

Priorities of the CBE JU Call 2024

Virginia PUZZOLO Head of Programme 23 April 2024





*** * * * * * * * *





Type of action		Topics HOR
	IAFlag-01	Bio-based value chains for valorisation of sustain
IA– Flagship	IAFlag-02	Bio-based dedicated platform chemicals via cost-e
riagomp	IAFlag-03	Bio-based value chains for valorisation of sustain
	IA-01	Bio-based materials and products for biodegradab
	IA-02	Sustainable microalgae as feedstock for innovativ
	IA-03	Enlarging the portfolio of commercially produced "S
IA	IA-04	Circular and SSbD bio-based construction & build
	IA-05	Selective and sustainable (co)-production of ligning
	IA-06	Innovative bio-based adhesives and binders for c
	IA-07	Innovative conversion of biogenic gaseous carbo
	R-01	Valorisation of polluted/contaminated wood from
	R-02	Biotech routes to obtain bio-based chemicals/ma
RIA	R-03	Sustainable, bio-based alternatives for crop protec
	R-04	SSbD bio-based coating materials for applications
	R-05	Innovative bio-based food/feed ingredients
	S-01	New forms of cooperation in agriculture and the
CSA	S-02	Mobilise inclusive participation in bio-based systems

S-03 Supporting the CBE JU Deployment Group on Pri

CBE JU Call 2024 : topics list

No competition between topics !

RIZON-JU-CBE-2024	Millio EUR
nable oil crops	20
effective, sustainable and resource-efficient conversion of biomass	20
nable natural fibre feedstock	20
ole in soil applications	15
ve, added-value applications	15
Safe and Sustainable by design" (SSbD) solvents	15
ding materials with functional properties	15
in-derived aromatics	15
circular products meeting market requirements	15
on into bio-based chemicals, ingredients, materials	15
m industrial and post-consumer waste streams	7
aterials replacing animal-derived ones	7
ction	10
s under demanding and/or extreme conditions	7
	7
forest-based sector	4
ns and supporting the CBE JU widening strategy and its action plan	3
imary Producers	3
Tota	al 213





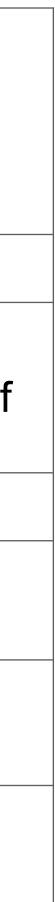
HORIZON-JU-CBE-2024-XX-NN Topic title

Type of action	Innovation Actions, includi
	Research and Innovation /
	Coordination and Support
Indicative budget	The total indicative budget
Expected EU contribution per project	It is estimated that a contri addressed appropriately. Na proposal requesting diffe
TRL	TRL XX at the end of the p
Link to CBE JU Specific Objectives	Strategic Objectives XX
Link to CBE JU SRIA Strategic Priorities	Strategic Priorities XX
CBE JU KPIs	KPIs

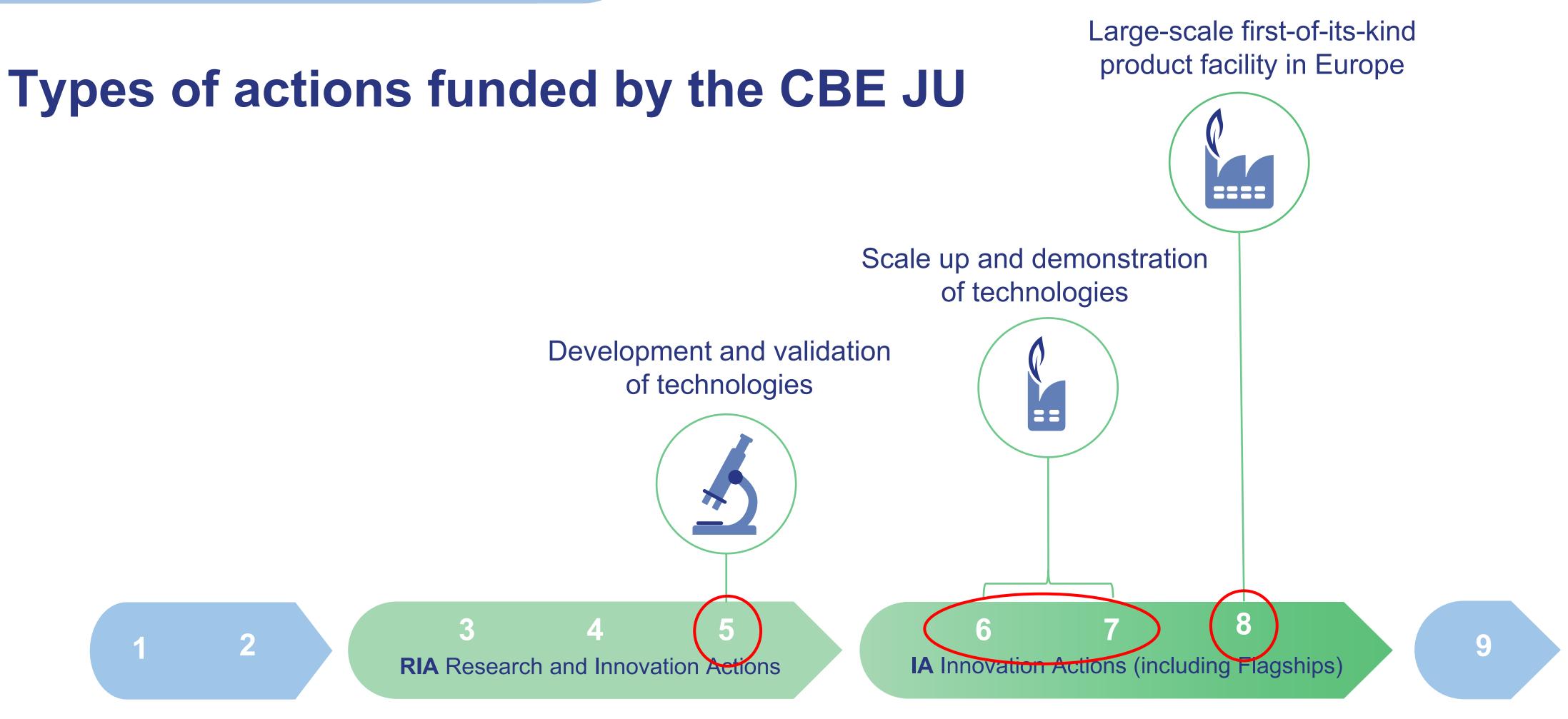
- Expected outcomes
- <u>Scope</u>

Type of actions & TRL

- ling Flagship
- Actions
- Actions
- et for the topic is EUR XX million
- ribution of EUR XX million would allow these outcomes to be Nonetheless, this does not preclude submission and selection of erent amounts
- project







Technology Readiness Level (TRL)

CSA: Coordination and Support Actions (no link with TRLs)



HORIZON-JU-CBE-2024-XX-NN Topic title 2 projects expected to be funded in IAs and RIAs topic

Type of action	Innovation Actions, includir
	Research and Innovation A
	Coordination and Support
Indicative budget	The total indicative budget
Expected EU contribution per project	It is estimated that a contril addressed appropriately. N a proposal requesting diffe
TRL	TRL XX at the end of the p
Link to CBE JU Specific Objectives	Strategic Objectives XX
Link to CBE JU SRIA Strategic Priorities	Strategic Priorities XX
CBE JU KPIs	KPIs

- Expected outcomes
- <u>Scope</u>

Topic budge

- ding Flagship
- n Actions
- ort Actions
- et for the topic is EUR XX million
- tribution of EUR <mark>XX</mark> million would allow these outcomes to be . Nonetheless, this does not preclude submission and selection c fferent amounts
- e project

et	
CS	!
of	



HORIZON-JU-CBE-2024-XX-NN Topic title

Type of action	Innovation Actions, includir
	Research and Innovation A
	Coordination and Support /
Indicative budget	The total indicative budget
Expected EU contribution per project	It is estimated that a contrib addressed appropriately. N a proposal requesting diffe
TRL	TRL XX at the end of the p
Link to CBE JU Specific Objectives	Strategic Objectives XX
Link to CBE JU SRIA Strategic Priorities	Strategic Priorities XX
CBE JU KPIs	KPIs

- Expected outcomes
- <u>Scope</u>

CBE JU strategic objectives and strategic priorities

- ing Flagship
- Actions
- Actions
- for the topic is EUR XX million
- ibution of EUR XX million would allow these outcomes to be Nonetheless, this does not preclude submission and selection of erent amounts
- project







*

€



Accelerate the **innovation** process and development of bio-based innovative solutions



Accelerate market deployment of the existing mature and innovative biobased solutions

Ensure a high level of environmental performance of bio-based industrial systems

2.2. Reduce the risk for research and innovation investment in bio-based companies and projects.

3.1. Ensure that **circularity** and environmental considerations, including contributions to climate neutrality and zero pollution objectives, are considered in the development and implementation of R&I bio-based projects and facilitate **societal acceptance**.

CBE JU general and specific objectives

1.1. Increase cross-disciplinary research and innovation activities, reaping its benefits for the development and demonstration of **sustainable** bio-based solutions.

1.2. Increase and integrate the research and innovation capacity of stakeholders across the EU to unlock bioeconomy potential even in regions with underdeveloped capacity.

1.3. Increase the **research and innovation** capacity and development sustainable bio-based innovations, by ensuring that sustainability issues and environmental performance are integrated throughout the whole innovation chain.

2.1. Reinforce the integration of **bio-based research** and innovation in EU bio-based industries and increase the involvement of R&I actors, including feedstock providers, in the **bio-based value chains**.





								CBE	JU T	ΟΡΙ	CS A\	NP2 0)24						
	CBE JU Specific Objectives	2024.IA-Flag01	2024.IA-Flag02	2024.IA-Flag03	2024.IA-01	2024.IA-02	2024.IA-03	2024.IA-04	2024.IA-05	2024.IA-06	2024.IA-07	2024.R-01	2024.R-02	2024.R-03	2024.R-04	×	2024.S-01	2024.S-02	2024.S-03
	1.1Increase cross-disciplinary research and innovation activities, reaping its benefits for the development and demonstration of sustainable bio-based solutions.	x		x									x	x	x	x	x	x	
1. Accelerate the innovation process and development of bio-based innovative solutions	112 - Increase and integrate the research and innovation canacity of stakeholders												x	x	x	x			
	1.3-Increase the research and innovation capacity and development sustainable bio-based innovations, by ensuring that sustainability issues and environmental performance are integrated throughout the whole innovation chain.												x	x	x	x			
2. Accelerate market deployment of the existing	2.1- Reinforce the integration of bio-based research and innovation in EU bio- based industries and increase the involvement of R&I actors, including feedstock providers, in the bio-based value chains.	x	x	x	x	x	x	Х	x	x	x	x		x			x	x	
mature and innovative biobased solutions	2.2- Reduce the risk for research and innovation investment in bio-based companies and projects.									х									
3. Ensure a high level of environmental performance of bio-based industrial systems	3.1- Ensure that circularity and environmental considerations, including contributions to climate neutrality and zero pollution objectives, are considered in the development and implementation of R&I bio- based projects and facilitate societal acceptance.	x	x	x	x	x	x	х	x	x	x	x					x		

Links to the CBE JU specific objectives







						CBE JU TOPICS AWP2024												
		SRIA Strategic priorities	2024.IA-Flag01	2024.IA-Flag02	2024.IA-Flag03 2024.IA-01	2024.IA-02	2024.IA-03	2024.IA-04 2024.IA-05	2024.IA-06	2024.IA-07 2024.R-01	2024.R-02	2024.R-03 2024.R-04	2024.R-05	2024.S-01 2024.S-02				
		1.1.1 - Ensure the availability and quality of sustainable bio-based feedstock	х		x									x				
	FEEDSTOCK	1.3.1 - Protect and enhance biodiversity and ecosystem services in bio-based feedstock supply systems	х		х							x		x				
		2.1.1 - Demonstrate the sustainable supply of bio-based feedstock	x	х	х	x	x	x		X				x				
		1.1.2 - Develop innovative production systems in the bio-based industry									x	x x	x					
PROCESSING	1.3.2 - Improve environmental performances of bio-based processes							x		x	x x	x						
		2.1.2 - Deploy innovative production technologies		х	x	x	x	x x	x	x x	<u> </u>							
	DRODUCTO	1.1.3 - Develop innovative bio-based products									x	x x	x					
	PRODUCTS	2.1.3 – Scale-up production and market uptake of innovative bio-based products		х	X	x	x	x x	x	x								
		1.2.1 - Stimulate research activities in countries and regions with underdeveloped R&I capacity for bio-based systems	х											x x				
		1.2.2 – Increase the awareness and capacity of national and regional research support agencies for industrial bio-based systems												x				
<u>o</u>	Communication	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												x				
S-CU		3.1.3 – Facilitate social acceptance of bio-based applications				x				X	x	x x						
O S O	Finance	2.2.1 – Improve the risk profile of bio-based projects																
CR	Finance	2.2.2 - Develop investment tools and approaches that mitigate the investment risk in bio-based systems																
	Environmental	3.1.1 - Set effective and robust environmental sustainability and circularity criteria for bio-based systems																
	sustainability framework	3.1.2 - Incorporate the environmental sustainability and circularity criteria in bio-based systems	х	х	x x	х	x	x x	X	x x				x				

Links to the SRIA strategic priorities



2024.5-01	2024.S-02	2024.S-03
Х		
Х		
Х		
Х	х	
	х	
	х	
Х		



HORIZON-JU-CBE-2024-XX-NN Topic title

Type of action	Innovation Actions, includir Research and Innovation A
	Coordination and Support
Indicative budget	The total indicative budget
Expected EU contribution per project	It is estimated that a contril addressed appropriately. N a proposal requesting diffe
TRL	TRL XX at the end of the p
Link to CBE JU Specific Objectives	Strategic Objectives XX
Link to CBE JU SRIA Strategic Priorities	Strategic Priorities XX
CBE JU KPIs	KPIs

- Expected outcomes
- <u>Scope</u>

CBE JU specific KPIs

- ing Flagship
- Actions
- Actions
- for the topic is EUR XX million
- ibution of EUR XX million would allow these outcomes to be Nonetheless, this does not preclude submission and selection of erent amounts
- project

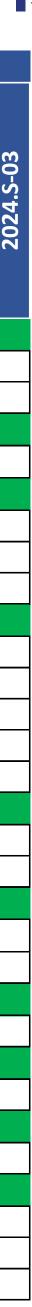






					С	BE JU	AW	P 202	4 top	pics			
CBE KPIs: Objectives and Units of measurement	2024.IA-Flag01	.IA-Fla	2024.IA-Flag03	2024.IA-02	2024.IA-03	2024.IA-04 2024.IA-05	2024.IA-06	2024.IA-07	2024.R-01	2024.R-02	2024.R-03 2024.R-04	2024.R-05 2024.S-01	2024.S-02 2024.S-03
1 Strategic participation and integration of feedstock producers and suppliers towards large-scale valorisation of sustainable b	ioma	SS											
1.1 N of primary producers, involved as project beneficiaries and/or engaged in value chains at project level	Х		ХХ	X							X	X	
1.2 N of bio- waste management actors, involved as project beneficiaries and/or engaged in value chains at project level													
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		Х		Х	Х	XX	X		Х	X	XX	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	XX						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	XX						X	
3.3 N of projects using feedstock generated with practices contributing to climate change mitigation and/or adaptation	X	X	X		Х	XX	,					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		Х				XX				XX	XX	X	
4.2 N of projects developing innovative & sustainable processes that improve on resource efficiency and zero-waste	X	X	X		X	XX	X	X	X	X		X	
4.3 N of projects developing innovative & sustainable processes enabling to address zero pollution		Х	×	(Х	XX	X			X	X	X	
4.4 N of projects with innovative & sustainable processes with improved energy efficiency		Х			X	XX	X		X				
4.5 N of products with improved life cycle environmental performance	X	X	X X	XX	X	XX	X			XX	XX	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	κ			X						
5.2 N projects developing circular production practises (incl. industrial & industrial urban symbiosis)									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		Х		κ	X	XX	X			XX	XX	X	
6.2 N of innovative bio-based drop in outputs meeting applications requirements		Х	X	κ	Х	XX							
7 Improve the market uptake of bio-based products													
7 N of brand owners involved as project partners and/or engaged with other mechanisms		Х	X	XX	Х	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													
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
10.2 N of regional hubs established and operated to process bio-based feedstocks and other cooperation aspects													
10.3 N of projects with synergies with other funding programmes at EU, national or regional level	Х		X										X

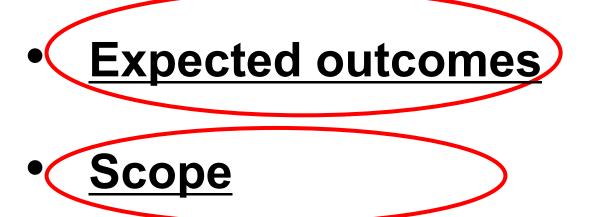
Expected contribution to CBE JU specific KPIs





HORIZON-JU-CBE-2024-XX-NN Topic title

Type of action	Innovation Actions, includir
	Research and Innovation A
	Coordination and Support
Indicative budget	The total indicative budget
Expected EU contribution per project	It is estimated that a contril addressed appropriately. N a proposal requesting diffe
TRL	TRL XX at the end of the p
Link to CBE JU Specific Objectives	Strategic Objectives XX
Link to CBE JU SRIA Strategic Priorities	Strategic Priorities XX
CBE JU KPIs	KPIs



CBE JU specific KPIs

- ing Flagship
- Actions
- Actions
- for the topic is EUR XX million
- ibution of EUR XX million would allow these outcomes to be Nonetheless, this does not preclude submission and selection of erent amounts
- oroject



Topic

F&T Portal

Expected

outcomes

Scope



AWP

2024

Topic

F&T Portal

Topic

F&T Portal



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

Call 2024 Topics: expected outcomes and scope

The 'change' to be achieved

The 'problem'

Specifies a **perimeter** to the problem described.







Circular Bio-based Europe Joint Undertaking

Contact us

info@cbe.europa.eu www.cbe.europa.eu

