

RELEVANCIA DE LA CIRCULARIDAD Y LA EFICIENCIA DE MATERIALES EN LAS CADENAS DE VALOR EN EUROPA

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EUROPEAN
CLUSTERS ALLIANCE

EUROPAKO KLUSTER ALIANTZA

AN EUROPEAN NETWORK OF NETWORKS

Connecting

- **22 national associations** of clusters and **vertical networks**
- representing more than **900 clusters** organisations
- **150,000** of our **most innovative businesses**

Having representatives in

- **EU Industrial Forum**
- **European Economic and Social Committee**
- **HERA - European Health Emergency Preparedness and Response Authority**
- **EU expert group for the Interregional Innovation Investments**
- **EU expert group on clusters...**

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EU INDUSTRIA FOROA



A FORA TO DISCUSS AND CO-CREATE THE EU INDUSTRIAL POLICY

Five task forces

1. Single Market **KPIs** and **Industrial Ecosystems**
2. Support the development of **Transition Pathways**
3. Support the analysis of **strategic dependencies**
4. Identify & advise on **cross-border & cross-ecosystem** investment needs & cooperation opportunities
5. Support the uptake of **advanced manufacturing** processes by EU Industry

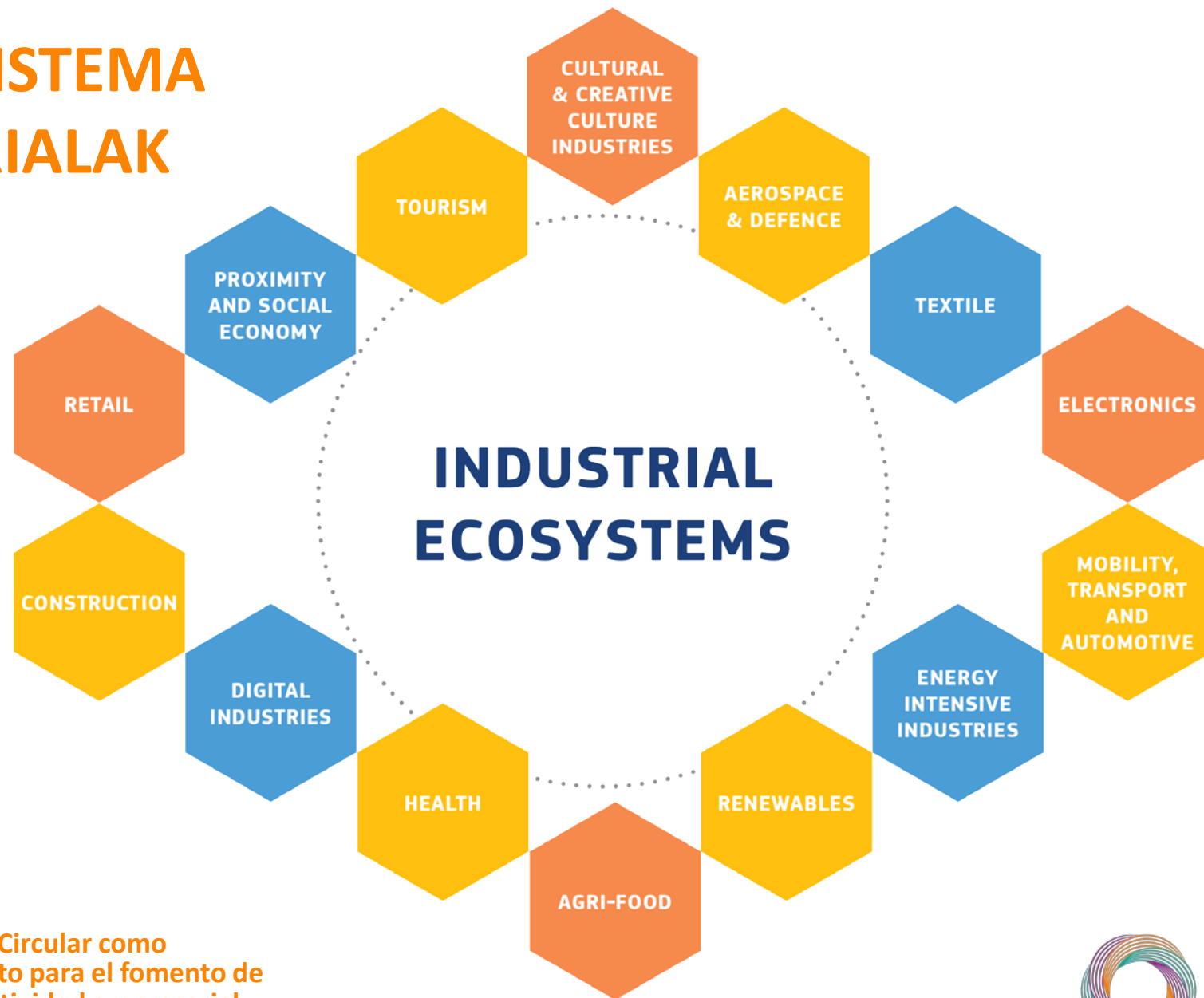


<https://webgate.ec.europa.eu/fpfis/wikis/display/industrialforum/Industrial+Forum>

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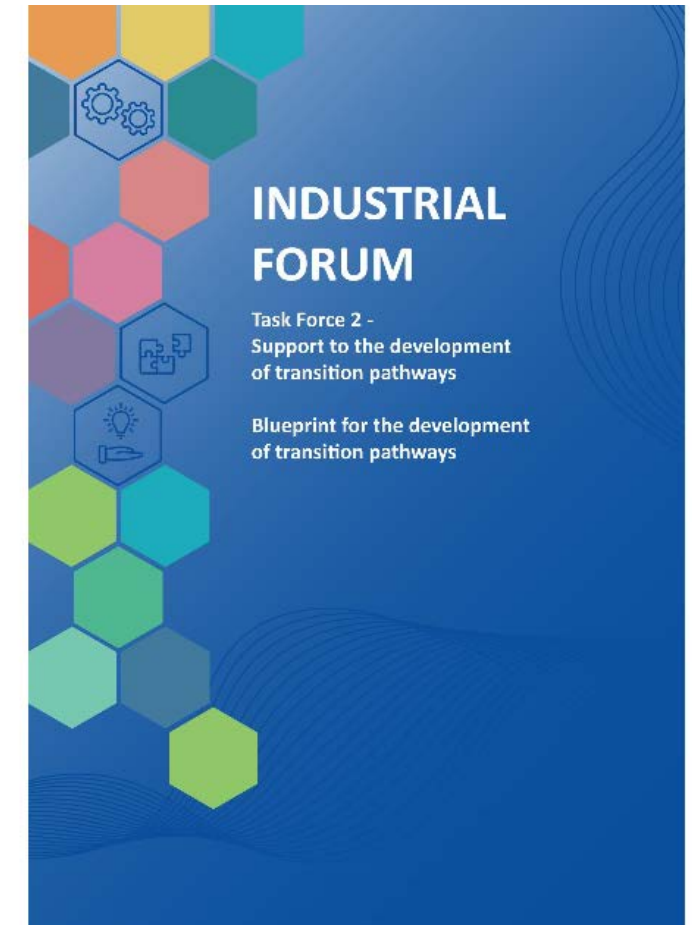
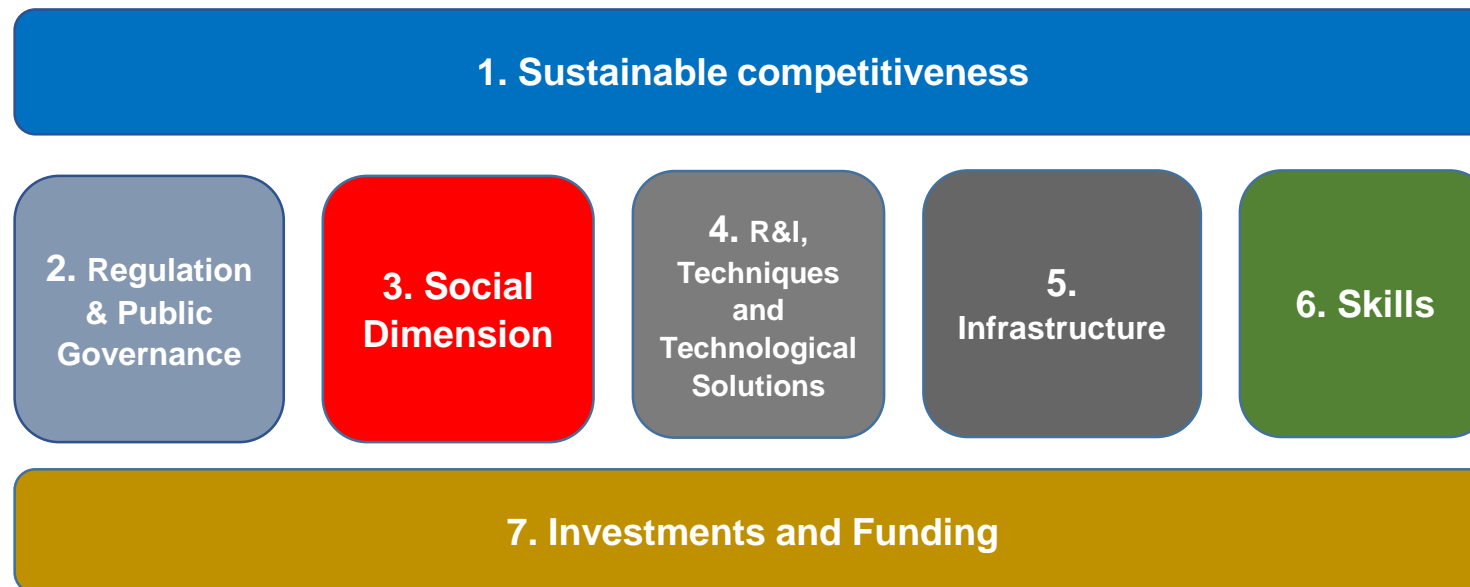


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Task Force 2: Support the development of Transition Pathways

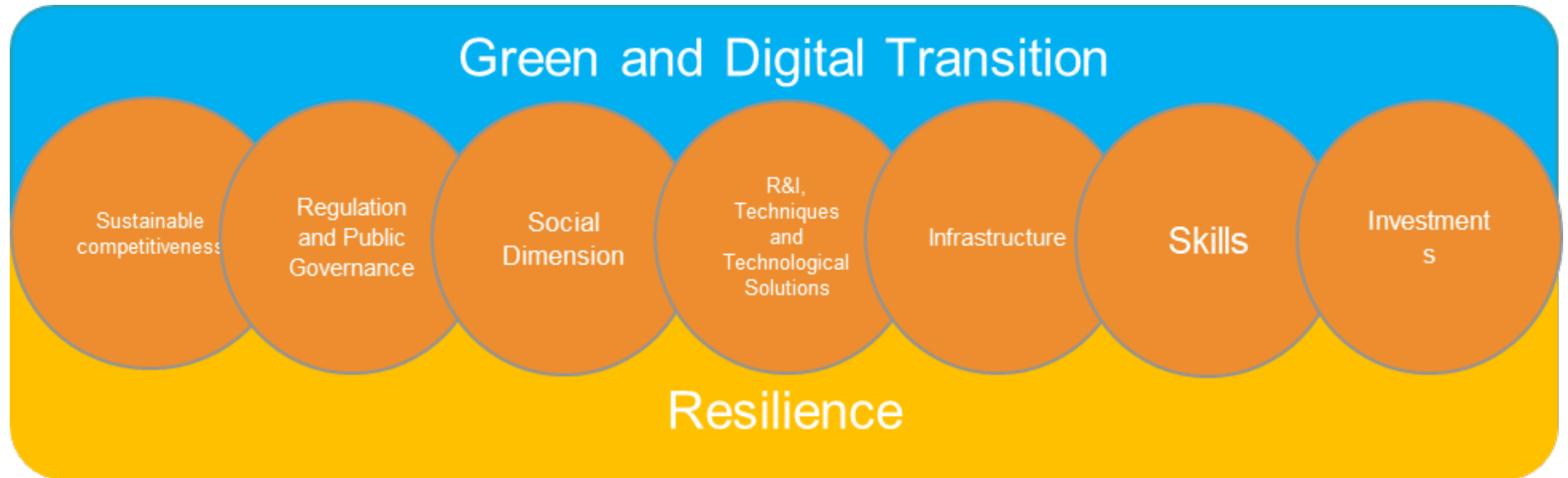
BUILDING BLOCKS



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Transition Pathways: horizontal dimensions

CIRCULAR ECONOMY AT EVERY BUILDING BLOCK



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An example: draft TP Chemicals - building blocks and topics

Building Blocks	Topics
1. Sustainable Competitiveness	Topic 1: International Competitiveness
	Topic 2: Reduction of unsustainable dependencies and supply chains vulnerabilities
	Topic 3: Safety and Sustainability
	Topic 4: Innovation and growth of SMEs
	Topic 5: New synergies
2. Investments and Funding	Topic 6: Fund for Green Investments
	Topic 7: Access to Funding
3. R&I, Techniques and Technological Solutions	Topic 8: Enhancing the conceptualization of new techniques and technical solutions (TRL 1 to 5)
	Topic 9: Developing new techniques and technological solutions (TRL 6 to 7)
	Topic 10: Deployment of new techniques and technological solutions (TRL 8 to 9)
4. Regulation and Public Governance (Legislation)	Topic 11: More effective and predictable regulation
	Topic 12: Vertically and horizontally coherent legislation
	Topic 13: Effective and efficient enforcement
5. Access to energy and feedstock	Topic 14: Anticipate long-term needs for Energy and Resource Supply
	Topic 15: Economically viable purchase of low-carbon energy
	Topic 16: Feedstock Substitution
	Topic 17: Process and resource efficiency
6. Infrastructure	Topic 18: Large-scale electricity and hydrogen infrastructure
	Topic 19: Development of new sustainable production facilities
	Topic 20: Sustainable transport of raw materials and chemical products
	Topic 21: Deployment of digital technologies
	Topic 22: Circularity: recycling and reuse infrastructure
7. Skills	Topic 23: Education (reskilling/upskilling the workforce)
	Topic 24: Sufficient supply of jobs at technical level
8. Social Dimension	Topic 25: Impact on workforce and consumers
	Topic 26: Improve gender diversity and equality in the sector

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An example: draft TP Chemicals – topics and actions

Topic 2: Reduction of unsustainable dependencies and supply chains vulnerabilities

Actions	Actors	Timeframe
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2.4 Increase resource efficiency

<ul style="list-style-type: none"> Promote the implementation of the cascading principle²¹ 	Industry	S/M
<ul style="list-style-type: none"> Apply "energy efficiency first" as a key principle and prevent losses of materials by increasing circularity (3R principle: reduce, reuse, recycle), without hampering the implementation of new low carbon processes (e.g., electrification, CCU, CCS, etc.) 	Industry	S/M
<ul style="list-style-type: none"> Support circular economy and include whole value chains with use of secondary (new) raw materials (incl. plastic waste, biobased, CO₂) to close loops, ensure resource efficiency and to reduce dependencies. 	Industry	S/M

3.3 Support product (re)design

<ul style="list-style-type: none"> Invest in harmonised sustainability assessment approaches across the industry including for circular materials, combined with lower human and environmental toxicity potential 	Industry	S
<ul style="list-style-type: none"> Adopt, implement and adequately enforce the Eco-design for Sustainable Products Regulation (ESPR), as part of the new Circular Economy Action (CEAP) 	EU/MS	S/M
<ul style="list-style-type: none"> Support the uptake of new business models (e.g., facilitate the chemical leasing concept within public tendering, engage and/or support projects on Digital Product Passport 	Industry	S/M

Topic 15: Economically viable purchase of low carbon energy

Actions	Actors	Timeframe
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15.1. Channel investments for low carbon energy

<ul style="list-style-type: none"> Adopt a Social Climate Fund to support small business in the transition (REPowerEU) 	EU/MS	S
Channel investments towards players committed to green transition becoming to become frontrunners using classification tools such as the EU Taxonomy (to delete) <i>(Linked to Topic 6.1)</i>	Industry and EU/MS	S/M
<ul style="list-style-type: none"> Reinforce the funding and de-risking measures (e.g., Contracts for Difference, robust investment protection policies) to support the deployment of green and smart technologies and the sourcing of clean energy (up-to demonstration plant and first-of-its-kind plant) – e.g., via the Innovation Fund 	EU/MS	M

15.2. Ensure competitive supply of low carbon energy

<ul style="list-style-type: none"> Develop a strategy for competitive supply of low carbon energy to the EU, taking into account geopolitical factors (REPowerEU); <i>(Linked to Topic 2.3 and Topic 14)</i> 	EU/MS	S
<ul style="list-style-type: none"> Reassess electricity markets rules with the aim to make electrification cost-competitive for energy-intensive industries 	EU/MS	S
<ul style="list-style-type: none"> Implement the EU Solar Strategy to double solar photovoltaic capacity 	EU/MS	S/M
<ul style="list-style-type: none"> Consider setting up 'go-to' areas for renewables with shortened and simplified permitting processes <i>(Linked to Topic 4.3, 6.3, 10.2, 11.2 and 14.2)</i> 	MS	S/M

15.3. Improve Power-Purchase Agreements

<ul style="list-style-type: none"> Publish guidance to Member States on Power Purchase Agreements (PPAs) 	EU/MS	S
<ul style="list-style-type: none"> Delete the market stability reserve in EU-ETS and release all allowances to the market in order to avoid unnecessary price pressure 	Industry and EU/MS	S
<ul style="list-style-type: none"> Establish EU certification and standards for feedstock (addressing energy and chemicals, including hydrogen) 	Industry and EU/MS	S



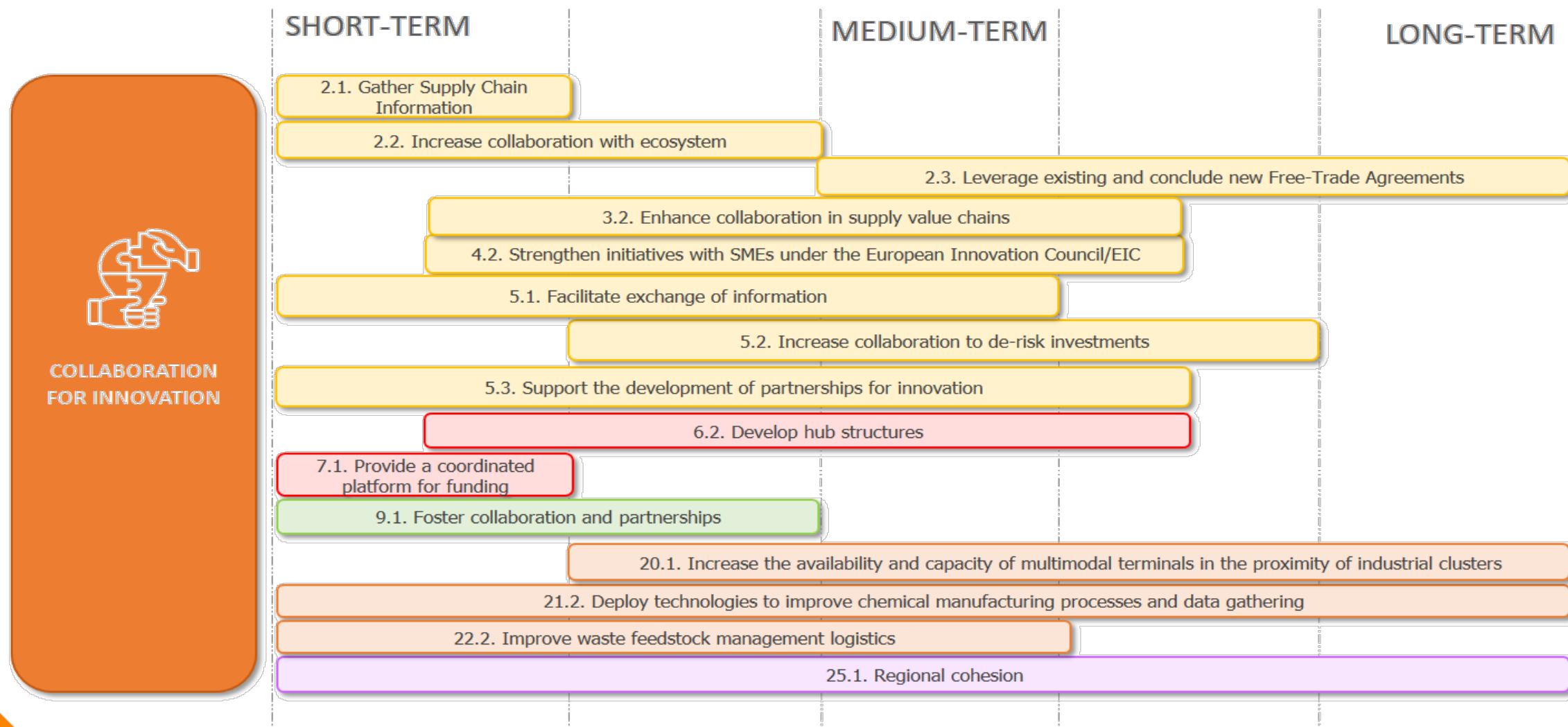
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An example: draft TP Chemicals – roadmaps



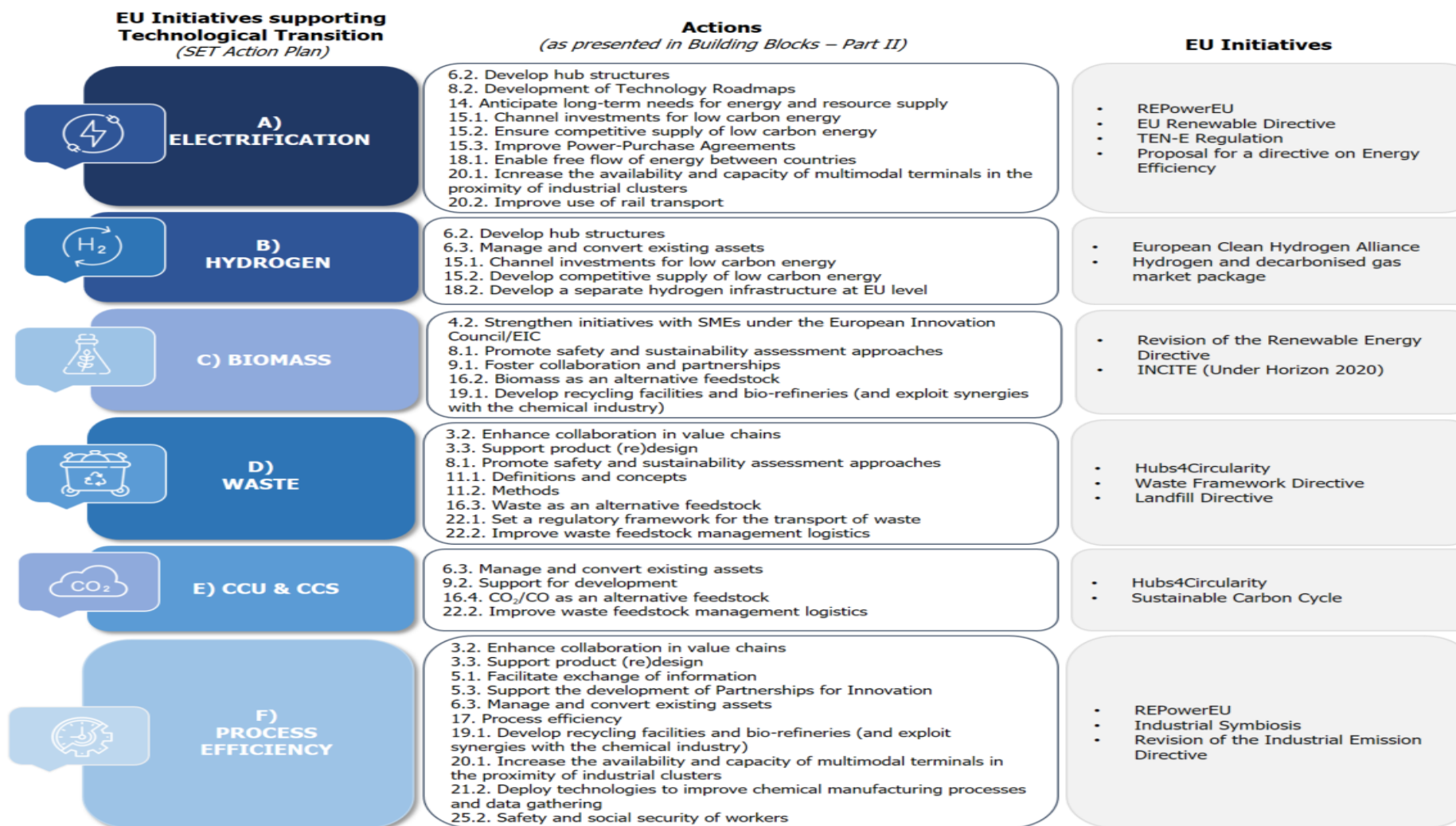
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An example: draft TP Chemicals – technological roadmaps



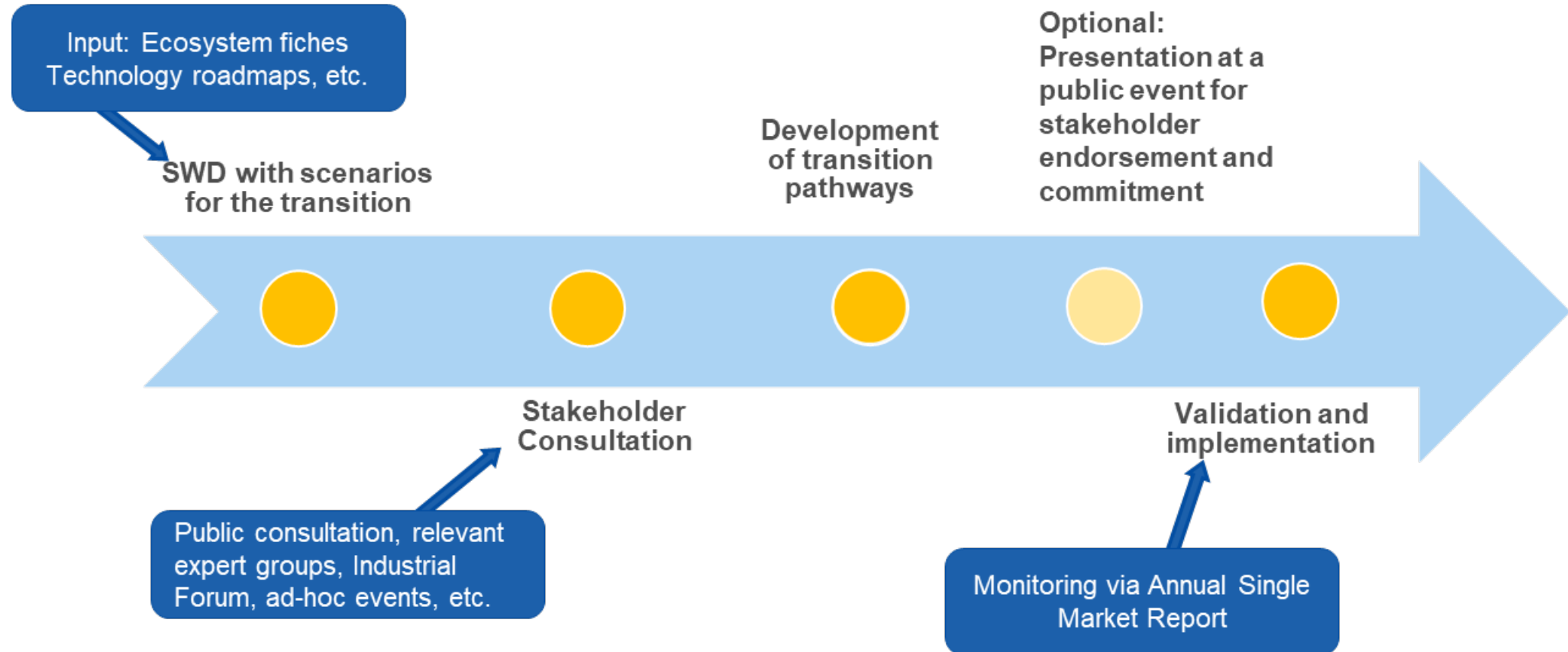
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Transition Pathways timeline



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Transition Pathways regata timeline: priority ecosystems

Ecosystem	Staff working document with scenarios	Public consultations	Transition pathway	Public event
Tourism	21 June 2021	Closed on 15 September 2021	4 February 2022 <small>EN ...</small>	EU Industry Days - 8 February 2022
Energy Intensive Industries	21 September 2021	Closed on 26 November 2021	Transition pathway covered by: Masterplan for a competitive transformation of EU energy-intensive industries <small>EN ...</small> (2019)	
Chemicals	n.a.	No formal public consultation	December 2022	12 December (tbc)
Mobility	24 January 2022	Closed on 29 April 2022	Q1 2023	-
Construction	14 December 2021	Closed on 28 February 2022	Q1 2023 <small>EN ...</small>	-

Source: https://single-market-economy.ec.europa.eu/industry/transition-pathways_en

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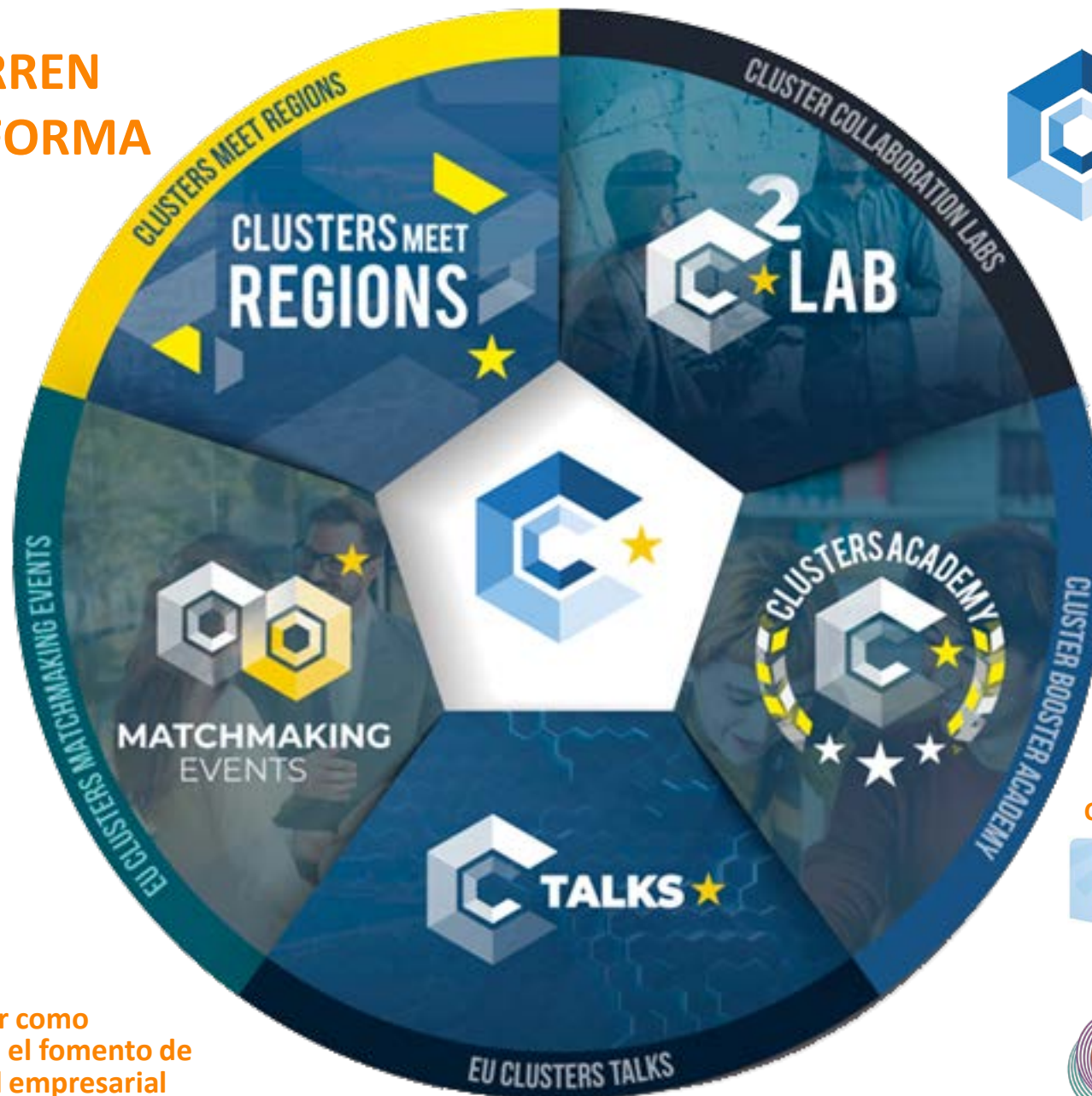


Transition Pathways regata timeline (2)

Ecosystem	Staff working document with scenarios	Public consultations	Transition pathway	Public event
Proximity and Social Economy	8 December 2021	Closed on 28 February 2022	14 November 2022 <small>{ EN ... }</small>	14 November 2022 <small>{ EN ... }</small>
Textiles	30 March 2022	Closed on 15 June 2022	Q1 2023 <small>{ EN ... }</small>	-
Retail	Q4 2022	Q4 2022	Q3 2023	-
Agri-food	Q4 2022	Q4 2022	Q3 2023	-
Aerospace and defence	Q4 2022	Q4 2022	Q3 2023	-
Renewables	Transition pathway covered by: REPowerEU <small>{ EN ... }</small> (2022)			
Health	Transition pathway covered by: HERA <small>{ EN ... }</small> (2020), the revision of the pharmaceutical legislation (2022), the IPCEI for health (2022) and the security of medicines supply under the pharmaceutical strategy for Europe <small>{ EN ... }</small> (2020)			
Creative and Cultural Industries	Transition pathway covered by: European media action plan <small>{ EN ... }</small> (2020)			
Digital	Transition pathway covered by: The digital decade compass and policy programme <small>{ EN ... }</small> (2021)			
Electronics	Transition pathway covered by: The EU Chips Act <small>{ EN ... }</small> (2022)			

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Collaborating with

European
Circular Economy
Stakeholder Platform



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GREEN AND CIRCULAR CLUSTERS



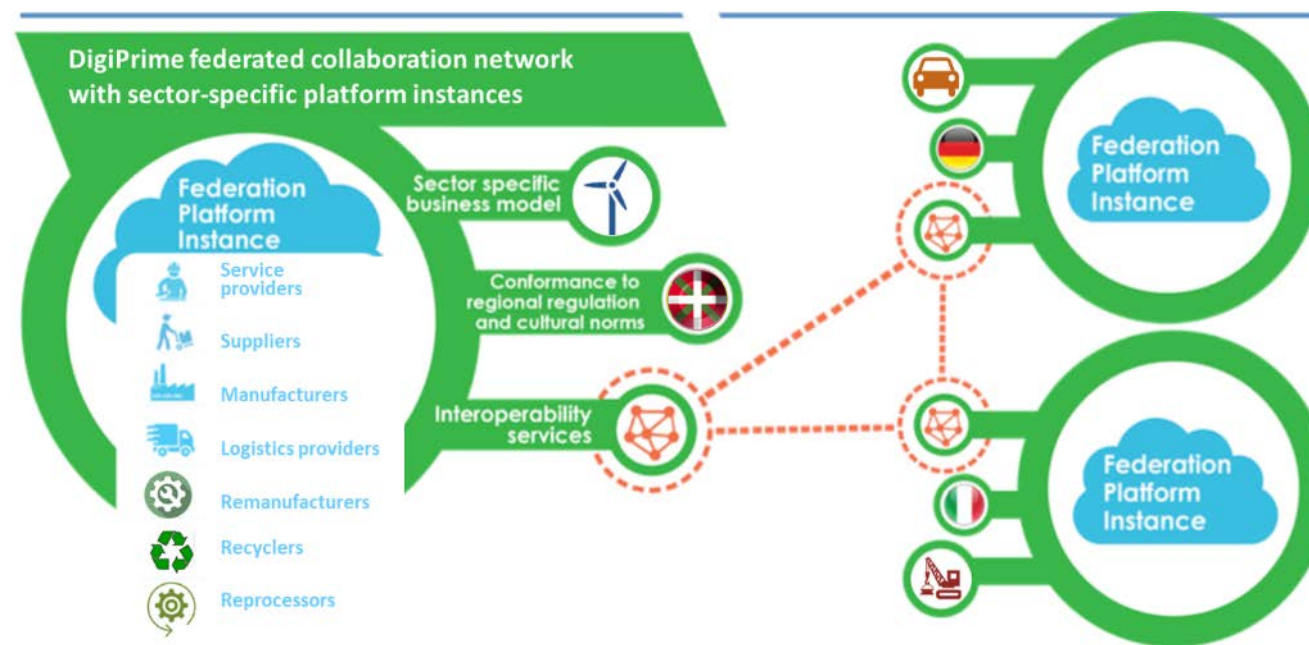
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Example of implementation for circular economy

DIGITAL PLATFORM FOR CIRCULAR ECONOMY IN CROSS-SECTORIAL SUSTAINABLE VALUE NETWORKS



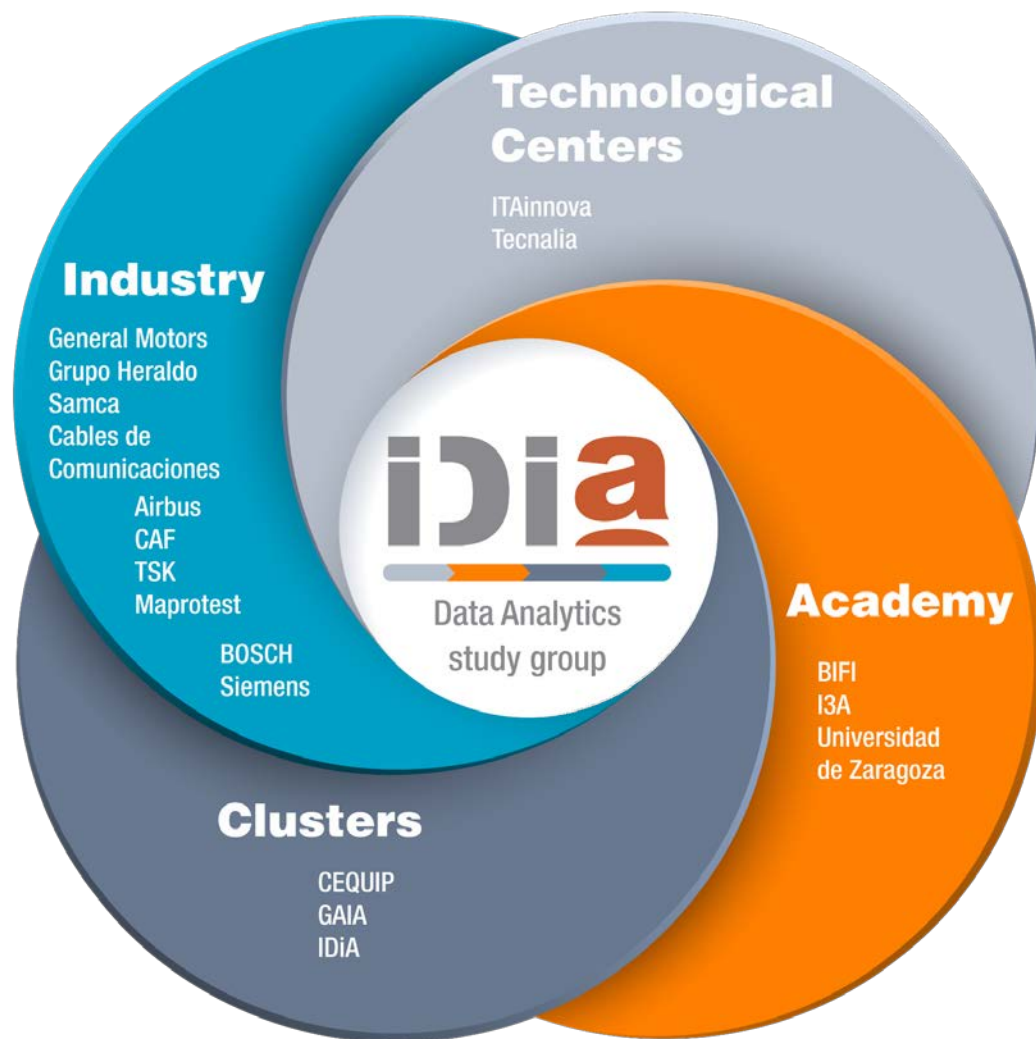
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Clusters, Artificial Intelligence and Circular Economy



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Clusters Helping Ukraine

Are you representing a hospital in Kyiv or a refugee reception centre on the western borders of Ukraine? If you are, please post your needs here so that forum users can respond to you. We know there are many other urgent humanitarian needs that must be met; these are just two examples. Use this...



Clusters Helping Ukraine

Can you provide material, technical humanitarian assistance or jobs to people or organisations impacted by the war in Ukraine? If you can, please post your offers of support here and connect with people who urgently need your help. NOTE: In order to submit a post, you must first Join This Group...



Clusters Helping Ukraine

Can you provide transport and/or logistics planning capability to transfer humanitarian assistance from EU Member States to the people of Ukraine, and to Ukrainian refugees in the border countries of the EU? Please use this forum to tell people how you can help. NOTE: In order to submit a post, you...

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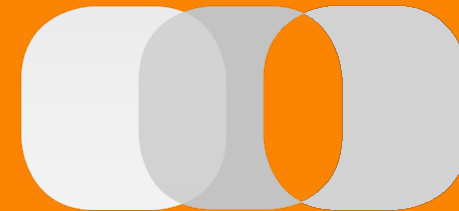


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