

Bio-Based Industries Joint Undertaking (BBI JU)



Socio-economic impact of the JU

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European
Commission

Horizon 2020
European Union funding
for Research & Innovation



Bio-based Industries
Consortium



EU BIOECONOMY– Why?

Bio-based industries part of Bioeconomy weighing :

- Annual turnover of 2 Trillions Euros
- 22 Million Jobs (10% EU employment)

→ Europe was facing inter-related challenges:



1. Food security
2. Energy security
3. Climate change
4. Re-industrialisation of Europe
5. Reducing dependence on fossil resources

→ Bioeconomy strategy Adopted on 13 February 2012



About BBI JU

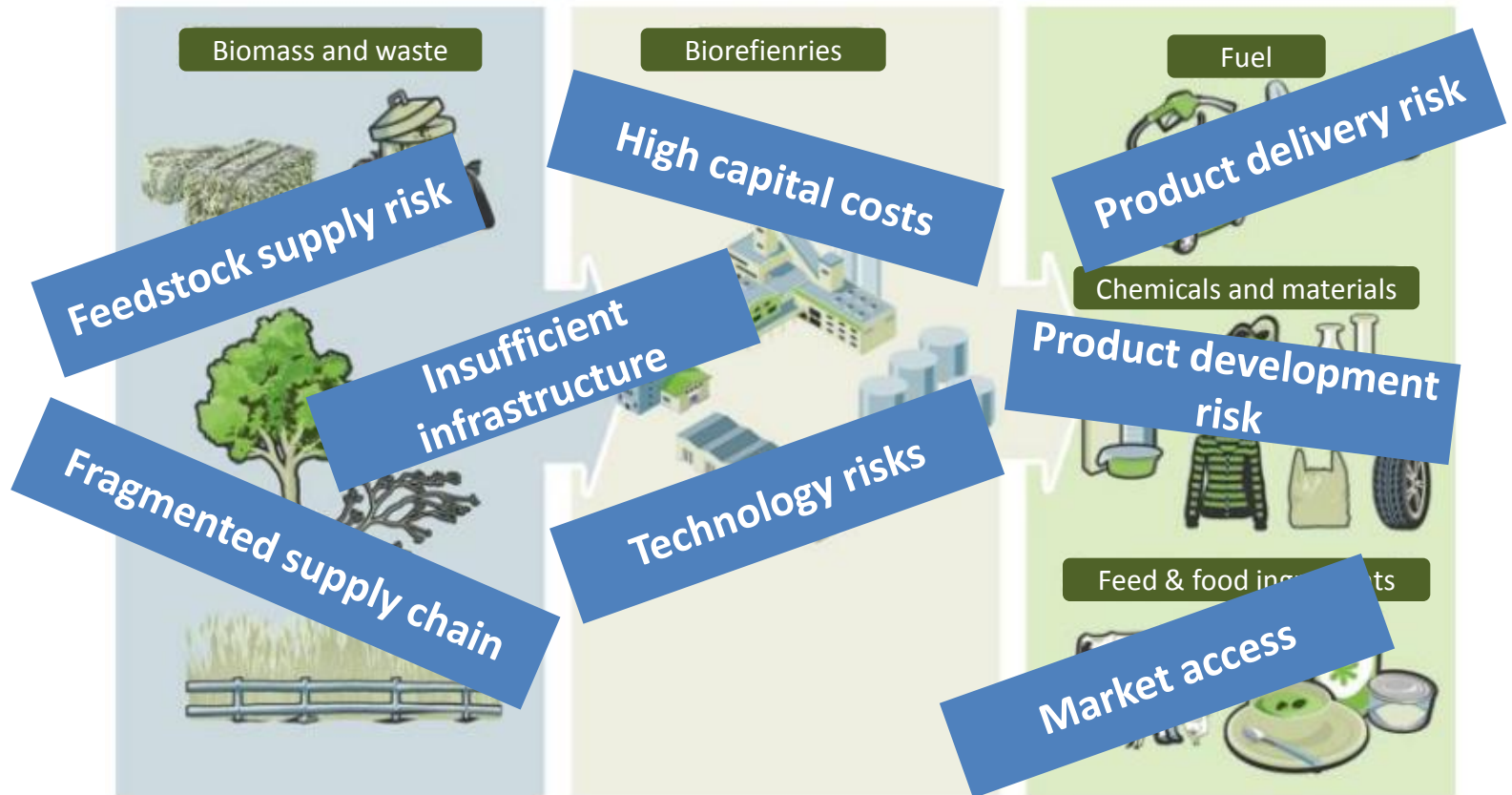
- Public-Private Partnership between European Commission & industry (BIC) supporting R&I for bio-based industries deployment in Europe
- BBI JU Budget: € 3.705 billion (about 75% from industry)
- Independent since October 26th, 2015
- Horizon 2020 rules for participation
- Principles of openness, transparency and excellence





Bio-Based Industries value chains

Bio-based industries value cover all 3 segments and are facing with risks and challenges.





Why BBI JU?

European public-private partnership needed to **de-risk, organize** & reach **critical mass** of emerging BBI

Eight reasons for BBI JU:

1. Pool resources from public & private sectors, to create a common platform
2. Joint approach, across sectors and geographies
3. Reach critical mass in a focused and coherent way
4. Joint financial commitment and a jointly defined programme
5. Enable to leverage additional investments.
6. Allow industry to get organized along bioeconomy value chains
7. Clear framework that brings clarity for activities & investments
8. Long term stability and predictability



BBi JU objectives

Develop sustainable and competitive bio-based industries in Europe, based on advanced biorefineries that source their biomass sustainably by:

- 1. Demonstrating new technologies** using European biomasses: new chemical building blocks, new materials, and new consumer products from European biomass;
- 2. Developing business models** integrating economic actors along the value chain
- 3. Setting-up flagship biorefinery plants** deploying technologies & business models



Expected impact for Europe by 2030

1. Develop the potential of agriculture waste and forestry residues.
2. Replace 30% oil based chemicals & materials
3. Diversify & grow farmers income
4. Create 1 million jobs – 80% in rural area
5. Reduce dependency on import of fossil raw materials
6. Shift to bio-based → average 50% GHG emission reduction



Thank you for your attention



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