



RoadToBio – Roadmap for the Chemical Industry in Europe towards a Bioeconomy

- An introduction

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Stakeholder Workshop

06 – 07 – 2017

Brussels , ibis Hotel St. Catherine



Agenda



Goals for this afternoon:

- Introduce the project, begin dialogue with stakeholders, identify key stakeholder concerns and expectations for the road map

Time	Topic	Presenter
12.30 h	Lunch and Networking	
13.30 h	Welcome and introduction	E4tech
13.45 h	The vision of 30% bio-based chemicals in Europe by 2030 - Why and How?	nova
14.05h	Interactive session: stakeholder expectations for road map and key concerns	nova
14.30h	Coffee break	
15.00h	Discussion of the results	nova
16.00h	Wrap-up of the workshop	DECHEMA
End 16.30h at the latest		

Origin of this project



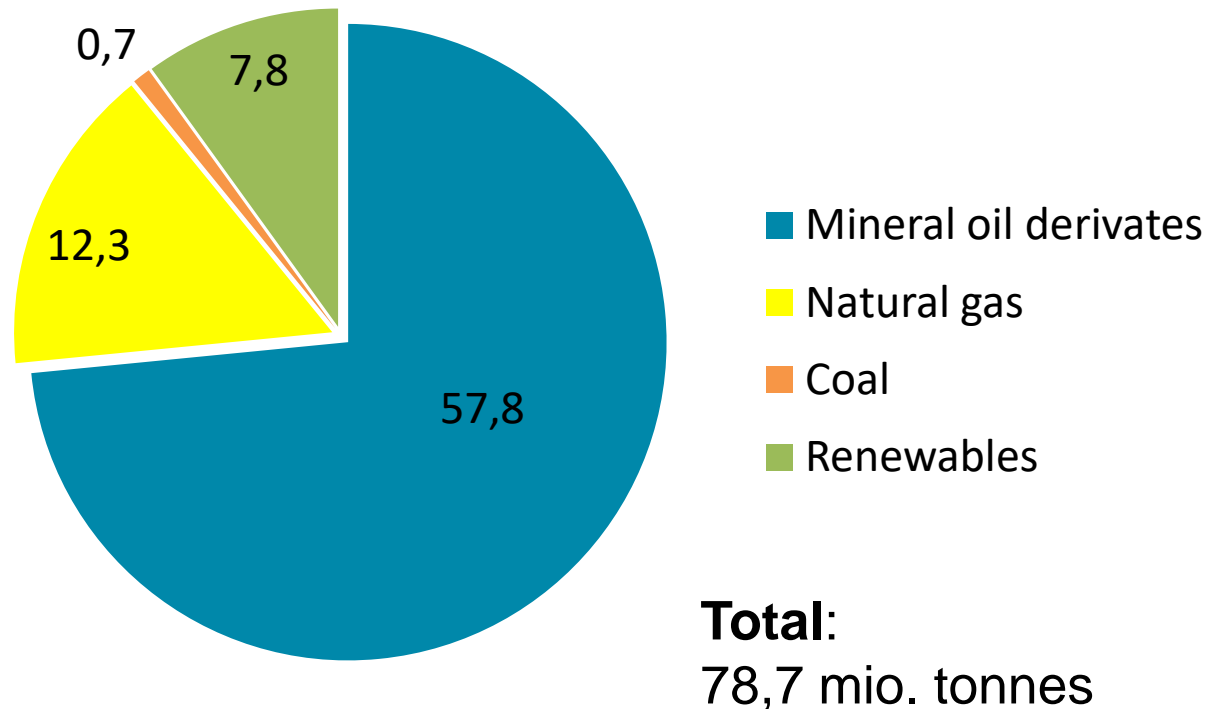
- Funded by the Bio-based Industries (BBI) Joint Undertaking, a Public-Private Partnership between the EU and the Bio-based Industries Consortium
- BBI Pledges to make €3.7bn investments in bio-based innovation between 2014-2020
- This project was developed in response to the 2016 call for proposals to develop as a co-ordination and support action, “A roadmap for the chemical industry to a bioeconomy”

Organic raw material (feedstock) use in the European Union chemical industry



Volume material use in mio. tonnes

EU chemical industry, 2014



Strategic Objectives of BBI for 2020 and 2030 defined in SIRA

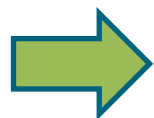
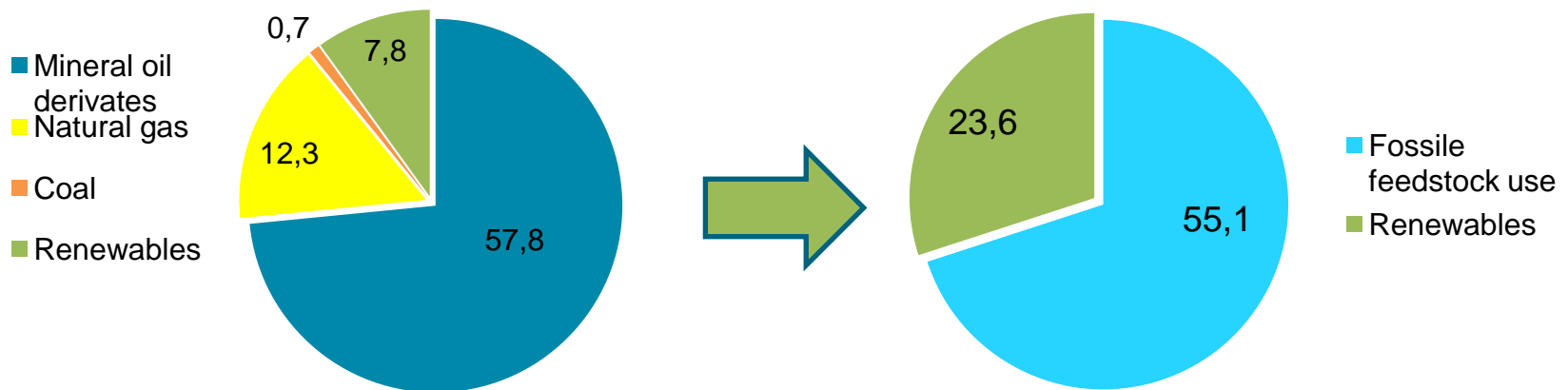


BIC formulated 13 overall strategic objectives. One of them:

“8. The BBI initiative will contribute to and trigger industrial deployment of bio-based chemicals, biomaterials and advanced biofuels, so that:

- 20 % of the chemicals and materials in Europe will be bio-based by 2020 (rising to a quarter in 2030, compared to 10 % in 2010”

Source: Strategic innovation and research agenda (2017) Bio-based industries consortium)



How can the chemical industry reach the strategic objective of 30 % and the total volume of 23,6 mio tonnes of renewables feedstock use?

Main objective of the Roadmap

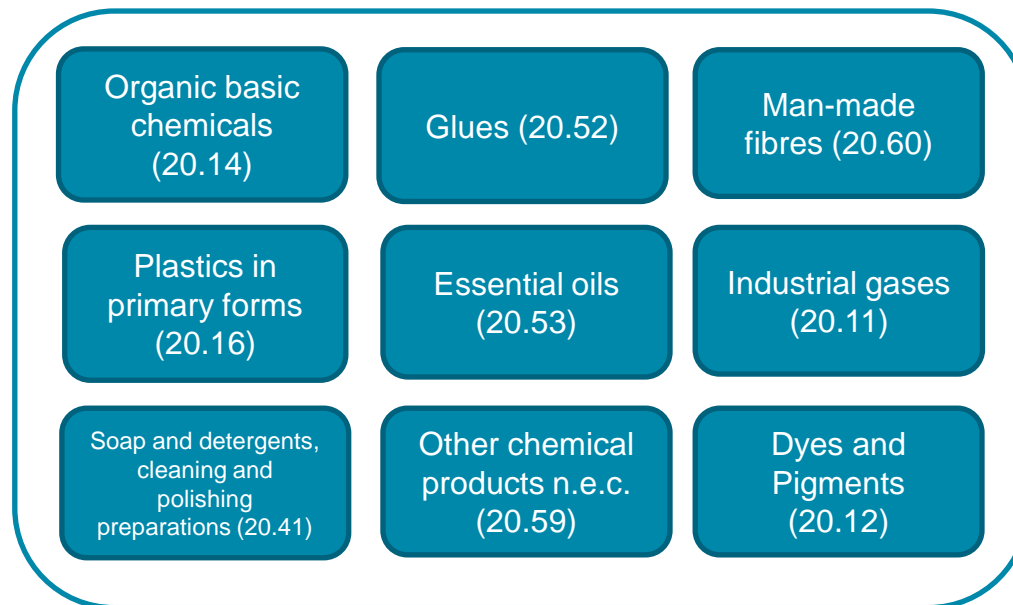


“...a roadmap for the chemical industry that shows the path towards an overall 30 % share of bioproducts in the organic chemical industry that meet societal needs in 2030”

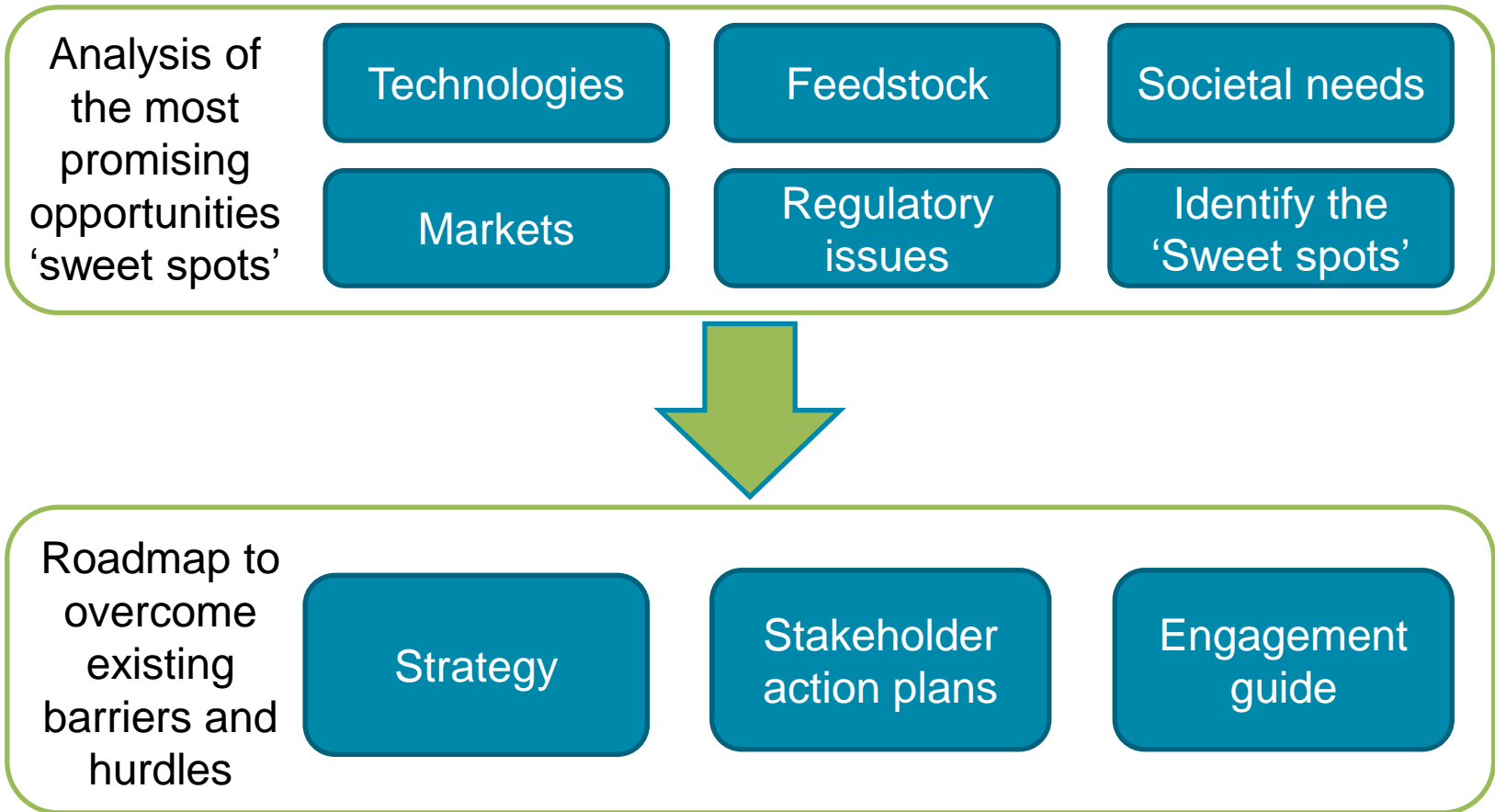
Scope



- Focus on opportunities for the chemical sector within the following nine NACE classes (under Division 20: Manufacture of chemicals and chemical products):



Two main components of the project



Content of the roadmap



- List target “sweet spots” and their potential contribution to the 2030 target
- Roadmap inspired by ambition to realise these sweet spots:
 - 1) SMART growth **targets** to 2030;
 - 2) **Investments** required;
 - 3) Identified regulatory, acceptance and other **barriers** with an **action plan** to overcome them
 - 4) Actions mapped onto a **timeline: who, when, what?**
 - 5) Identify **crunches, critical periods, dependencies** and low regret actions
 - 6) Articulate **impacts/benefits** of achieving the vision in the roadmap
 - 7) Identify new links between companies, associations and (non-) governmental organizations that need to be forged, with approaches for achieving this
- Stakeholder action plans

Engagement guide



- The road map will be accompanied by an engagement guide to support the implementation of the roadmap
- This engagement guide will identify:
 - Key communication objectives
 - Target groups
 - Key messages
 - Communication channels
 - Communication formats and products

Stakeholder participation



- Buy-in from different stakeholder groups critical to implementation and success
- Seek feedback on ideas, priorities, areas of concern, results throughout the project
- Ensure the roadmap considers the perspectives of
 - up and downstream industry players
 - fossil and bio-based industries
 - Chemical industry and societal and governmental organisations
- Mindful of stakeholder time – strategic and co-ordinated

Engaging with the project



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Project website live in August:

www.roadtobio.eu

Project consortium



- Society for chemical engineering and Biotechnology
- DECHEMA hub of an interdisciplinary network of topic-oriented committees
- Interface for experts to stimulate scientific exchange
- Identifies and evaluates technological trends
- organizes events and professional development courses in specialized areas



- High-tech SME with 30 employees
 - 35 years of experience operating in the bioeconomy, developing processes and technologies
 - Bioenergy, biofuels and bio-based products
 - Combining academic intelligence with engineering skills
- Two business units:
- BTG Consultancy
 - BTG Technology



- Strategic consultancy focused on sustainable energy and materials
 - Analyses the global opportunities and challenges of clean energy, fuels and materials
 - Giving strategic business and policy advices
- E4tech Analysis and Expertise:
- Evaluation of opportunities and risks
 - Guidance and support next steps



- Private independent institute
- Active in all matters surrounding the bio-based and CO₂-based economy
- Research and consultancy are market research and techno-economic evaluation
- Analysis of final products, feasibility, potential studies
- Impact and sustainable Assessment including LCA

On behalf of the project consortium
thank you for your attention



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Horizon 2020
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