded in geological formations and/or fossilized;*
 - AM 140 – article 3 – paragraph 1 – point 12a (new)
 - 12a. *'bio-based' shall mean derived from biomass.'*
 - AM 141 – article 3 – paragraph 1 – point 12b (new)
 - 12b. *'biomass' shall mean material of biological origin excluding material embedded in geological formations and/or fossilized.'*

PPWD amendments picking up bio-based materials and products 2/3



- AM 26 – article 4 – paragraph 3a (new)
 - 3a. Member States shall, where appropriate, *encourage the use of bio-based packaging* by taking measures such as:
 - a) improving market conditions for such products;
 - b) reviewing existing legislation hampering the use of those products.

*In addition, the Commission shall assess by 31 December 2018 the use of environmentally friendly food packaging, including an assessment of the feasibility of gradually replacing food packaging with *bio-based and/or biodegradable and compostable products* in accordance with European standards.*

- **Proposed by**
Rapporteur Simona Bonafè

PPWD amendments picking up bio-based materials and products 3/3



- AM 170 – article 4 – paragraph 3a (new)
 - "3a. Member States shall encourage, where appropriate, *the use of biological materials and materials from recycled packaging waste* in the manufacturing of packaging and other products, through measures such as:
 - a) *improving market conditions for such materials;*
 - b) *reviewing existing legislation hampering the use of those materials.*
- AM 269 – replacing Art 6 – paragraph 4
 - '4. Member States shall, where appropriate **and environmentally beneficial from a lifecycle perspective and in line with the waste hierarchy**, encourage the use of **sustainable bio-based materials from renewable sources and materials obtained from recycled packaging waste** for the manufacturing of packaging and other products by:
 - (a) improving market conditions for such materials;
 - (b) **review** existing **legislation hampering** the use of those materials;
 - (ba) making use of adequate economic instruments in order to incentivise the uptake of secondary raw material.'**

Summing it up!

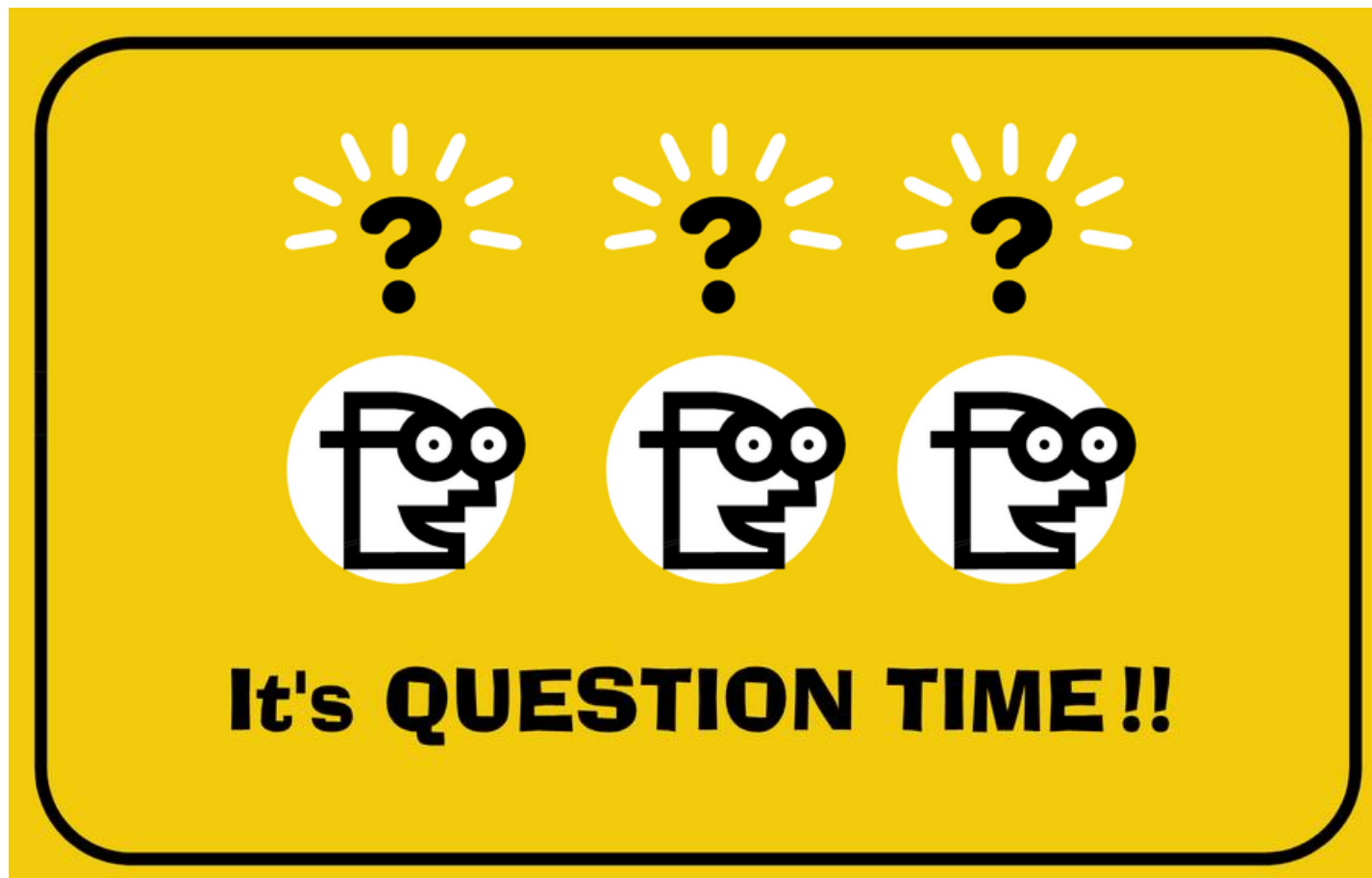


- > The **bioeconomy and the circular economy** go together and **need to be firmly interlinked** through tangible measures in all relevant policy initiatives
- > We can already start today by better **integrating the role of the bioeconomy under the ongoing revision of the EU Waste Proposals.**
- > For example: by **clear definitions** and encouraging the use of **bio-based materials in packaging.**
- > Furthermore, it is important to implementation of the **Circular Economy Action Plan**, and give the bioeconomy a central position.

Question time!



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Question time & Mingle



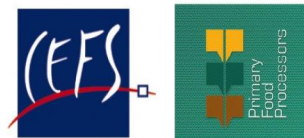
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Thank you for your attention!

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