



ShapingBio Summit – Panels

Panel 2: International Competitiveness – Scale up, Speed up, Demand Pull and Financing Options

Panel discussants:

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Context



Uncertain geopolitical developments



Increasing global competition (US?, China, India)



Climate Change, world population growth, loss of biodiversity



- Significant growth potential in bio-based materials, biomanufacturing, biochemicals and agri-biotech sectors
- EC bioeconomy strategy expected to position the EU in these markets
- Reduce EU reliance on fossil fuels and improve the economic perspectives of EU food security

ShapingBio recommendations: Scale up and speed-up from niche to norm

- Enhance knowledge transfer from applied research to market
- Support use of open access pilot and demo facilities by innovators
- Ensure continuous funding possibilities throughout the innovation chain
- Combination of public and private financing
- Expand public-private partnerships (PPPs) activities:
 - Evaluate whether to integrate existing successful structures of CBE JU or create new PPPs
 - Continuation of efforts towards an IPCEI related to biotech/biomanufacturing

ShapingBio recommendations: Demand-side policies

- **Bio-based products with potential to contribute solving grand societal challenges, but market barriers exist**



Potential instruments

- Strengthen implementation of economic instruments for demand-side policies on different governmental levels
- Coherent policy mix for bio-based products
- Establish a unified strategy and common understanding of biomass pathways or steering criteria to prioritize
- Promote synergies with other strategic activities (e.g. circular economy, public procurement policy)

**Disincentives
for fossil-based
/ CO₂ intensive
products**

Incentives related to GHG emissions (e.g. ETS for bio-based relevant sectors)
Taxes on fossil fuels (e.g. mineral tax for material use)
Removing fossil fuel subsidies

**Support specific
bio-based
products /
segments**

**Targets and
quotas**
e.g. target of
bio-based
products in a
sector

**Mandates
and bans**
e.g. ban of
certain
fossil-based
products

**Direct
financial
support / tax
exemptions**
e.g. lower VAT
for bio-based-
products

**Public
procurement**
e.g. bio-based
as favorable
criteria in
procurement
rules

**Standards
and labels,**
e.g.
standards to
measure
biogenic
carbon