



Taskforces to provide content for 2030 SIRA



May 2019







**Bio-based Industries
Consortium**

	TF 1 Integrating feedstock into bio- based value chains	TF 2 Integrating operations within bio-based value chains	TF 3 Integrating markets & society into bio- based value chains	TF 4 Integrating investments into an inclusive bio- economy
<p>The taskforce to address respective key items </p> <p>Related to sections in the Vision 2050 shown below and marked in coloured intersections in the matrix </p>	<ul style="list-style-type: none"> ○ Co-create food & non-food ○ Interconnect sites to valorise residual streams ○ Expand feedstock sources/variety ○ Use, protect & enrich cultivation space¹ ○ Integrate primary sectors as strategic partners ○ Enhance biodiversity ○ Efficient logistics for feedstock supply ○ Enabling regulation ○ Adequate skills and competences 	<ul style="list-style-type: none"> ○ Resource & energy efficiency ○ Reduce emissions to atmosphere, water and soil ○ New & innovative technologies for operations and for monitoring, analysing & controlling (incl. data science) ○ Operational modularity and mobility ○ Circularity ○ End of life; LCA ○ Integrate technology providers & operators as strategic partners ○ Enabling regulation ○ Adequate skills and competences 	<ul style="list-style-type: none"> ○ Market, societal needs 'pull' solutions and provide focus for value chains ○ Sustainable, eco-designed products, services & applications respond and meet needs ○ New, functional products create new applications & markets ○ Integrating formulators and brand owners as strategic partners in value chains ○ Efficient logistics for products supply ○ Enabling regulations; standards, labelling ○ Adequate skills and competences 	<ul style="list-style-type: none"> ○ Investments in facilities, operations, infrastructure ○ Sustainable/green financing by VC & funds, sharing value and risk ○ Integrate value chains into urban, rural & coastal areas ○ Build value chains crossing boundaries of sectors, disciplines & geography ○ Integrate innovation infrastructures and the exchange of expertise ○ Enabling regulation ○ Adequate skills and competences
1. Foster food security for a growing world population and demand for sustainable products				
Integrated and innovative circular operations produce food, feed, bio-based products, services and bioenergy while preserving ecosystems	X			
Bio-based operations utilise new and available feedstock sustainably and generate value-adding products with minimal environmental impact:	X	X	X	
Interconnected bio-based operations exchange intermediate streams and achieve synergies:		X		

¹ Urban, rural, forest, marine

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2. Contribute to a sustainable planet				
Bio-based operations deliver solutions to mitigate climate change:		X		
A sustainable circular bioeconomy uses water efficiently and responsibly and delivers solutions to increase availability of clean water:		X		
A sustainable circular bioeconomy uses natural resources responsibly and eliminates pollution of the biosphere:		X		
3. Create jobs and growth in the circular bioeconomy				
Industry creates jobs in rural, coastal and urban areas, uplifting local economies:	X?	X?	X	
Innovative value chains include actors as strategic partners from primary sectors to markets:	X	X	X	

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Sustainable financing and investment to support the bio-based sector:	X?	X?	X?	X
4. Achieve a circular bioeconomy society				
An innovation infrastructure with interlinked R&D centres stimulates open innovation and facilitates exchange of expertise across Europe:				X

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Member States and regions support the bioeconomy by taking political action:	X	X	X	X
The primary sectors, operational actors, R&I institutions and market actors cooperate with education institutions to meet mutual needs for skills and competences:	X	X	X	X
Active citizens consume and put forward proposals for novel bio-based products and services:	X	X	X	X

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