EUROPEAN CLUSTER COLLABORATION PLATFORM
EUCLUSTERS TALKS
An initiative of the European Union
Advancing the Transition:
Key Developments in the Chemical Industry
10 July 2024
08:30-09:45 CET
Online

Agenda

1. News from the European Cluster Collaboration Platform
   Nina Hoppmann, *Team Member European Cluster Collaboration Platform*
2. Transition Pathway for Chemical Industry
   Algreit Dume, *DG GROW, European Commission*
3. Panel discussion
   Athanasios G. Konstandopoulos, *Chief Scientific Advisor CHORUS Cluster, Professor of Chemical Engineering, Aristotle University*
   Malgorzata Woch, *European Projects and Collaboration Manager, AXELERA*
   Monika Bańka, *Network & Policy Coordinator European Chemical Regions Network*
   Susan Costello, *Network Director, Bio Pharma Chem Skillnet*
4. Funding opportunities
   Nina Hoppmann, *Team Member European Cluster Collaboration Platform*

Housekeeping rules

Jennifer Baker, presenter

- We will use **slido** to launch polls. Please scan the QR code to answer.
- Please use the **Zoom Q&A function to ask questions,** and the **chat function** to comment or share links.
- If you want to speak: Please **raise your hand** and we will give you the floor.
- Please note that the session is being **recorded** and that the recording will be **published** on the European Cluster Collaboration Platform.

NEWS FROM THE EUROPEAN CLUSTER COLLABORATION PLATFORM

EUCLUSTERS TALKS

EUROPEAN CLUSTER COLLABORATION PLATFORM

Drop-In Session: Interactive Q&A with ECCP experts

Today at 16:00, last drop-in session for the summer!

During these sessions, you can engage in a live chat with ECCP experts and ask any questions you have about ECCP:

- Profile Creation Assistance
- Profile Updates
- Becoming a Pro User
- Maximize your ECCP experience
- Accessing the Trend Universe
- Or anything that you are curious about!

Register before the event!

C2Lab: Join the workshop to set up your next project!

Join the virtual Info Session on 11 July, 11:00

The European Cluster Collaboration Platform, in collaboration with the French Association of Pôles de Compétitivité (AFPC), organises the next edition of the **Cluster Collaboration Labs in Strasbourg, France, on 25-26 September 2023**.

The C2Lab is a **workshop-style event** where you will have the opportunity to **meet new partners, discuss your project ideas, and initiate collaboration** – for example to apply together for a European call. You can either join with a concrete project proposal or offer your expertise and knowledge by joining others.

Apply for the next Cluster Booster Academy

The Academy will involve up to **50 participants** and will run for **5 days** in a hybrid format including an individual coaching session in between:

3 days of online training sessions:
6 November: from 10 AM to 2 PM CET
11 November: from 10 AM to 2 PM CET
15 November: from 10 AM to 2 PM CET
1 coaching session to be scheduled individually
2 days of in-person training sessions: 3-4 March 2025, hosted at the Warsaw University of Technology

1. Provide **learning opportunities for cluster managers** to further develop their skills
2. Meet the needs of European cluster management teams in their **daily work**
3. Offer cluster management teams the chance to **learn from each other's experiences**
4. Provide the opportunity to co-shape **new European value chains**
5. Support cluster management teams and stakeholders in understanding and **contributing to the European policies and programmes**
6. Help in **developing better policy related to clusters**
7. Improve the **skills of clusters' staff** thanks to a "train the trainers" approach by disseminating their knowledge further

Save the date for the upcoming Clusters meet Regions!

We invite you to join our “Clusters meet Regions” – transnational events that bring together **clusters and policymakers** at the local, regional, and national levels, with the aim of strengthening the industrial ecosystem in a selected host region.

The events facilitate the **implementation of good practices** where clusters play an active role in regional economies and are drivers for economic transition, and to create and promote **collaboration** between clusters and regional stakeholders for the industrial development of the regions.

Apply for EU-India Matchmaking

An EU delegation of clusters and SMEs will travel to Bengaluru, India, for a **matchmaking event** in the context of the **Bengaluru Tech Summit 2024** which will be held on **19-21 November 2024**.

The event will bring together cluster organisations and SMEs from the European Union (EU), non-EU countries participating in the Single Market Programme/COSME Strand, and India. It will provide participants an excellent chance to promote Cluster to Cluster (C2C), Cluster to Business (C2B), and Business to Business (B2B) collaborations.

Focus areas: Biotech, Digital, Green Tech, Advanced Manufacturing

Cut-off date is **16 July!**

Transition Pathway for Chemical Industry

Algreit Dume

DG GROW, European Commission

The Transition Pathway for the Chemical Industry

EU Clusters Talk:
Advancing the Transition: Key Developments in the Chemical Industry
Online , 10 July 2024

European Commission

The Transition Pathway for the Chemical Industry

- Publication: 27 January 2023
- It is an **actionable plan co-created** by the European Commission with EU countries, industry, NGOs and other stakeholders
- Based on **8 building blocks**

Sustainable competitiveness | Investment and funding | Research and Innovation | Regulation and Public Governance | Access to energy and feedstock | Infrastructure | Skills | Social dimension

- It identifies about **190 actions, grouped in 26 topics**, needed for the **twin transition and increased resilience** of the EU Chemical Industry

European Commission

The content: CHEMTP topics

Building Blocks	Topics
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
Investments and Funding	Topic 6: Fund for Green Investments
	Topic 7: Access to Funding
R&I, Techniques and Technological Solutions	Topic 8: Better conceptualisation 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)
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
Access to energy and feedstock	Topic 14: Anticipate long-term needs for Energy and Resource Supply
	Topic 15: Economically viable purchase of clean energy
	Topic 16: Feedstock Substitution
	Topic 17: Process and resource efficiency
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
Skills	Topic 23: Education (reskilling/upskilling the workforce)
	Topic 24: Sufficient supply of jobs at technical level
Social Dimension	Topic 25: Impact on workforce and consumers
	Topic 26: Improve gender diversity and equality in the sector

The content: Sustainable Competitiveness (example)

Why is sustainable competitiveness important?

- 4th largest manufacturing industry in Europe (€760 billions of sales in 2022)
- However, its global market share is declining and forecasted to decline
- Therefore, need to ensure industry's **continued competitiveness becoming more sustainable.**

Actions

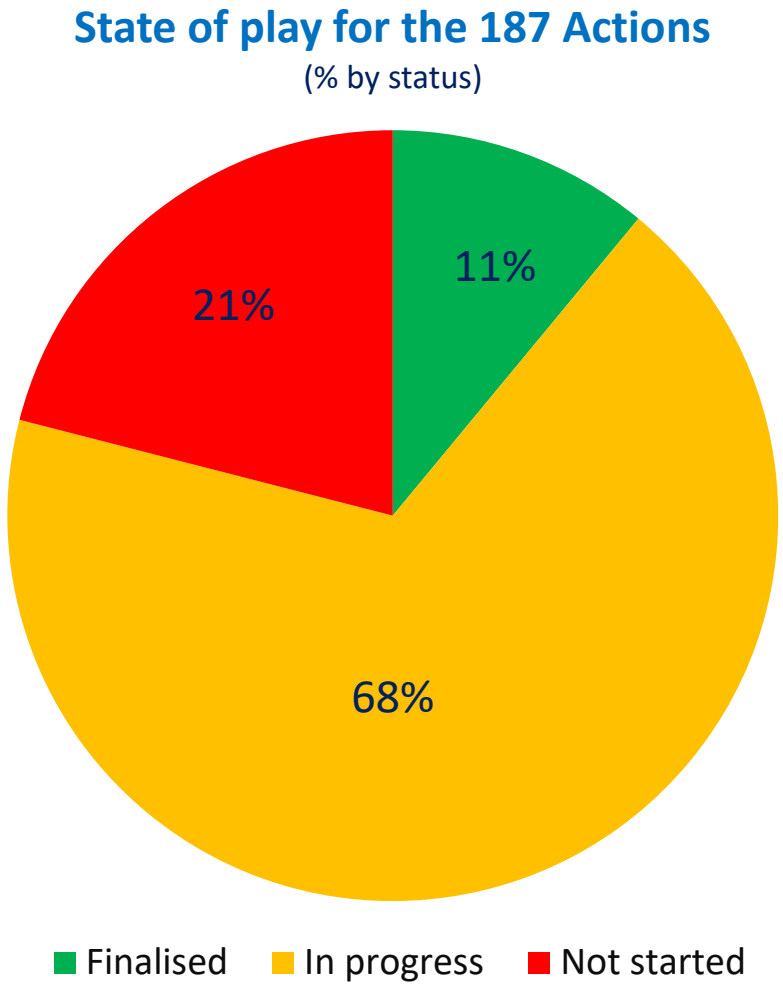
Topic 1: International Competitiveness		
Action	**Actor**	**Time**
KPIs and Sustainable Development Indicators	Industry/ EU/MS	S
Develop, commercialise and promote the uptake of SSbD substances	Industry/ EU/MS	S
Market pull and incentives for sustainable products	EU/MS	M

Topic 5: New Synergies		
Action	**Actor**	**Time**
Maintain the Euroclusters Initiative	EU/MS	S
Increase joint projects to de-risk investments	Industry	S
Support new data-driven business models based on Common European Data Space	Industry/ EU/MS	M

European Commission

Co-implementation of the Pathway: key elements

- **Continuous dialogue** with stakeholders to **inform policy making** and discuss **regulatory updates**
- **Dedicated Task Forces** on high priorities: energy and feedstock needs; **market creation for sustainable products**
- Call for **transition initiatives** to map relevant projects and investments
- Guide on **EU Funding Opportunities** published in Feb 24
- **Annual Progress Report** published in May 24

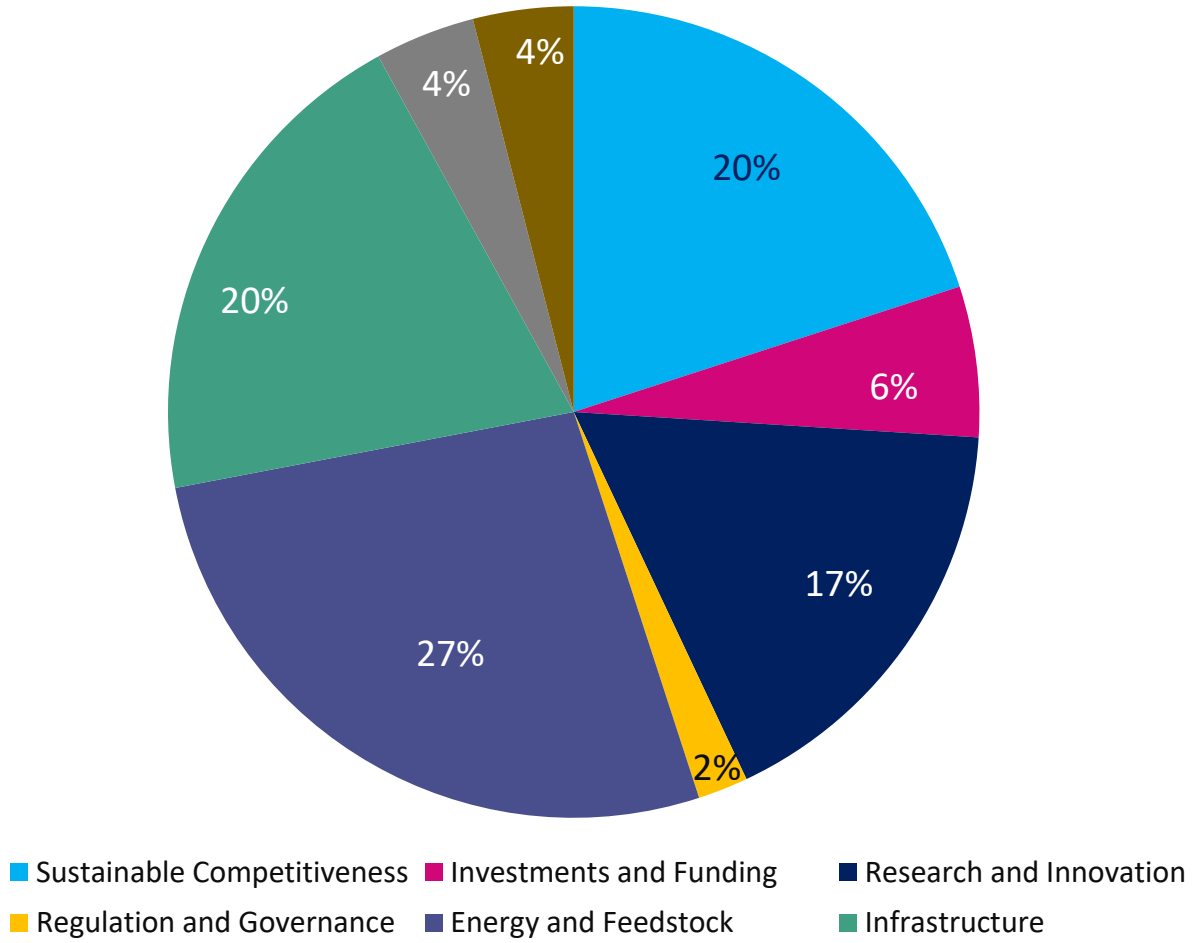


European Commission

Call for transition initiatives

- Transition initiatives are **concrete projects (e.g. in green tech)** linked to the objectives of the Pathway
- Launch in July 2023 and **open** on an ongoing basis
- **112 initiatives** published on COM's website
- **Large companies and trade associations** were the **largest contributors** (~50% and ~30% of the total respectively);
- **2/3** focus on alternative feedstocks, clean energy, digitalisation and chemical substitution.

% of submissions (by building block)



European Commission

Task forces: market pull measures for sustainable products

- **Measures** to promote the uptake of sustainable products from alternative feedstocks to fossil fuels – **biomass, CO2 and waste**
- Objective to **stimulate demand** from B2B, B2C, intermediate and final consumers

Suggestions from stakeholders:

Sustainable carbon targets, e.g. at raw materials level.

Labels to enhance transparency and reduce consumer confusion

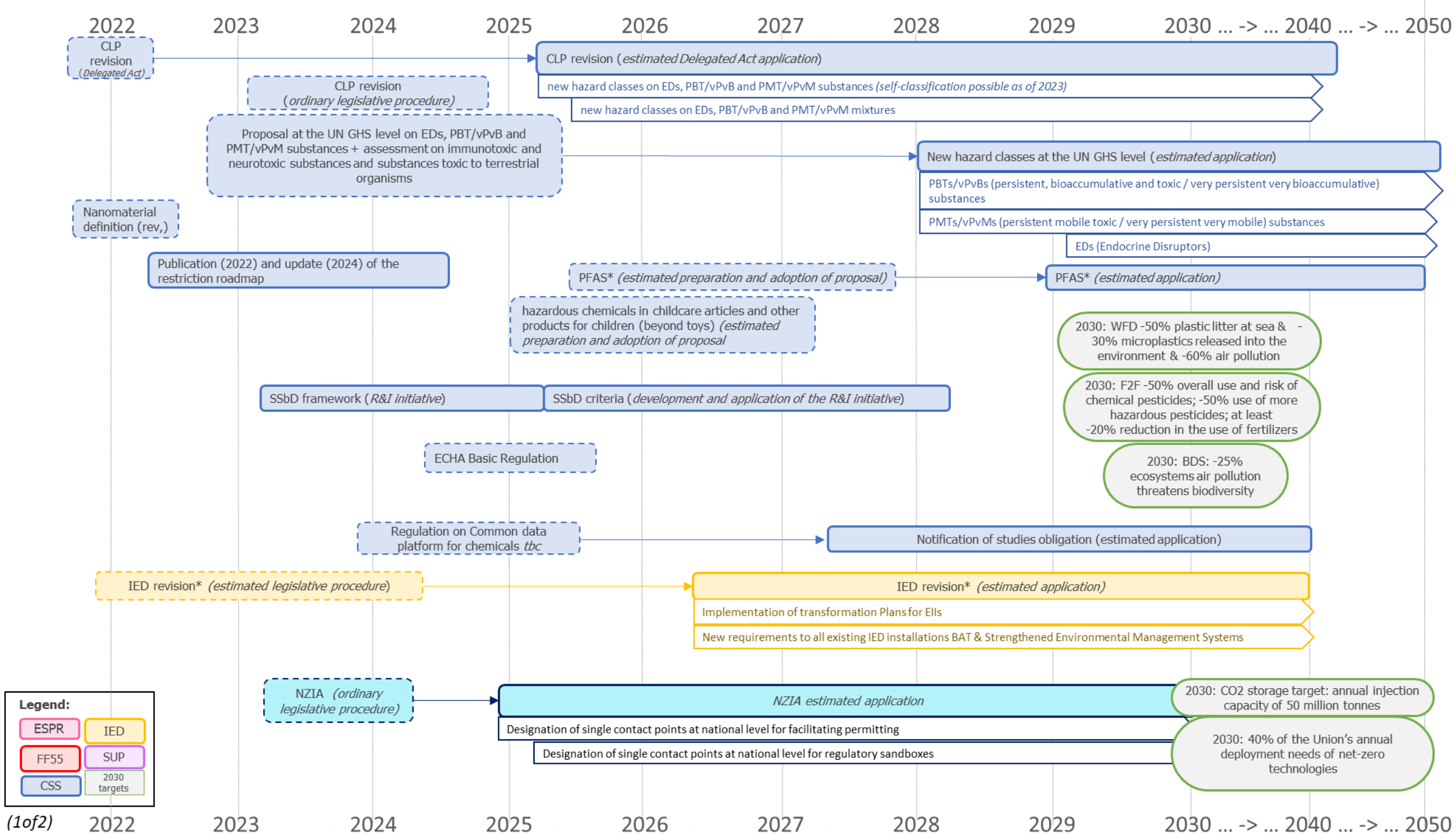
Green Public Procurement criteria for public authorities

Price incentives, for more affordable products

Sustainable Finance for ESG investments

European Commission

Note: the list of measures is purely indicative and summarises the suggestions from stakeholders during the co-implementation of the Transition Pathway for the Chemical Industry


2022
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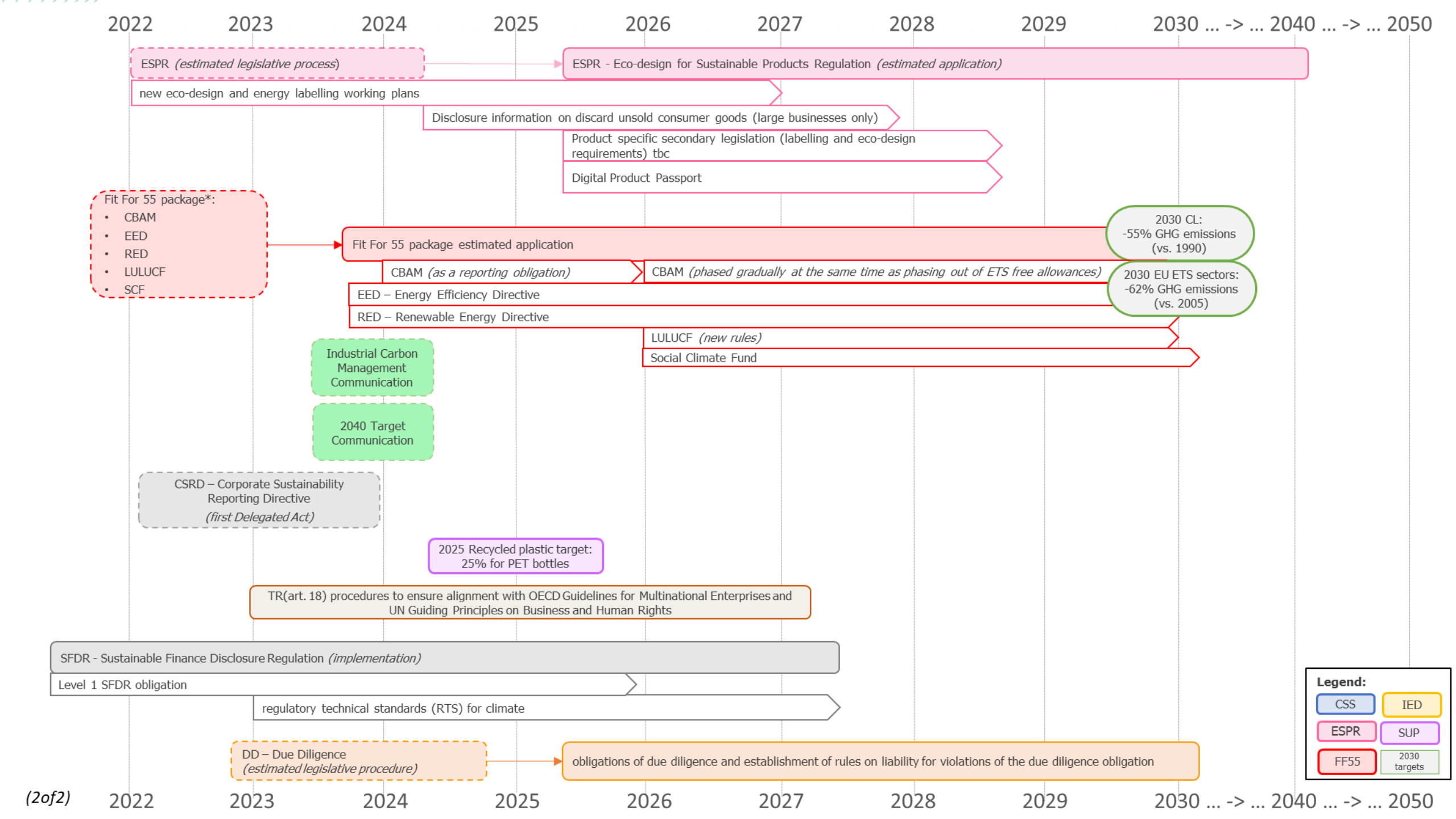
2030 ... -> ... 2040 ... -> ... 2050
CLP revision (Delegated Act)
CLP revision (estimated Delegated Act application)
new hazard classes on EDs, PBT/vPvB and PMT/vPvM substances (self-classification possible as of 2023)
new hazard classes on EDs, PBT/vPvB and PMT/vPvM mixtures
CLP revision (ordinary legislative procedure)
Proposal at the UN GHS level on EDs, PBT/vPvB and PMT/vPvM substances + assessment on immunotoxic and neurotoxic substances and substances toxic to terrestrial organisms
New hazard classes at the UN GHS level (estimated application)
PBTs/vPvBs (persistent, bioaccumulative and toxic / very persistent very bioaccumulative) substances
PMTs/vPvMs (persistent mobile toxic / very persistent very mobile) substances
EDs (Endocrine Disruptors)
Nanomaterial definition (rev,)
Publication (2022) and update (2024) of the restriction roadmap
PFAS* (estimated preparation and adoption of proposal)
PFAS* (estimated application)
hazardous chemicals in childcare articles and other products for children (beyond toys) (estimated preparation and adoption of proposal
2030: WFD -50% plastic litter at sea & -30% microplastics released into the environment & -60% air pollution
SSbD framework (R&I initiative)
SSbD criteria (development and application of the R&I initiative)
2030: F2F -50% overall use and risk of chemical pesticides; -50% use of more hazardous pesticides; at least -20% reduction in the use of fertilizers
ECHA Basic Regulation
2030: BDS: -25% ecosystems air pollution threatens biodiversity
Regulation on Common data platform for chemicals tbc
Notification of studies obligation (estimated application)
IED revision* (estimated legislative procedure)
IED revision* (estimated application)
Implementation of transformation Plans for EIIs
New requirements to all existing IED installations BAT & Strengthened Environmental Management Systems
NZIA (ordinary legislative procedure)
NZIA estimated application
2030: CO2 storage target: annual injection capacity of 50 million tonnes
Designation of single contact points at national level for facilitating permitting
Designation of single contact points at national level for regulatory sandboxes
2030: 40% of the Union's annual deployment needs of net-zero technologies
Legend:
ESPR
IED
FF55
SUP
CSS
2030 targets
(1of2)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2030 ... -> ... 2040 ... -> ... 2050
ESPR (estimated legislative process)
ESPR - Eco-design for Sustainable Products Regulation (estimated application)
new eco-design and energy labelling working plans
Disclosure information on discard unsold consumer goods (large businesses only)
Product specific secondary legislation (labelling and eco-design requirements) tbc
Digital Product Passport
Fit For 55 package*:
CBAM
EED
RED
LULUCF
SCF
Fit For 55 package estimated application
2030 CL: -55% GHG emissions (vs. 1990)
CBAM (as a reporting obligation)
CBAM (phased gradually at the same time as phasing out of ETS free allowances)
2030 EU ETS sectors: -62% GHG emissions (vs. 2005)
EED – Energy Efficiency Directive
RED – Renewable Energy Directive
LULUCF (new rules)
Social Climate Fund
Industrial Carbon Management Communication
2040 Target Communication
CSRD – Corporate Sustainability Reporting Directive
(first Delegated Act)
2025 Recycled plastic target: 25% for PET bottles
TR(art. 18) procedures to ensure alignment with OECD Guidelines for Multinational Enterprises and UN Guiding Principles on Business and Human Rights
SFDR - Sustainable Finance Disclosure Regulation (implementation)
Level 1 SFDR obligation
regulatory technical standards (RTS) for climate
DD – Due Diligence
(estimated legislative procedure)
obligations of due diligence and establishment of rules on liability for violations of the due diligence obligation
Legend:
CSS
IED
ESPR
SUP
FF55
2030 targets
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2030 ... -> ... 2040 ... -> ... 2050

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Guidance on Funding

Published in Feb 2024

OBJECTIVE

IMPROVING COMMUNICATION ON FUNDING OPPORTUNITIES

HOW

Mapping those **funding programmes** whose objectives and main interventions areas reflect the actions on the Pathway

Identifying for each programme the relevant **calls** for projects contributing to the green and digital transition

Showcasing **who** can apply, key **deadlines**, descriptions and **budgets** for each call.

Updated version of the Guidance is expected by the end of 2024

European Commission

ontent included in the Guidance on Funding is based on the best available information as of the time of writing

Main programmes for the twin transition of the EU Chemical industry

Budget € 724 (billion) — **Recovery and Resilience facility (RRF)**

Budget € 348 (billion) — **Regional Development and Cohesion Funds**

Budget € 40 (billion) — **The Innovation Fund**

Budget € 19 (billion) — **Just Transition Fund**

Budget € 7.6 (billion) — **The Digital Europe Programme**

Budget € 87 (billion) — **The Social Climate Fund**

Budget € 95 (billion) — **Horizon Europe**

Budget € 4.2 (billion) — **The Single Market Programme**

Budget € 26 (billion) — **Erasmus +**

Budget € 26 (billion) — **InvestEU**

Budget € 5.4 (billion) — **LIFE**

European Commission

Transition Pathways Stakeholders Support Platform

A One-Stop-Shop for stakeholders

*Online indicatively by the end of 2024/beginning 2025

European Commission

Key messages

The active involvement of industry, organisations and MS is the key to achieve the twin transition and increase the resilience of the EU Chemical Industry.

Call for transition initiatives - Are you on the pathway towards the green and digital transition? Please tell us! The call is open on the European Commission's Website.

We take stock of the information collected through the call and during the co-implementation to **inform policy making** including **COM's next Work Programme.**

European Commission

More information:

GROW-CHEMTP@EC.EUROPA.EU

THANK YOU!

European Commission

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Join at slido.com
#Chemicals

ⓘ Start presenting to display the joining instructions on this slide.

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In which area/sector of the chemical industry do you operate?

ⓘ Start presenting to display the poll results on this slide.

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Which is the most critical challenge faced by the EU chemical industry?

ⓘ Start presenting to display the poll results on this slide.

Panel debate

Athanasios G. Konstandopoulos, Chief Scientific Advisor CHORUS Cluster, Professor of Chemical Engineering, Aristotle University

Malgorzata Woch, European Projects and Collaboration Manager, AXELERA

Monika Bańka, Network & Policy Coordinator, European Chemical Regions Network

Susan Costello, Network Director, Bio Pharma Chem Skillnet

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Please download and install the Slido app on all computers you use

How can clusters support the transition of the chemical industry?

ⓘ Start presenting to display the poll results on this slide.

FUNDING OPPORTUNITIES

Biotech routes to obtain bio-based chemicals/materials replacing animal-derived ones

- Projects are expected to contribute to the following outcome:
  - Novel, scalable and more sustainable **biotech production routes** for bio-based and non-animal-derived chemicals and/or materials replacing animal-derived ones.
  - **Performance(s)** of bio-based chemicals and/or materials meeting end users' requirements for final products.
  - **Availability** of safe and sustainable by design bio-based products.
  - **Positive socio-economic impacts** along the value chain, from feedstock suppliers to chemicals and materials producers to end users.
  - **Social acceptance** of circular bio-based solutions and products
- Topic ID: HORIZON-JU-CBE-2024-RIA-02; HORIZON Action Grant Budget-Based
- Deadline: 18 September 2024
- Published on EU Funding & Tenders Portal

Circular Economy, resources from Waste, Air, Water, Soil, Noise, Chemicals, Bauhaus

- The aim is to **facilitate the transition** toward a sustainable, circular, toxic-free, energy-efficient/climate-resilient economy and toward a toxic-free environment as well as to protect, restore and improve the quality of the environment.
- Projects should aim at:
  - develop, demonstrate and promote **innovative** techniques, methods and approaches
  - contribute to **the knowledge base** and to the **application of best practice**
  - support the development, implementation, monitoring and enforcement of the **EU legislation and policy**
  - catalyse the **large-scale deployment of successful technical and policy related solutions** for implementing the EU legislation and policy by replicating results, integrating related objectives into other policies and into public and private sector practices, mobilising investment and improving access to finance
- Topic ID: LIFE-2024-SAP-ENV-ENVIRONMENT; LIFE Action Grant Budget-Based
- Deadline: 19 September 2024
- Published on [EU Funding & Tenders Portal]

Experimentation and exchange of good practices for value creation

- Projects are expected to contribute to the following outcome:
  - **Value creation and transfer to the economy and society** by increased interlinkages and cooperation between knowledge valorisation actors (academia/research; industry/SMEs; public administration/policy-makers and society/citizens);
  - **New solutions to societal and economic challenges** by stronger uptake and deployment of research results, including through the involvement of citizens and civil society;
  - **Improvements of structures, strategies, practices and skills for knowledge valorisation** through sustainable reforms and new initiatives in line with the ERA Policy Agenda action 7 – Upgrade EU guidance for a better knowledge valorisation
- Topic ID: HORIZON-WIDERA-2024-ERA-02-01; HORIZON Action Grant Budget-Based
- Deadline: 25 September 2024
- Published on EU Funding & Tenders Portal

Opportunities for SMEs: Calls from Euroclusters

- CircInWater: Knowledge lump sum for SMEs offering **water-smart solutions**, especially for the agrifood & energy-intensive industries and that is willing to boost its development **internationalisation** activities towards **North America**; deadline 22 July 2024
- ELBE: **Training** support for SMEs in renewable energy sector on sustainability and digitalisation, sustainable business and ESG reporting; deadline 31 August 2024
- ELBE: Call for financial support for **individual services** related to access to test facilities, international development, market and business intelligence, development and technology transfer, or green and IT expertise; deadline 31 August 2024
- EuroBoosTex: Call for proposals to support European **textile** SMEs in **internationalisation** in Australia; deadline 17 July 2024
- E-Boost: Financial support for **training support** to SMEs from the **electromobility** sector; deadline 31 July 2024
- FRIEND CCI: Call for **providers** offering solutions in **digitalisation, greening, and internationalisation** to collaborate with **Creative and Cultural** SMEs for the realization of funded projects; deadline 1 August 2025
- GEMSTONE: Financial support for **training** related to **Green Manufacturing**; deadline 31 December 2024
- INGENIOUS: **Internationalisation** grant for SMEs operating in **energy-intensive industries** to develop activities related to Africa, Asia, North America and Latin America; deadline 30 September 2024

Opportunities for SMEs: Calls from Euroclusters

- INGENIOUS: **Training** grants to help SMEs improve their digital skills, green transition, resilience preparedness and reskilling and upskilling of the workforce; deadline 14 February 2025
- LEVIATAD: Supporting the **innovation and internationalisation** of European SMEs in the **defence** sector; deadline 8 August 2024
- METASTARS: Prizes for 3 SMEs in the **Aerospace and Defence** sector which have made the best efforts to become more resilient and to adapt to the challenges of the green and digital transition; deadline 23 August 2024
- RESIST: **Training** FSTP for SMEs in the **Automotive – Mobility – Transport** ecosystem; deadline 30 November 2024
- RESIST: **Networking and marketing** FSTP for SMEs from the **Automotive – Mobility – Transport** ecosystem; deadline 20 December 2024
- RESIST: **Internationalisation** FSTP for activities in target markets; deadline 20 December 2024
- RESIST: **Coaching and mentoring** for assessment and feasibility services; deadline 1 November 2024
- **All calls here: https://clustercollaboration.eu/open-calls**

Save the date for the next Talks

After a summer break, we will return on 4 September!

Continue the discussion

https://www.linkedin.com/groups/9503062/

Visit the ECCP website and follow us on social media

www.clustercollaboration.eu

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European Cluster Collaboration Platform

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