

Let's talk about bioeconomy - an European and Austrian perspective

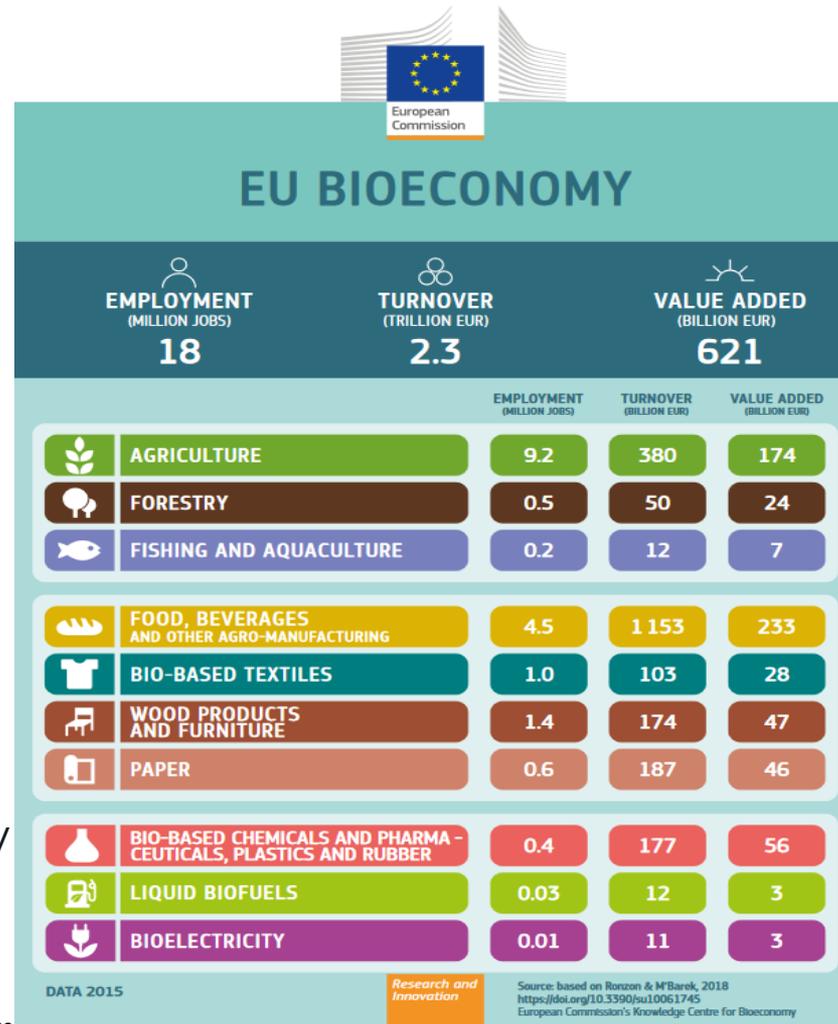
Isabella Plimon
Directorate IV/5 – Innovative Technologies and
Bioeconomy
Santiago de Chile, 4th September 2019

The Bioeconomy is already a vital part of the EU economy

Europe's Bioeconomy Strategy was first
launched and adopted in 2012
by the European Commission

→ focus on RTD and the production of
renewable biological resources and their
conversion into vital products and bio-energy

Let's talk about bioeconomy - an European and Austrian perspective

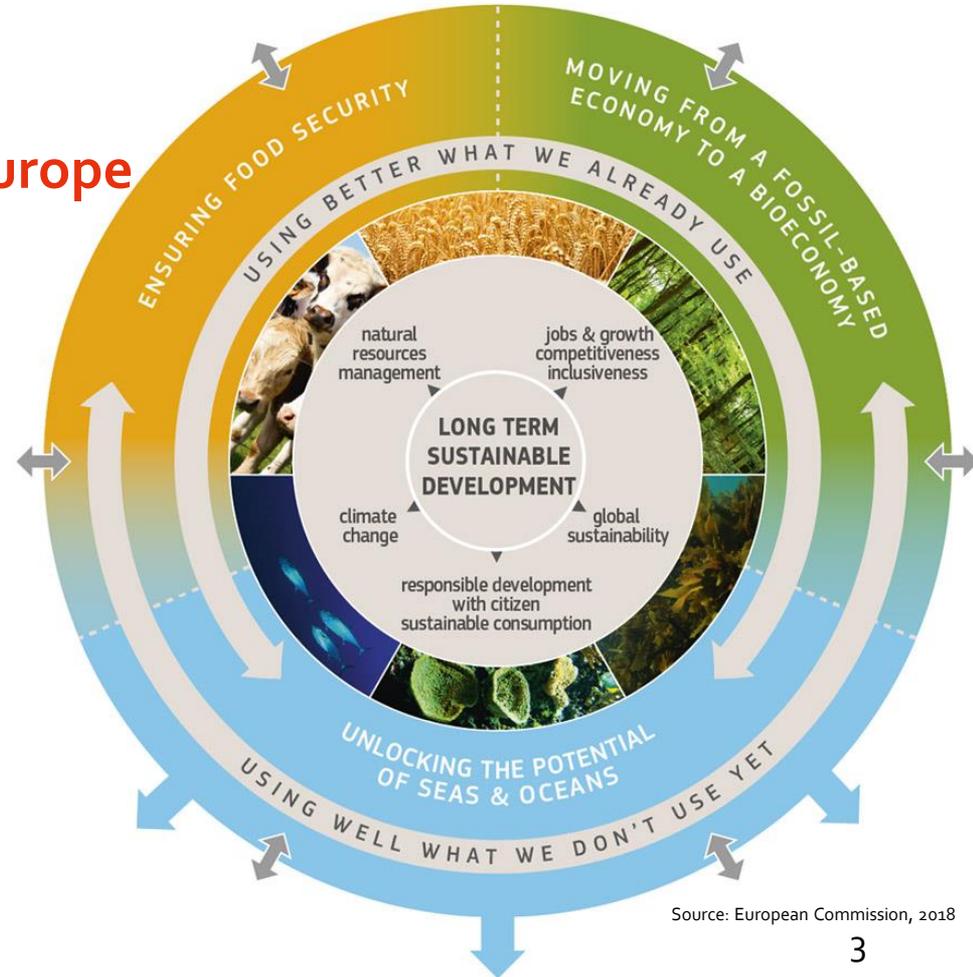


Source: European Commission, 2018

A sustainable Bioeconomy for Europe

In 2018 the EU Strategy was updated to

- Strengthen and scale up the bio-based sectors, unlock investments and markets
- Deploy local bioeconomies rapidly across the whole of Europe
- Understand the ecological boundaries of the bioeconomy



Source: European Commission, 2018

The lines of action of the updated Bioeconomy Strategy

1

STRENGTHEN AND SCALE-UP THE BIO-BASED SECTORS, UNLOCK INVESTMENTS AND MARKETS

-  **Mobilise stakeholders in development and deployment of sustainable bio-based solutions**
-  **Launch the EUR 100 million Circular Bioeconomy Thematic Investment Platform**
-  **Analyse enablers and bottlenecks for the deployment of bio-based innovations**
-  **Promote and develop standards, labels and market uptake of bio-based products**
-  **Facilitate the development of new sustainable biorefineries**
-  **Develop substitutes to fossil based materials that are bio-based, recyclable and marine biodegradable**

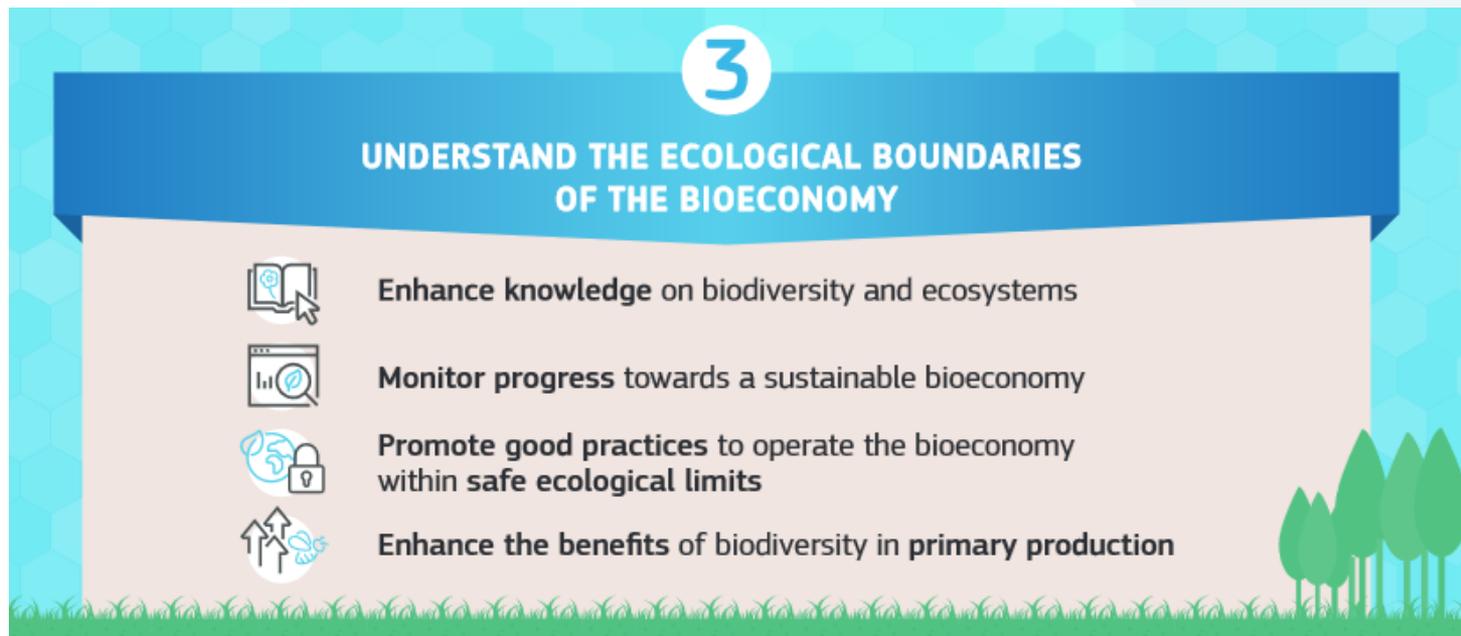
The lines of action of the updated Bioeconomy Strategy

2

DEPLOY LOCAL BIOECONOMIES RAPIDLY ACROSS EUROPE

-  **Launch a Strategic Deployment Agenda** for sustainable food and farming systems, forestry and bio-based products
-  **Launch pilot actions for the development of bioeconomies** in rural, coastal and urban areas
-  **Support regions and Member States** to develop Bioeconomy Strategies
-  **Promote education, training and skills** across the bioeconomy

The lines of action of the updated Bioeconomy Strategy



Source: European Commission, 2018

Do bio-based solutions exist today?

Source: Lenzing AG, 2019

Can you build a wooden skyscraper?



Source: cetus Baudevelopment GmbH, 2019

Can you change your primary energy production?

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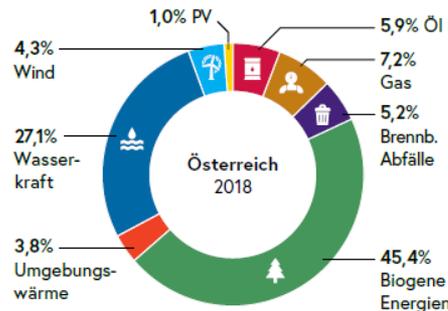
LENZING™ fibers produced from the raw material wood



Can you dress up in wood?

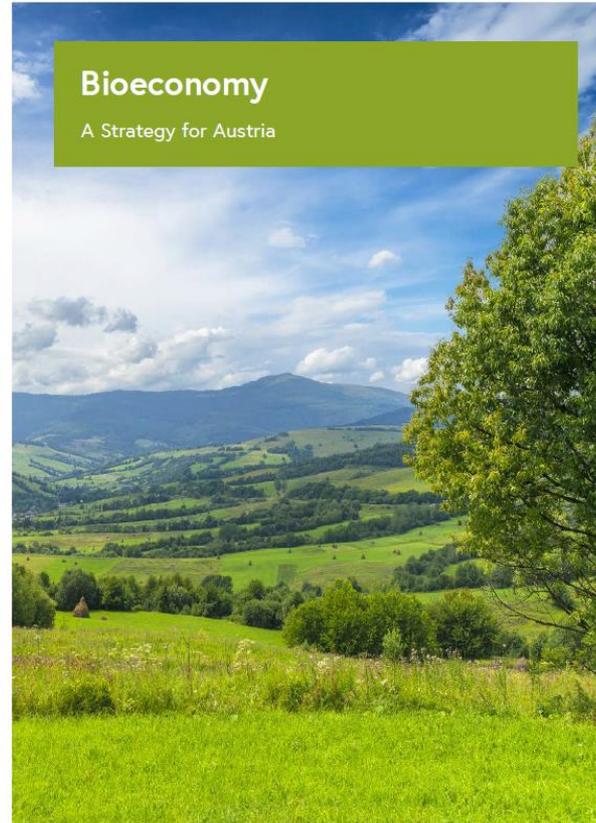
Primärenergieerzeugung im Vergleich

Anteile der Energieträger in Österreich und EU-28 in Prozent



Source: BMNT/Energie in Österreich, 2019

Bioeconomy – A Strategy for Austria



Who?

- **The Federal Ministry for Sustainability and Tourism**
 - Climate, Environment and Energy
 - Sustainability and Biodiversity
 - Agriculture, Forestry, Water and Waste
 - Subsidies and EU programmes

In cooperation with the Ministries for Transport, Innovation and Technology and the Ministry for Education, Science and Research.

How?

- **#mission2030, the Austrian Climate and Energy Strategy (May 2018)**
Bioeconomy is one of 12 flagship projects
 - **Exchange of ideas with a Bioeconomy platform**
 - 20 experts from enterprises, universities and NGOs
 - **2 Online Consultations on the goals and the action fields of the strategy**
 - building on existing, mostly sectoral studies
- **the strategy was approved by the government on 13. 3. 2019**

What?

- **Requirements for a Bioeconomy Strategy**
 - Vision, Mission (objectives, references), Research and Development
- **The basis of a sustainable Bioeconomy**
 - Guidelines (SDG reference), Sustainable Consumption
- **Resources of the Bioeconomy in Austria**
 - Agriculture, forestry, water management, residuals, by-products, wastes

What?

- **Technologies of the Bioeconomy**
 - Agricultural cultivation (processing and harvesting), transport and logistics, conversion
- **Products of the Bioeconomy**
 - Food and animal feed, materials (pulp and paper, fibres, chemicals, construction sector), Bioenergy (solid, liquid, gaseous)

Lessons learned

- ✓ Need for collaboration on all levels, especially with R&D experts
- ✓ Get companies on board, address projects and make the bioeconomy „tangible“
- ✓ Keep the SDGs in mind and shape your strategy accordingly
- ✓ Keep an eye on the consumer side – they have to buy the new products
- ✓ Don't be afraid of cross – sectoral exchange and ideas;
you are looking for bio – based value chains / regional networks
- ✓ **You can do it** and focus on the opportunities ahead 😊 !!!

... and what's next?

- **We are working on an Actionplan**
 - Numerous workshops with enterprises, regions and other stakeholders until autumn 2019
 - The strategy identifies action fields – we need to translate them into actions (with responsibilities, a timeframe and budgetary requirements)
 - Learning from other strategies and best practices in other countries

Thank you for your attention!

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<https://www.bmnt.gv.at/english/environment/Climateprotect/Austria-s-Bioeconomy-Strategy.html>