Cluster Collaboration Lab (C2Lab)

Draft Agenda C2Lab #7

Esbjerg, Denmark

6-7 May 2025

An initiative of the European Union

C2Lab #7, Esjberg, 6-7 May 2025

Day 1: 6 May 2025

Master of Ceremony: Antonio Novo, ECCP team

	Time (CET)	Location
9:30	Start Registration	Meeting point is at the venue: EfB Esbjerg Konference & Event, GI Vardevej 82, 6700 Esbjerg
10:00	Bus Tour: Introduction to the history of Esbjerg and the port's role in the global energy sector (at venue) Bus tour around the harbour - A stop at the pre-assembly site at the port; wind turbine blades, towers, and more. A presentation of the port's transition from fishery, oil and gas and now green technologies; wind, carbon capture and storage	
13:00	*Lunch*	EfB Esbjerg Konference & Event, GI Vardevej 82, 6700 Esbjerg
14:00	Welcome to the C2Lab *Romain Bouttier, EISMEA, European Commission*	
14:05	Funding programmes and partnerships across Europe *Claus Meineche, Head of Secretariat, EUDP & The Danish Energy Agency*	
14:20	Funding programmes and opportunities related to the topics to be covered *Romain Bouttier, EISMEA, European Commission*	
14:40	Introduction to Energy Cluster Denmark and energy and innovation ecosystems *Glenda Napier, CEO, Energy Cluster Denmark*	
15:00	Esbjerg's role in the green transition *Jesper Frost Rasmussen, major of Esbjerg*	
15:15	Presentation of the Input Paper and project creation methodologies *Athanasios Konstandopoulos, ECCP team*	
15:30	Presentation of participants and pitching ideas	
16:00	*Coffee break*	

Strengthening the European economy through collaboration

16:15	Initiation of the working group phase *The working groups will be guided by facilitators from the ECCP team.*	
18:30	End of the session	
20:00	*Networking dinner*	Plates Restaurant, Grådybet 73A, 17th floor, 6700 Esbjerg

Day 2: 7 May 2025

Master of Ceremony: Antonio Novo, ECCP team

Duration	Description	Location
9:00	Welcome to day 2 and initial remarks	EfB Esbjerg Konference & Event, Gl Vardevej 82, 6700 Esbjerg
9:05	Private investments for collaboration projects *Søren Røn, CEO, Next Step Challenge*	
9:20	Working group phase (I) *The working groups will be guided by facilitators from the ECCP team.*	
11:00	*Coffee break*	
11:20	Working group phase (II) *The working groups will be guided by facilitators from the ECCP team.*	
13:00	*Lunch*	
14:00	Presentation of results *Each working group will summarize the main ideas discussed in their group.*	
14:45	Recap of the C2Lab and closing words from the European Commission, Energy Cluster Denmark, and ECCP team	

15:00 End of Day 2

19:00 Optional networking dinner with members of Energy Cluster Denmark (at own cost)

Topics of the C2Lab

The European Cluster Collaboration Platform, in collaboration with Energy Cluster Denmark, will host the next **Cluster Collaboration Lab (C2Lab) in Esbjerg, Denmark, on 6–7 May 2025**. This edition will focus on the **energy transition**, with project discussions centred on clean energy, clean technologies, recycling, and their linkages to digital solutions, such as smart energy and cybersecurity.

The C2Lab is a **workshop-style event** designed to foster collaboration: participants can join with concrete project ideas or contribute their expertise to others. As a starting point, six overarching challenges will guide the working groups, each offering a framework for developing joint projects. Each topic can cover different aspects that can be discussed:

1. **Clean energy transition:**

- Green Hydrogen Corridors and international supply chain for green hydrogen.

- Renewable Microgrids and decentralized energy hubs.

- Partnerships to enhance efficiency in offshore wind projects

- Joint ventures to transition heavy industry to low-carbon solutions.

- Collaborative models for energy-efficient energy storage technologies.

2. **Clean technologies**

- AI-Powered Energy Efficiency to optimize industrial energy consumption.

- Integrated carbon capture and storage solutions.

- Sustainable alternatives to traditional industrial chemicals.

- Energy-efficient heating and cooling technologies.

- Partnerships to recover and reuse rare-earth elements from e-waste.

3. **Recycling**

- Urban mining for critical materials and waste management companies to recover valuable metals.

- Digital platforms for tracking recycled materials.

- Bioplastic reuse and recycling.

- AI to improve sorting efficiency in recycling plants.

- Retailers and logistics firms partnering about reusable packaging systems.

4. **Smart energy**

- Decentralized energy trading models for communities.

- Machine learning for real-time electricity demand management.

- Aggregating distributed energy resources for grid stability.

- Optimizing energy storage and redistribution from electric vehicles.

- IoT companies for automated energy savings.

5. **Digitalisation**

- Simulations to optimize clean energy systems.

- Real-time data for better energy distribution.

- Reducing downtime in renewable energy infrastructure.

- Transparency in renewable energy transactions.

- Digital tools for upskilling in the energy transition.

6. Cybersecurity

- Stronger grid resilience through AI-driven monitoring.

- Preventing cyber threats in connected energy systems.

- Secure authentication in energy markets.

- Future-proofing renewable energy systems against cyberattacks.

- Public-private partnerships for real-time energy threat sharing.

7. Your own project idea