



# Introduction to the KCB deep dive on bio-based textiles

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Bio-based textiles - Expert workshop on latest research findings, market trends and policy needs  
Brussels, June 26, 2024

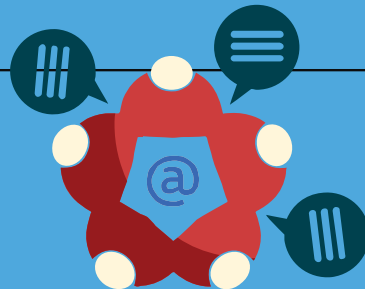
# Knowledge Centre for Bioeconomy



**Identifying** and **filtering** relevant information and making it accessible.



**Bringing together researchers, policymakers and other experts** in the field.



**Analysing, synthesising and communicating** available evidence.



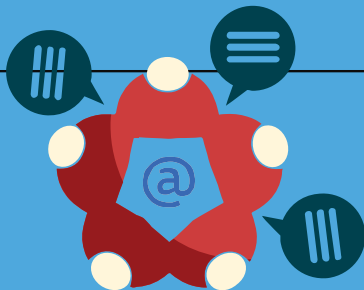
**Enhancing** the **knowledge** base for policymaking.



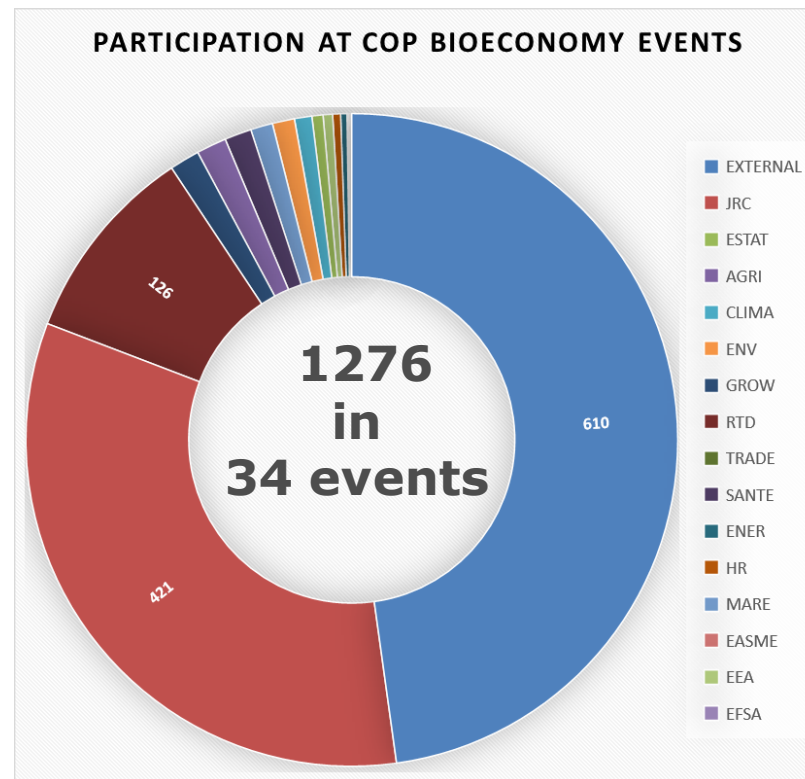
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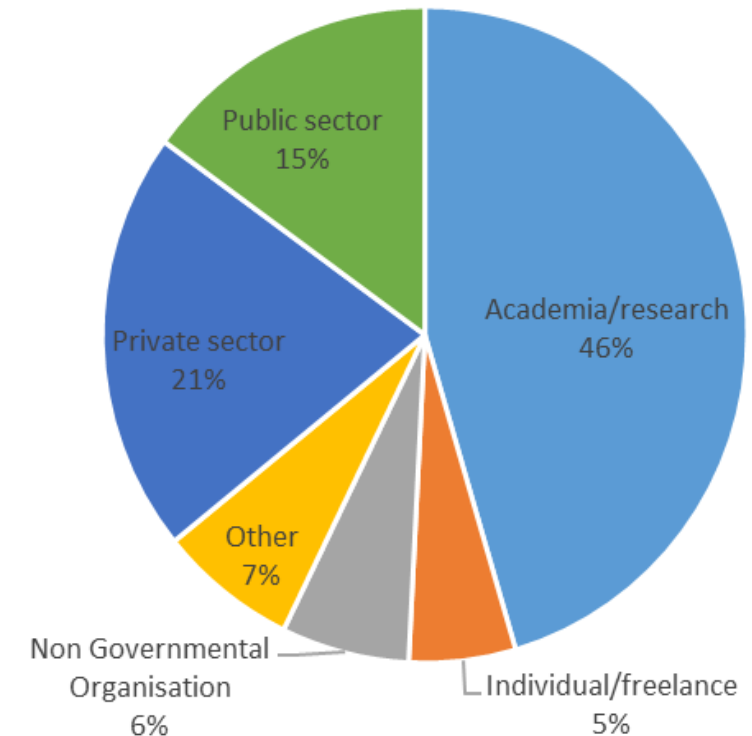


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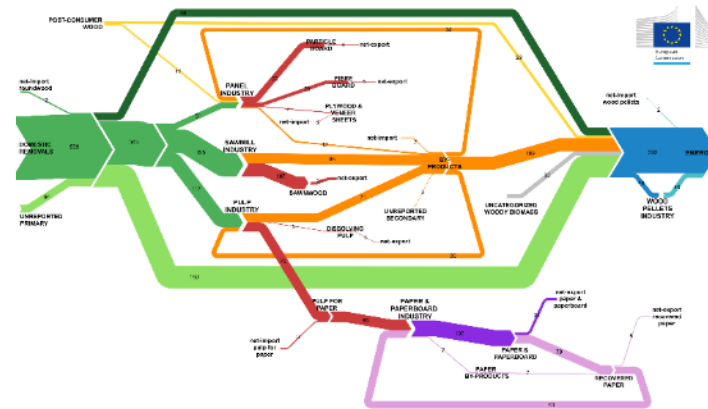
# Knowledge Centre for Bioeconomy



Analysing, synthesising and communicating available evidence.



## Briefs, dashboards, videos

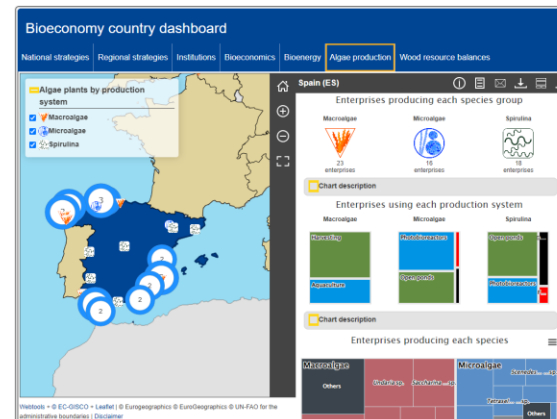


[https://knowledge4policy.ec.europa.eu/visualisation/interactive-sankey-diagrams-woody-biomass-flows-eu-member-states\\_en](https://knowledge4policy.ec.europa.eu/visualisation/interactive-sankey-diagrams-woody-biomass-flows-eu-member-states_en)



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[https://knowledge4policy.ec.europa.eu/visualisation/bioeconomy-different-countries\\_en#algae\\_prod\\_plants](https://knowledge4policy.ec.europa.eu/visualisation/bioeconomy-different-countries_en#algae_prod_plants)



### Brief on jobs and growth in the EU bioeconomy 2012-2021

- Key messages**
- In 2021 the biomass-producing and converting sectors of the EU economy created up to EUR 728 billion of value added and employed 17.2 million people. These values represent 5.0 % of the EU's gross domestic product (GDP) and 8.2 % of its labour force.
  - Between 2012 and 2021, the value added in the bioeconomy sectors in real terms grew by 39 %, mainly driven by the bio-based manufacturing sectors.
  - However, there was a decrease of 1.3 million jobs in the same period, primarily due to the reduction in agricultural employment; by contrast, some bio-based industries increased their employment levels during the period analysed.
  - With respect to the COVID-19 crisis, the bioeconomy showed more resilience than the overall economy. Traditional biomass-processing sectors declined in 2020 but strongly recovered in 2021, while more technological sectors show more stable trends during this period. This highlights the key role of the EU bioeconomy, not only for environmental sustainability, but also for strengthening socioeconomic resilience and the contribution to the EU's strategic autonomy.
  - The structure of the EU bioeconomy varies across Member States. Generally, Eastern and Southern European countries have higher shares of bio-based sectors over GDP and total employment, due to their specialisation in primary sectors. However, these countries also accounted for most of the agricultural workforce decline, resulting in a subsequent increase of the apparent labour productivity.

EU BIOECONOMY				
European Commission's Knowledge Centre for Bioeconomy				
	EMPLOYMENT (MILLION JOBS)	VALUE ADDED (BILLION EUR)	VALUE ADDED (SHARE GDP)	VALUE ADDED (SHARE TOT)
AGRICULTURE	8.6	204	28 %	
FORESTRY	0.5	25	3.4 %	
FISHING AND AQUACULTURE	0.2	6	0.8 %	
FOOD, BEVERAGES AND OTHER AGRO-MANUFACTURING	4.7	262	36 %	
BIO-BASED TEXTILES	0.7	25	3.5 %	
WOOD PRODUCTS AND FURNITURE	1.4	66	9.1 %	
PAPER	0.6	49	6.7 %	
BIO-BASED CHEMICALS AND PHARMACEUTICALS, PLASTICS AND RUBBER	0.5	78	11 %	
LIQUID BIOFUELS	0.03	8	0.8 %	
BIOELECTRICITY	0.04	6	1.0 %	

DATA 2021 - EU-27  
Source: based on Lasarte-López et al. (2024)

# Deep dive on bio-based textiles

## overall aim

- To analyse, synthesise data and up-to-date evidence on bio-based textiles
- To present and disseminate them through specific outputs (videos, briefs, data visualisations etc.), structure them in a user-friendly web-based format

## expected final output

### Bio-based textiles

Access knowledge resources on bio-based textiles



Bio-based textiles are...

We can use them for...

The bio-based textiles production in the EU...

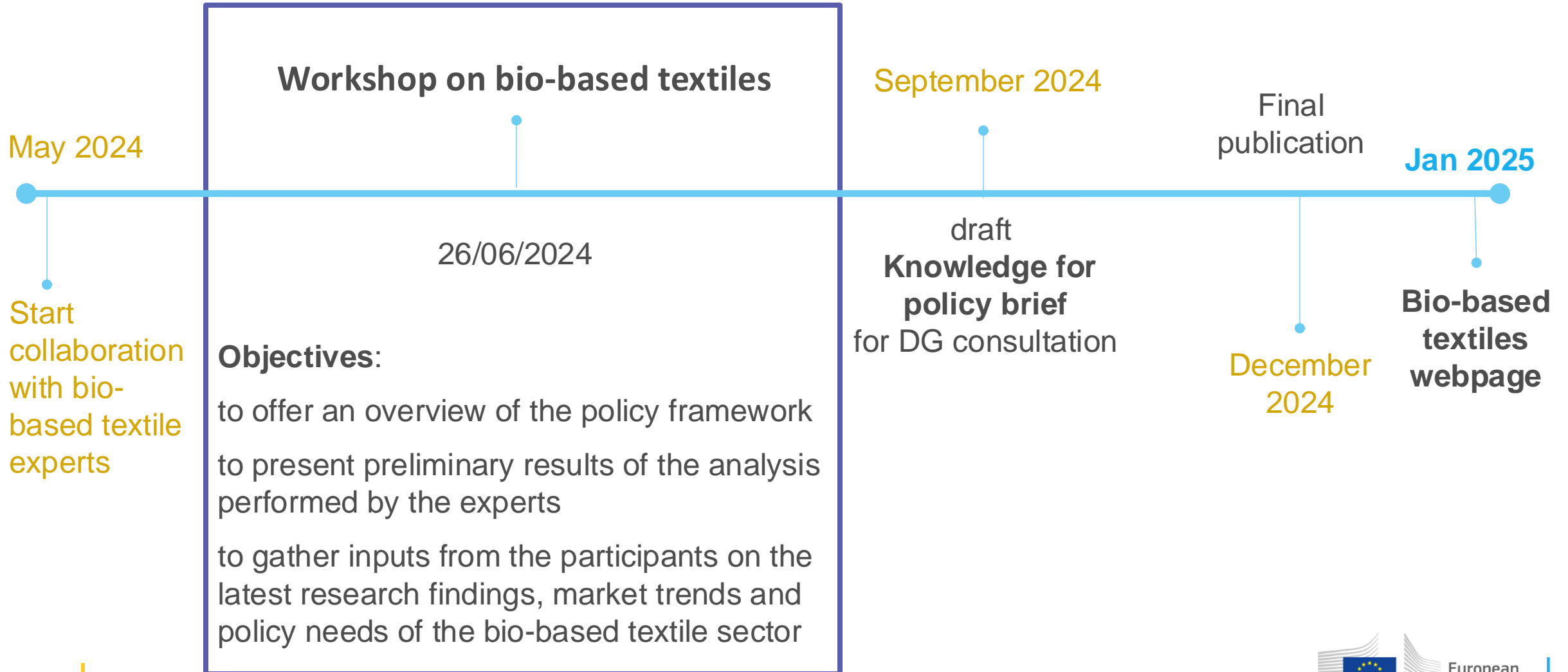


### Brief on bio-based textiles

#### Key messages

1. ....
2. ....
3. ....
4. ....

# Deep dive on bio-based textiles



# Thank you and enjoy the workshop!



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