

Factsheet No. 1

What are bio-based products?

Bio-based product

Product wholly or partly derived from biomass.

- The bio-based product is normally characterised by the bio-based carbon content or the bio-based content.
- Product can be an intermediate, material, semifinished or final product [see page 2].
- “Bio-based product” is often used to refer to a product which is partly bio-based. In those cases the claim should be accompanied by a quantification of the bio-based content.

EN 16575 “Bio-based products – Vocabulary”

Bio-based products and sustainability

Sustainability of bio-based products is dependent on multiple factors, such as sourcing of feedstock, design of the production process, adequate choice of disposal option, etc. Life Cycle Assessments and environmental product labels (such as third party managed ecolabels) provide reliable information for some products.

Sustainable sourcing and smart use of biomass can lead to the production of goods which are improved versions of traditional fossil-based alternatives or completely new items, and thus can contribute positively to savings in greenhouse gas emissions, toxicity, waste reduction and a long-term shift away from finite resources. Check out our website and upcoming factsheets for more information on this topic.



Bio-based products can

- Reduce the economy’s dependence on fossil feedstocks.
- Make a positive contribution to meeting the EU’s climate goals.
- Relieve pressure on ecosystems through feedstock diversification.
- Help create green jobs in the EU, particularly in rural areas.
- Help drive European innovation.

»Establishing a bioeconomy in Europe holds a great potential: it can maintain and create economic growth and jobs in rural, coastal and industrial areas, reduce fossil fuel dependence and improve the economic and environmental sustainability of primary production and processing industries.«

**Innovating for Sustainable Growth:
A Bioeconomy for Europe**

From biomass to bio-based products



Biomass feedstocks



Sugar



Starch



Proteins



Wood & natural fibres



Natural oils & fats



Mixed biomass, waste



Natural rubber

Bio-based intermediates



Wood- and fibre-based materials



Pulp & paper



Surfactants



Platform & fine chemicals



Composites



Polymers

Bio-based end products and application areas



Construction materials



Office materials



Catering products



Protective coatings



Lubricants



Cleaning



Public greenery

InnProBio seeks to build a community of public procurement practitioners interested in the procurement of bio-based products and their associated services. This factsheet series aims to provide concise information on topics of relevance to public procurement of bio-based products and services.

Partners:



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