Industrial Alliances
Joint action for a green and digital Europe

25 October 2023
08:30-09:45 CET

Online

#SingleMarket30
Agenda

1. News from the European Cluster Collaboration Platform
   Nina Hoppmann, Team Member, European Cluster Collaboration Platform

2. Introduction to the Industrial Alliances
   Szilvia Szekely, DG GROW, European Commission

3. European Alliance for Industrial Data, Edge and Cloud
   Aleksandra Częścik, DG CNECT, European Commission

4. European Battery Alliance
   Matilda Axelson, DG GROW, European Commission

5. Alliance for Zero-Emission Aviation
   Jean-Pierre Lentz, DG DEFIS, European Commission

6. Renewable and Low-Carbon Fuels Value Chain Industrial Alliance
   Michal Kubicki, DG MOVE, European Commission

7. Circular Plastics Alliance
   Laure Baillargeon, DG GROW, European Commission

8. Q&A

9. Funding opportunities
   Nina Hoppmann, Team Member, European Cluster Collaboration Platform
Housekeeping rules

• 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
Public consultation: Reporting requirements for businesses and Member States to reduce administrative burden

The Commission is seeking feedback, ideas and input from EU businesses and Member States on which reporting requirements originating from EU legislation are considered as the most burdensome in terms of the time it takes to fulfil them, the costs associated with them and the overall difficulty in meeting the requirements.

The Commission is also looking for your suggestions for rationalisation, modernisation or optimisation.

Contribute to the consultation until end of November via the Make a suggestion: Portal.

More information on the consultation process can be found here: Have your say: Simplify!
Ukraine Green Recovery Conference

The European Commission will host a four-day conference in Vilnius, Lithuania, on the Green Recovery in Ukraine from 28 November – 1 December 2023. The Conference aims to offer all key stakeholders a holistic approach to the green recovery and reconstruction of Ukraine.

The conference is split in 2 segments:

**Policy segment, 28-29 November**
Focus on policymakers and civil society, setting out the overall challenges and addressing the main policy support measures to the green reconstruction of Ukraine

**Business segment, 30 November – 1 December**
Circular Economy Conference and business matchmaking, sinew angle to introduce specific, applicable solutions, discuss systemic barriers to the deployment of a more circular and greener economy, and connect companies from the EU and Ukraine
Join Clusters meet Regions!

The objective of the ‘Clusters meet Regions’ events is to 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 collaborations between clusters and regional stakeholders for the industrial development of the regions.

All event will also have matchmaking sessions!

- Düsseldorf, Germany – 8-9 November 2023; registration open
- Iaşi, Romania – 21-23 November 2023; registration open
- Kraków, Poland – 11-12 December 2023
Feedback survey for ECCP users

Please share your opinion!

We are constantly looking for ways to improve our ECCP activities to best suit the needs of our community. As such, we kindly ask for your feedback on some key features and its utility.

https://ec.europa.eu/eusurvey/runner/ECCP_users
Introduction to the Industrial Alliances

Szilvia Szekely
DG GROW, European Commission
EU industrial alliances – overview


<table>
<thead>
<tr>
<th>Name</th>
<th>Status</th>
<th>Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>European Battery Alliance (EBA)</td>
<td>Launched in 2017</td>
<td>Over 700 industrial and innovation actors</td>
</tr>
<tr>
<td>Circular Plastics Alliance (CPA)</td>
<td>Launched in 2018</td>
<td>• 310+ signatories&lt;br&gt;• Proposed pathway to reach the 10 million tonnes target</td>
</tr>
<tr>
<td>European Raw Materials Alliance (ERMA)</td>
<td>Launched in 2020</td>
<td>Over 1,500 individuals from around 600 organisations and 50 different countries</td>
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<tr>
<td>European Clean Hydrogen Alliance (ECH2A)</td>
<td>Launched in 2020</td>
<td>1343 industry stakeholders (SME, mid-cap company, large company, business association, financial institution, association), 117 research institutions, 87 regional/ national authorities, 28 civil society organisations/ trade unions, and 91 members classed as “other” (typically port authorities, standards bodies, or other industry bodies). The Alliance also includes 117 members from the EEA/EFTA and the Eastern Neighbourhood.</td>
</tr>
<tr>
<td>Alliance on Processors and Semiconductor Technologies – <em>Not yet active</em></td>
<td>Launched in 2021</td>
<td>Over 100 membership applications have been received so far</td>
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<tr>
<td>Alliance for Industrial Data, Edge and Cloud</td>
<td>Launched in 2021</td>
<td>52 industry stakeholders (including Edge and Cloud providers, solutions integrators and Security and Defence solutions providers) and 27 Member State public authorities</td>
</tr>
<tr>
<td>Renewable and Low Carbon Fuels Value Chain Alliance</td>
<td>Launched in 2022</td>
<td>223 members admitted as of 15/09/2022 (businesses, NGOs, Member States)</td>
</tr>
<tr>
<td>Alliance on Zero Emission Aviation</td>
<td>Launched in 2022</td>
<td>Around 150 members from across the whole ecosystem, with over 120 headquartered in the EU, the rest outside</td>
</tr>
<tr>
<td>EU Solar PV Industry Alliance</td>
<td>Launched end of 2022</td>
<td>Around 100 member organisations, including private enterprises across the whole solar PV value chain, research and technology organisations, trade associations as well as regional and local authorities</td>
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European Alliance for Industrial Data, Edge and Cloud

Aleksandra Częśćik
DG CNECT, European Commission
European Alliance for Industrial Data, Edge and Cloud

Presentation for the European Clusters

Aleksandra Częśćik, Cloud & Software, DG CNECT
Alliance’s Objectives and Tasks

- A stakeholder platform to strengthen the **EU’s industrial position** in next generation cloud and edge infrastructure and services to serve the needs of processing (highly) **sensitive data**
- Meeting the **Digital Decade targets by 2030** (10 000 climate neutral and highly secure edge nodes across the EU, 75% of EU businesses using cloud solutions)
- 53 industrial members and 27 Member States
The main task of the Industrial Alliance will be to bring together a wide range of stakeholders that are prepared to work together and advance towards achieving the key objective to strengthen EU’s position on the next generation of cloud and edge technologies.

The Alliance will complement other forms of research, commercial and policy cooperation, consultation and exchange in the field, among different constellations of actors.
Alliance’s structure

Cloud and edge

Aeronautics, security and defence

Member States Cloud Cooperation Group (MSCCG)

Alliance Forum
European Alliance for Industrial Data, Edge and Cloud

53 Members as of 23/10/2023

3DS Outsclae  Ericsson  Nokia
Abilian  Fabasoft  OpenNebula
Airbus  Fraunhofer ISST  Orange
Amadeus IT Group  Fredenheim Green AI Cloud  OVHcloud
Arsys Internet  German Edge Cloud  ReLOG3P
Arthur’s Legal, Strategies and Systems  GIGAS  Reply spa
Aruba  Global Digital Management Solutions  Retelit
Atos  Indra  SAP
Bit4id  IONOS  Scaleway
Capgemini  IRIDEOS  SecureAppbox
Clever Cloud  Jotne  Seetalabs
CloudFerro  KPN  Siemens
Dassault Aviation  Leaseweb  Sopra Steria
Dassault Systèmes  LEET Security  SWD Dormagen
DATA4  LEONARDO  Telefónica
Deutsche Telekom  LINAGORA  Tietoevry
Docaposte  Luxembourg House of Cybersecurity  TIM

TNO

European Commission
If interested:

- EU-CLOUD-ALLIANCE@ec.europa.eu
Thank you
Matilda AXELSON
Policy Officer
Green and Circular Economy unit (GROW-I3)
Directorate-General for Internal Market,
Industry, Entrepreneurship and SMEs

EU Clusters Talk on Industrial Alliances, 25 October, 8:30 – 9:45
Aiming to establish a complete, competitive and sustainable battery value chain in the EU, with spillover effects over upstream and downstream industries.

Bringing together Member States, Industry, Commission services, Investors and Innovation actors.

- **Research and Innovation** – €270 million awarded for 40 projects under Horizon 2020, and €925 million supporting a Battery Partnership under Horizon Europe.

- **Skills** – launch of an Erasmus+ Blueprint Skills Programme for Batteries, ALBATTs. The EBA Battery Academy delivering training through local professional trainers.

- **Important Project of Common European Interest (IPCEI)** – Two battery IPCEIs launched 2019 and 2021, together involving nearly 60 companies from 12 Member States, underpinned by EUR 6.1 billion in State aid and EUR 14 billion in private sector investment.
European Battery Alliance

Overview of the current European battery ecosystem

**EU and Member States providing the supportive framework**
- EU = Strategic Action Plan on Batteries
- EU = Sustainable Batteries Regulation
- Other legislative & funding initiatives at EU and national level

**The industrial workstream of the Battery Alliance led by EIT Innoenergy**
- Open and inclusive platform for the entire battery ecosystem
- Policy insight
- Accelerating battery projects

**Horizon Europe R&I programmes**
- BATTERIES EUROPE EUROPEAN TECHNOLOGY AND INNOVATION PLATFORM
  - Batteries R&I strategies and short to medium term technology roadmaps
  - Coordination of battery initiatives
  - Drive forward SET-Plan action on batteries

- **Capture a new market worth 250B€/year in 2025**
- A competitive and sustainable European battery value chain!

**Selection of EU and National R&I Networks and initiatives**
- BATTERY 2030+
  - A network of research institutions and industry
  - Long-term technology roadmap
  - Coordination of European R&I projects implementing the roadmap

**European Commission**
Selection of ongoing and planned lithium battery cell factories in Europe

Source: EBA250 Observatory monitoring of public announcements on Li-ion cell production capacity
Alliance for Zero-Emission Aviation

Jean-Pierre Lent
DG DEFIS, European Commission
Short presentation

Cluster Talks - 25 October 2023
AZEA was launched in June 2022 as an open platform gathering private and public stakeholders to prepare the aviation ecosystem for the entry into service of electric and hydrogen aircraft to deliver environmental, societal and industrial benefits:

- Support the EU aeronautics industry who invests in developing zero-emission aircraft and maintain a competitive and sustainable aviation sector
- Support EU climate objectives by contributing to
  - the decarbonisation of intra-EU flights
  - the emergence of a new sustainable regional air mobility offer

*Note:* Alliances are forum of technical nature aiming, in particular, at identifying barriers and promoting investments. They are not a consultation or a lobbying body.
The aviation ecosystem is not ready for commercial exploitation of electric and hydrogen aircraft

Many barriers exist

Addressing them requires bringing together many different stakeholders, including beyond aviation, in a coordinated way

Results of a public survey conducted by the European Commission in 2021
AZEA has an open membership

Open to all actors willing to work together to prepare the market for commercial operations of electric and hydrogen aircraft

Limited number of eligibility criteria (as per ToR):

1) Be a legal entity
2) Commit to the objectives of the Alliance by signing the Declaration
3) Have activities relevant to the objectives of the Alliance
   ➢ Provide a description of your (potential) involvement in operations of electric and hydrogen aircraft
4) Abide by the rules set in the Terms of Reference
5) No conflict of interests with the objectives of the Alliance
**AZEA core tasks**

**Analyze**
- Identify all **barriers and gaps** (including policy and regulatory needs)
- Define **requirements** for the entry-into-service of electric and hydrogen aircraft (energy, infrastructure, etc.)
- Identify the **actions** required to overcome barriers
- Identify **investments** needs

**Connect**
- Promote **investment** projects and connect them to financing partners
- Foster **partnerships** and maximize **synergies** across the ecosystem and beyond
- Create the necessary **momentum** amongst stakeholders
- Outreach and International partnerships

**Recommend**
- Establish and follow up of a **Roadmap**:
  - Based on a **roll-out scenario** for zero-emission aircraft
  - Defining **priorities** and **milestones**
  - Providing clear objectives and **actionable recommendations** to support all **investments** required and address barriers identified (legislation, standardisation, operations, skills, etc.)
  - Serving as a **reference** to support the coordinated actions required by the different actors involved
Next steps

Establish a ‘Vision’ that
- represents the **ambition** of the sector in terms of deployment of these aircraft at airports across Europe and the related energy and infrastructure requirements
- is widely shared within the ecosystem
- helps create a momentum to guide the different actions required by each stakeholders
- and enables the Alliance to derive the actions to undertake and the recommendations to issue in order to make the Vision a reality.

Establish a Rodmap that
- Defines, based on the Vision, the **actions** necessary to remove the obstacles identified and issue **recommendations**
- Enables the **monitoring** of the progress made in the different areas identified.

Identify actions that can be implemented by AZEA
- Financing, reach out to MS, etc
Thank you

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Renewable and Low-Carbon Fuels Value Chain
Industrial Alliance

Michal Kubicki
DG MOVE, European Commission
Renewable and Low-Carbon Fuels Value Chain Alliance

Michał Kubicki
DG MOVE
Evolution of drop-in fuels demand in road, aviation, waterborne by 2050

**CTP MIX scenario**
RLCF Alliance At Glance

Objectives

- Tackling the lack of availability and affordability of renewable and low-carbon drop-in fuels for aviation and waterborne transport
- Rapidly boost production, storage and distribution capacity of these fuels without compromising access of other transport sectors
- Support implementing mandatory blending quotas in FuelEU maritime and RefuelEU Aviation

Tools

- 4 Roundtables
- Workstreams
- Workshops
- Databases of projects
- Matchmaking

Members

- 233 Members
- Continuous call for members
- Open to any company/stakeholder regardless of location
- EU transparency register

Deliverables

- Funding Guide
- Fuels pathways benchmark
- Fuel Demand models
- Business Model Archetypes
- Project Pipeline
- Opportunities for JDA among members
- Improved FID ratio
Project sponsor

- Project idea
- Project archetype?
- Technology feasibility?
- Feedstock feasibility?
- Economic feasibility?
- Database of projects
- Implementation

Alliance

- Technology Benchmark.xls
- Fuel Pathway Matrix.xls
- High-level Business case analysis.xls
- Bankability Checklist.doc
- Funding Guide.pdf

Project development

- RT1: Project Archetypes.db
- RT2: Technology Benchmark.xls
- RT3: Fuel Pathway Matrix.xls
- RT4: High-level Business case analysis.xls

Consortia formation

- RT1: Project Showcase
- RT2: B2B Matchmaking
- RT3: Demand Projections.xls
- RT4: Offtake agreement templates.doc

Implementation and monitoring

- Monitoring
- Dialogue with MS
- Market awareness
- Identification of unforeseen challenges
- Interfacing with other EU initiatives

• Database
• 3 project showcasing events
• Up to 250 B2B virtual matchmaking sessions
• Regular meetings with Steering Group
• Input from Roundtables

Private capital

H2BANK and other public financial support
233 Members:

- A business: 106
- Industry Association: 64
- A public body / authority: 14
- R&D organisation: 11
- NGO: 7
- Banking and Finance: 7
- Industry Association: 3
- Standard-setting Body: 3
- Other: 3

Fuels Supply:

- Waterborne: 63
- 11
- 14
- Aviation: 55
- 13
- 62
- 6
How to apply:

1. Visit our website:

2. Fill in and submit the alliance declaration

   Alliance declaration includes:
   1. Main commitment page
   2. Annex A: Motivation
   3. Annex B: Alliance TOR
   4. Annex C: Competitiveness guidelines

3. Wait for a letter of confirmation from COM

Needs agreement from authorised management level
Circular Plastics Alliance

Laure Baillargeon
DG GROW, European Commission
The Circular Plastics Alliance

EU Clusters Talk

Laure Baillargeon, unit GROW i.3, policy officer
330 signatories along the plastics value chain

BRANDS/SECTORS

Automotive: CLEPA, ACEA
Construction: EPPA-profile, TEPPFA, ERFMI, ECRA
Packaging: EUROOPEN
EEE: Orgalim, DigitalEurope, AppliA
Agriculture: APE Europe

Polymers: PET (Petcore), Polyolefins (PCEP), PVC (Vinylplus), PS (Styrenics Circular Solutions) and EPS (EUMEPS)
Systemic change along the plastics life cycle

1. Recyclability
2. Collection & sorting
3. Recycling
4. Recycled content
CPA: what has it delivered?

• Worked intensively despite challenging conditions

• Delivered 90% of the commitments in its initial declaration
What’s next?

• Visit of industrial sites
• Chemical recycling
• Plastic waste collection & sorting local events
• AOI
Thank you
Join at slido.com
#IndustrialAlliances
What are for you the most critical challenges that could be addressed by initiatives like the Industrial Alliances?
Q&A
FUNDING OPPORTUNITIES
Industrial leadership in AI, Data and Robotics boosting competitiveness and the green transition (AI Data and Robotics Partnership)

- Projects should contribute to one of the two following outcomes, exclusively:
  - The creation of systems to address large scale challenges using combined robotics data and AI solutions that have significant impact on the objectives of the green deal. For example, in improving domestic energy consumption or in the cleaning up of contaminated land and waterways or in accelerating the circular economy along the complete value chain through automated waste avoidance and waste processing or reuse of materials.
  - The creation of systems to address large scale resource optimisation challenges using combined AI and Data solutions, that have significant impact on the objectives of the green deal, such as optimisation of any kind of resources, from production to use along the complete value chain in order to minimise waste or foster the reuse of resources or in using AI and data solutions to maximize energy efficiency, ensuring energy security.

- Deadline: 19 March 2024
- HORIZON-IA HORIZON Innovation Actions
  Topic ID: HORIZON-CL4-2024-DIGITAL-EMERGING-01-04
- Published on Funding & Tenders Portal
Development of technical and business solutions to optimise the circularity, resilience, and sustainability of the European battery value chain (Batt4EU Partnership)

- Project results are expected contribute to all the following outcomes:
  - A European economic base which is stronger, more resilient, competitive and fit for the green and digital transitions, by reducing strategic dependencies for critical raw materials by **promoting a circular approach to manufacturing and resource efficiency**.
  - Advancing circular and sustainable design and **business practices** relating to advanced batteries and associated value chains.
  - Improving the **life cycle sustainability performance of batteries** produced in the EU.
  - Enhancing **European strategic independence** in terms of battery raw materials, the competitiveness of European industry, and maximising socio-economic benefits at the EU level and beyond.
  - Supporting the achievement of established EU **recycling efficiency targets** for 2030 and beyond.
- Deadline: 18 April 2024
- HORIZON-RIA HORIZON Research and Innovation Actions
  Topic ID: HORIZON-CL5-2024-D2-01-03
- Published on [Funding & Tenders Portal](https://example.com)
On 23 November 2023, EISMEA and DG REGIO will organise an informative session about the Interregional Innovation Investments (I3) Instrument call for proposals "Strand 2b - Capacity Building in Less Developed Regions".

The call will be launched on 15 November 2023 and will have two cut offs: on 15 February 2024 and 14 November 2024.

Register for the Info Session: https://ec.europa.eu/eusurvey/runner/I3infoday
Opportunities for SMEs: Calls from Euroclusters

- **AIBC**: Open Call for digitalisation services and product development targeted at European SMEs from the manufacturing, mobility, logistics and energy sectors, working on the AI & BC technologies and/or interested in adopting AI & BC solutions; deadline 16 January 2024

- **CircInWater**: Knowledge lump sum is willing to boost SMEs’ development or growth by facilitating access to external training or consultancy services; meant for an individual SME that is offering water-smart solutions, especially for the agrifood & energy-intensive industries; deadline 2 October 2024

- **DESIRE**: Innovation and internationalisation of e-Health solutions; deadline 13 November 2023

- **E-Boost**: Five calls to identify product innovations to reduce dependency on critical inputs and technologies in the E-BOOST value chains, to introduce new-to-firm products or services, and to engage actors from regions with different levels of economic development; targets are SMEs from the mobility ecosystem

- **EPICENTRE**: Support via mentoring, coaching and training for SMEs from Digital and Fintech to Health and Agri-food sectors; deadline 5 December 2023.

- **EuroBoosTEX**: Grant for textile SMEs to innovate through technologies and adapt business processes to enable the green and digital transition; deadline 8 November 2023

- **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 manufacturing, technology and solution providers SMEs, and in particular industrial equipment and tool providers, for implementation of a new green technology, service, product or business production process in a real operational environment; deadline 31 October 2023

- **GEMSTONE**: Financial support for training related to Green Manufacturing; deadline 31 December 2024
Opportunities for SMEs: Calls from Euroclusters

- **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
- **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
- **METASTARS**: Call for **innovation services** for green technology development, digitalisation, upskilling and reskilling, internationalisation, and information security systems for SMEs from the **aeronautics, space, defence and ICT sectors**; deadline 31 December 2023
- **POLREC**: Innovation open call aims to support SMEs by funding their **polymer recycling** projects; deadline 31 October 2023
- **RESIST**: 2nd **Innovation** Open Call for improved technologies and processes in production in the **Automotive – Mobility – Transport** ecosystem; deadline 12 December 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
- **SUSTAIN**: Financial support to SMEs for developing new products, services or methods addressing the **smart building construction** challenges; deadline 1 November 2023
- **All calls here**: [https://clustercollaboration.eu/open-calls](https://clustercollaboration.eu/open-calls)
SMEs, clusters, research organisations, social and public entities are invited to join an interactive workshop to meet, network, exchange ideas, and initiative new project proposals. Guided by experts on project creation and management, you have the possibility to forge new alliances and project consortia for the topic of your interest. You can either join with a concrete project idea or offer your skills and knowledge in new areas.

Come to our C2Lab!

14-15 November 2023: Vilnius, Lithuania
Register for the next Talks

8 November  Clusters4NEB: New European Bauhaus and sustainable construction

15 November  Bioeconomy and sustainable food systems

22 November  The EU AI Act and generative AI

29 November  Green Transition Support

6 December  Strategic Technologies for Europe Platform

13 December  ECCP activities: wrap-up and outlook
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