

Priorities of the CBE JU Call 2023

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Head of Programme
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CBE JU Call 2023: topics list

No competition between topics !

Type of actions	Topics: HORIZON-JU-CBE-2023	Million EUR
IA-Flagships	IAFlag-01 Optimised and integrated woody-based value chains	17
	IAFlag-02 Expansion and/or retro-fitting of biorefineries towards higher-value bio-based chemicals and intermediates	17
	IAFlag-03 Bio-based packaging materials with improved properties: barrier, food contact, forming, printability, safety, recyclability /circularity-by-design	17
	IAFlag-04 Valorisation of aquatic biomass waste and residues	10
IAs	IA-01 Small scale biorefining in rural areas	15
	IA-02 Production of safe, sustainable, and efficient bio-based fertilisers to improve soil health and quality	15
	IA-03 Improve fermentation processes (including downstream purification) to final bio-based products	15
	IA-04 Recycling bio-based plastics increasing sorting and recycled content (upcycling).	15
	IA-05 Development of scalable, safe bio-based surfactants, with an improved sustainability profile	15
	IA-06 Selective, sustainable production routes towards bio-based alternatives to fossil-based chemical building blocks	15
	IA-07 High performance, circular-by design, bio-based composites	15
RIA	R-01 Phyto-management; curing soil with industrial crops, utilising contaminated and saline land for industrial crop production	10
	R-02 Optimised forest-based value chains for high value applications and improved forest management	10
	R-03 Robust and optimised industrial biotech and chemical/industrial biotech processes	10
	R-04 Development of novel, high-performance bio-based polymers and co-polymers	10
	R-05 Pre-normative research to develop standards for biodegradability of bio-based products in controlled and in open environments	5
CSA	S-01 EU-wide network of pilot plants and testing facilities, improving SMEs and start-ups' access to scale-up	1.5
	S-02 Supporting the capacity of regions in environmental sustainability assessment for the bio-based sectors	3
Total		215.5

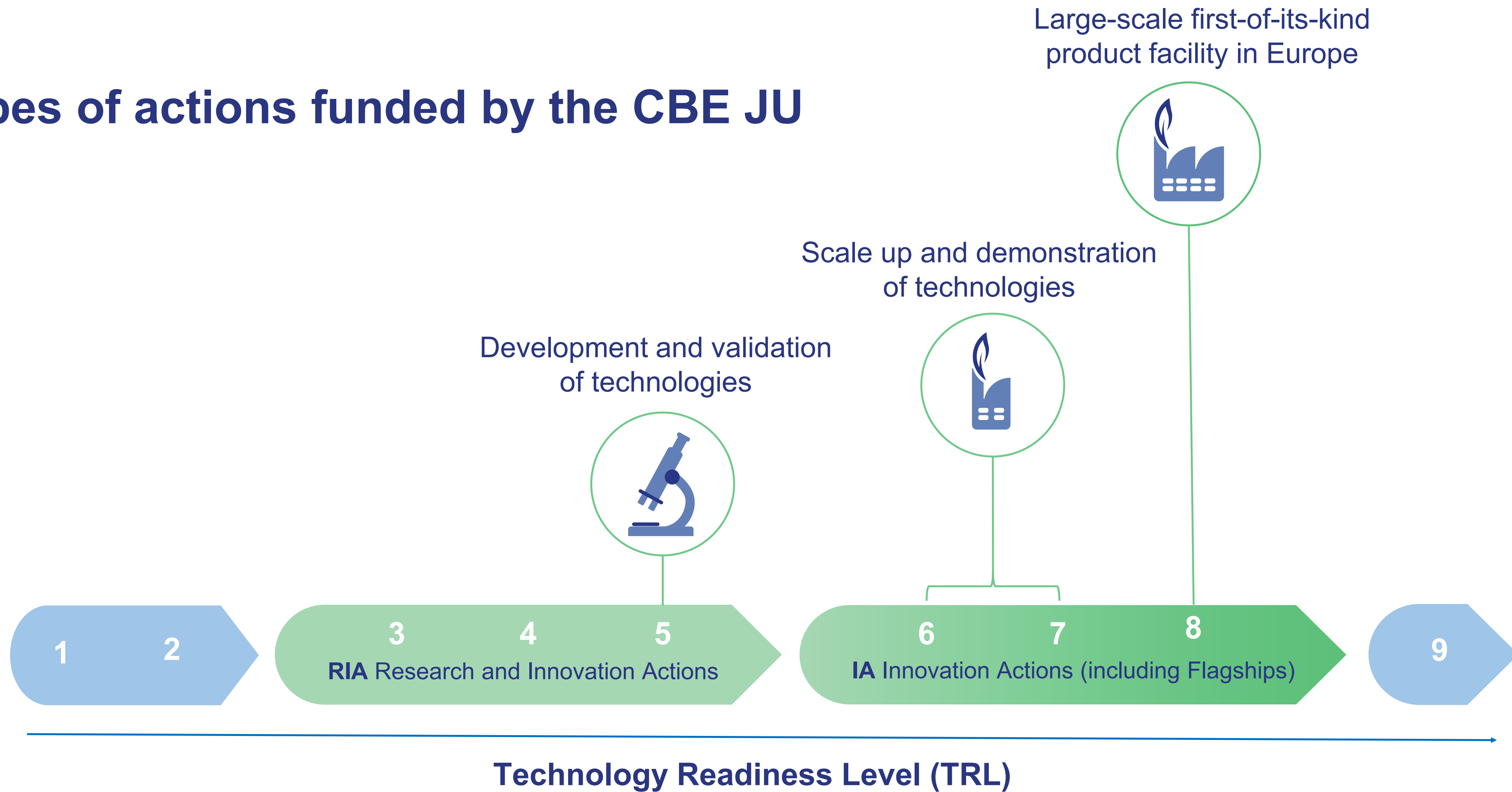
Type of actions and TRL

Type of Action	Innovation Actions, including Flagship Research and Innovation Actions Coordination and Support Actions
Indicative budget	The total indicative budget for the topic is EUR XX million
Expected EU contribution per project	It is estimated that a contribution of EUR XX million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
TRL	TRL XX at the end of the project.
Link to CBE JU Specific Objectives	This topic contributes to the CBE JU specific objective XX
Link to CBE JU SRIA2030	Strategic priority XX
CBE JU KPIs	Please refer to the KPIs table 3

Expected outcomes

Scope

Types of actions funded by the CBE JU



Topic budget

More than one project expected for most of the RIA/IAs topics !

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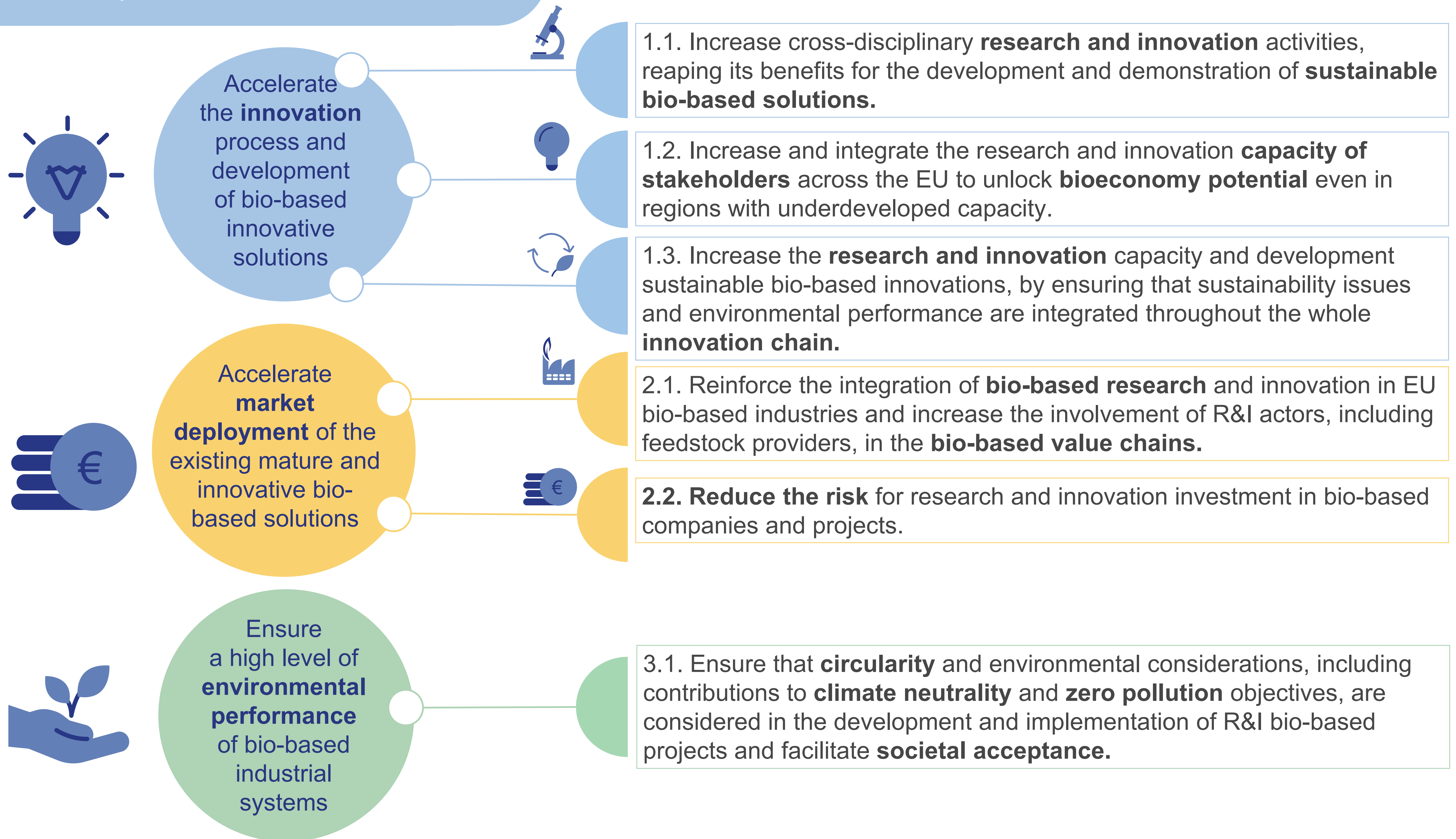
Specific Objectives and Strategic priorities

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CBE JU General and Specific Objectives



Links to the SRIA strategic priorities

SRIA Strategic priorities		CBE JU TOPICS AWP2023																		
		2023.IA-Flag01	2023.IA-Flag02	2023.IA-Flag03	2023.IA-Flag04	2023.IA-01	2023.IA-02	2023.IA-03	2023.IA-04	2023.IA-05	2023.IA-06	2023.IA-07	2023.R-01	2023.R-02	2023.R-03	2023.R-04	2023.R-05	2023.S-01	2023.S-02	
FEEDSTOCK		1.1.1 - Ensure the availability and quality of sustainable bio-based feedstock					X							X	X					X
		1.3.1 - Protect and enhance biodiversity and ecosystem services in bio-based feedstock supply systems												X	X					X
		2.1.1 - Demonstrate the sustainable supply of bio-based feedstock				X	X	X		X	X	X		X						
PROCESSING		1.1.2 - Develop innovative production systems in the bio-based industry					X									X	X			
		1.3.2 - Improve environmental performances of bio-based processes														X				
		2.1.2 - Deploy innovative production technologies	X	X	X	X	X	X	X	X	X	X	X							
PRODUCTS		1.1.3 - Develop innovative bio-based products															X	X		
		2.1.3 – Scale-up production and market uptake of innovative bio-based products	X	X	X	X		X			X	X	X						X	
CROSS-CUTTING	Communication	1.2.1 - Stimulate research activities in countries and regions with underdeveloped R&I capacity for bio-based systems																	X	X
		1.2.2 – Increase the awareness and capacity of national and regional research support agencies for industrial bio-based systems																		X
		1.2.3 - Facilitate the development of expertise in bio-based fields by improving higher education and skills development in the private sector																		
		2.1.4 - Build policy makers’ awareness and acceptance of bio-based solutions																		
		3.1.3 – Facilitate social acceptance of bio-based applications	X	X	X	X												X		
	Finance	2.2.1 – Improve the risk profile of bio-based projects																		
		2.2.2 - Develop investment tools and approaches that mitigate the investment risk in bio-based systems																	X	
	Environmental sustainability framework	3.1.1 - Set effective and robust environmental sustainability and circularity criteria for bio-based systems																		
		3.1.2 - Incorporate the environmental sustainability and circularity criteria in bio-based systems	X	X	X	X			X	X	X	X	X							X

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Expected Contribution to CBE KPIs

CBE KPIs: Objectives and Units of measurement		CBE JU AWP 2023 topics																	
		2023.IA-Flag01	2023.IAFlag-02	2023.IA-Flag03	2022.IAFlag-04	2023.IA-01	2023.IA-02	2023.IA-03	2023.IA-04	2023.IA-05	2023.IA-06	2023.IA-07	2023.R-01	2023.R-02	2023.R-03	2023.R-04	2023.R-05	2023.S-01	2023.S-01
1	Strategic participation and integration of feedstock producers and suppliers towards large-scale valorisation of sustainable biomass																		
1.1	N of primary producers, involved as project beneficiaries and/or engaged in value chains at project level				x	x							x	x					
1.2	N of bio- waste management actors, involved as project beneficiaries and/or engaged in value chains at project level					x	x			x									
2	Unlock sustainable and circular bio-based feedstock for the industry																		
2	N of innovative bio-based value chains created or enabled based on sustainably-sourced biomass				x	x	x	x		x	x		x	x					
3	Ensure environmental sustainability of feedstock																		
3.1	N of projects using feedstock generated with practices that contribute to enhance biodiversity						x			x	x	x		x					
3.2	N of projects using feedstock generated with practices aiming at zero-pollution (soil, water, air) and/or at reducing water consumption						x			x	x	x	x	x					
3.3	N of projects using feedstock generated with practices contributing to climate change mitigation and/or adaptation	x					x			x	x	x		x					
4	Improve environmental sustainability of bio-based production processes and value chains																		
4.1	N of projects with innovative & sustainable processes that contribute to GHG emission reduction					x		x			x					x			
4.2	N of projects developing innovative & sustainable processes that improve on resource efficiency and zero-waste	x	x		x	x		x	x		x					x			
4.3	N of projects developing innovative & sustainable processes enabling to address zero pollution				x	x	x	x		x	x					x			
4.4	N of projects with innovative & sustainable processes with improved energy efficiency	x	x			x		x			x					x			
4.5	N of products with improved life cycle environmental performance			x		x		x	x	x	x	x				x	x		
5	Expand circularity in bio-based value chains																		
5.1	N of innovative products that are biodegradable, compostable, recyclable, reused or upcycled (circular by design)			x					x			x				x	x		
5.2	N projects developing circular production practises (incl. industrial & industrial urban symbiosis)	x	x	x	x				x					x	x	x	x		
6	Increase innovative bio-based outputs and products																		
6.1	N of innovative bio-based dedicated outputs, with novel or significantly improved properties vs relevant alternatives							x		x		x				x	x		
6.2	N of innovative bio-based drop in outputs meeting applications requirements							x		x		x				x	x		
7	Improve the market uptake of bio-based products																		
7	N of brand owners involved as project partners and/or engaged with other mechanisms			x						x		x						x	
8	Attract investment on the bio-based sector																		
8	N of actions implemented at project level to attract investment and/or to create awareness in the investment/funding community																		
9	Increase resilience and capacity in the bio-based sector																		
9	N of projects contributing to develop the skills and capacity needed by the EU bio-based sector																	x	x
10	Improve participation of regions and countries with high unexploited potential and strategic interest to develop it																		
10.1	N of participants from the underrepresented EU countries and region		x		x	x												x	x
10.2	N of regional hubs established and operated to process bio-based feedstocks and other cooperation aspects		x			x													
10.3	N of projects with synergies with other funding programmes at EU, national or regional level												x					x	x

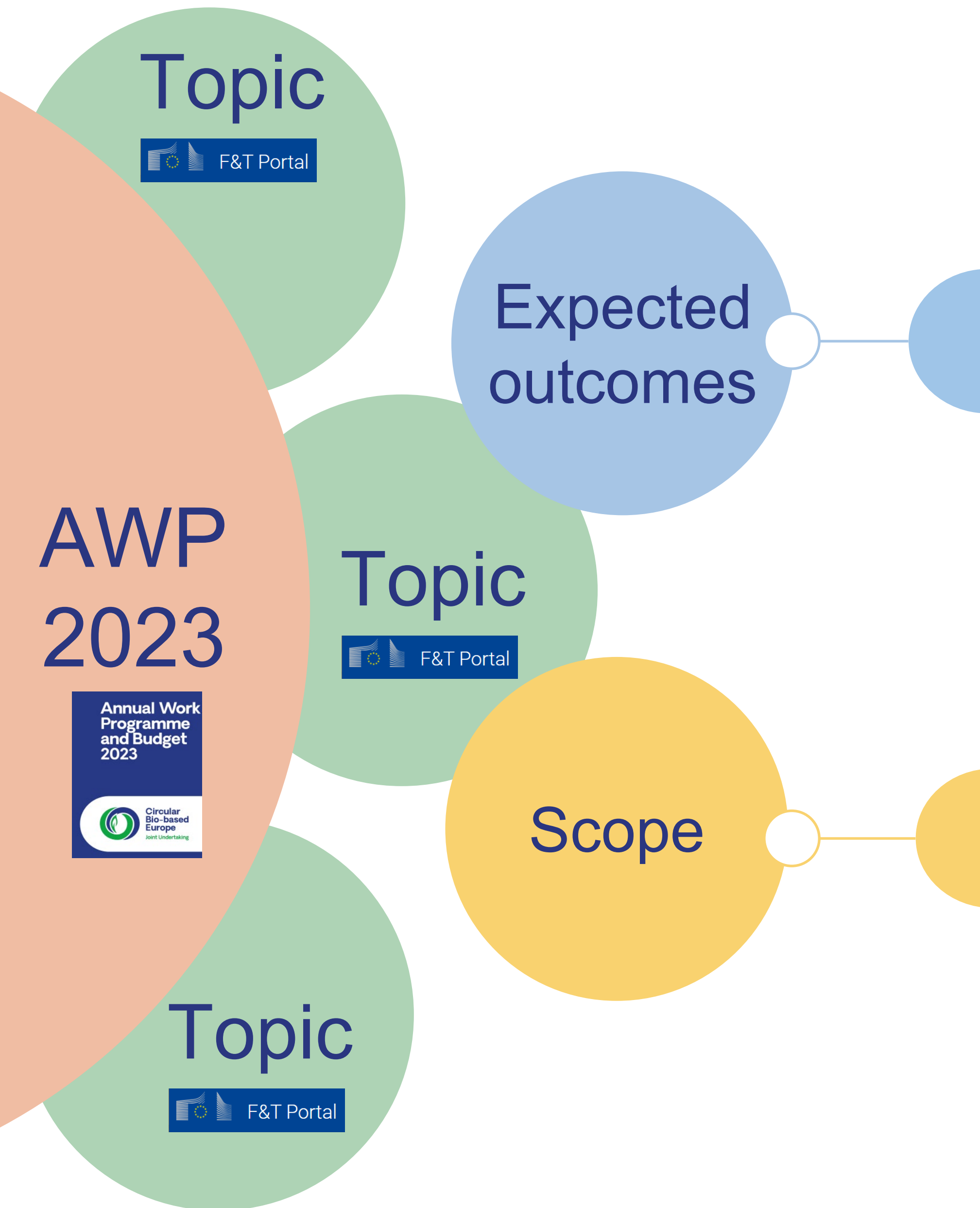
Topic structure

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Call topics



The 'change' to be achieved

- Provides a broad description of what is the **impact** to be achieved by the project.
- The **dissemination and exploitation** of future project results are vital for the impact.

The 'problem'

- Identifies the aspects of the **challenge** that needs to be tackled.
- Specifies a **perimeter** to the problem described.
- Does not specify the expected solutions to the problem, nor the approach to be taken.



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