



## WEBINAR SERIES

# Investment in large Industrial (Urban) Symbiosis infrastructures

20 March 2024

9:00 CET | Online



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**Hubs4Circularity**  
COMMUNITY OF PRACTICE

# Agenda

*Moderation: Dorota Pawlucka, Covestro Deutschland AG*

**9:00 Introduction to the Hubs4Circularity Community of Practice and the White Paper recently in development with A.SPIRE**

*Taira Colah, CiaoTech*

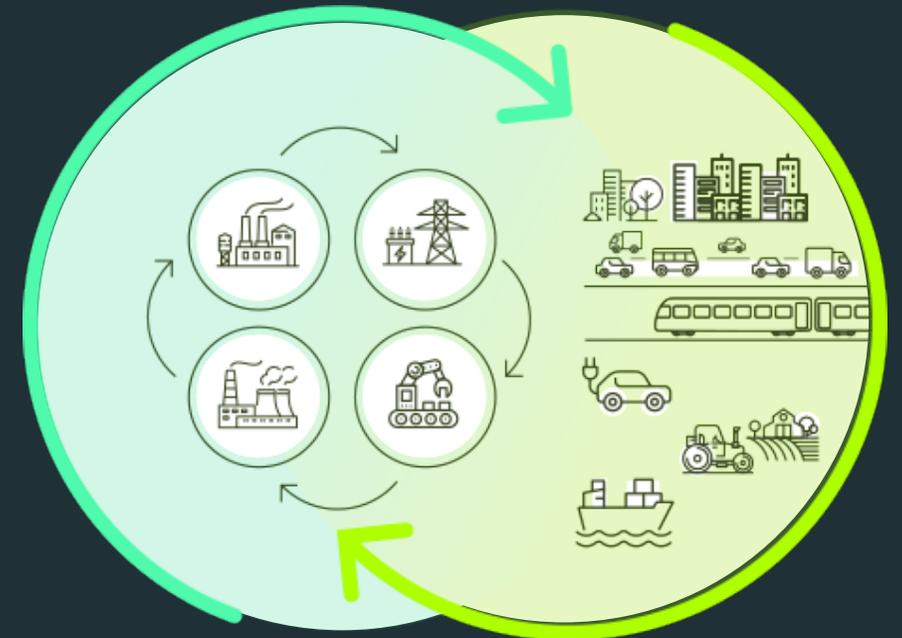
**9:05 Investment in large (shared) Industrial (Urban) Symbiosis infrastructures**

*Per Møller, Kalundborg Symbiosis*

**9:30 Discussion**

*with webinar participants*

**9:45 End of the webinar**



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PROCESSES+PLANET

# Hubs4Circularity Community of Practice

*Supporting Hubs4Circularity to accelerate  
industrial symbiosis and industrial-urban symbiosis*

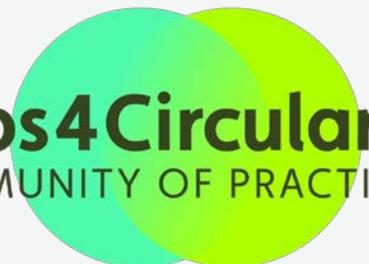


[www.h4c-community.eu](http://www.h4c-community.eu)



[info@h4c-community.eu](mailto:info@h4c-community.eu)

**Hubs4Circularity**  
COMMUNITY OF PRACTICE



# Two projects, one community

Industry

Public authorities

Associations

Citizens

NGOs

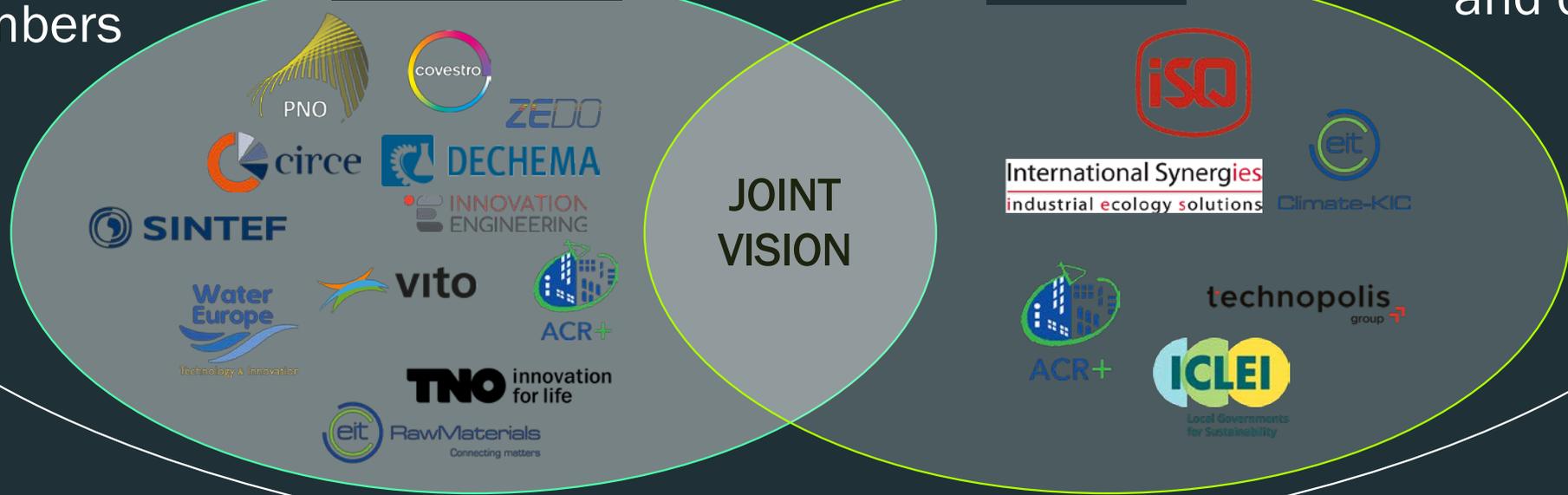
Regions and cities

Founding members

H4C EUROPE

H4C ECoP

JOINT VISION



**Accelerating the transition to  
industrial symbiosis,  
industrial-urban symbiosis  
and circular economy.**

**Hubs4Circularity** are **socio-technical ecosystems** for **full-scale industrial symbiosis, industrial-urban symbiosis and circular economy** closing energy, resource and data loops at **regional scale.**

They are an important building block for achieving the **climate neutrality targets by 2050.**

Mapping regions, industries, technology providers, facilitators and research

Assessing stakeholder needs and requirements

Our Knowledge Platform

A comprehensive collection of tools and educational materials that support Hubs4Circularity

Deep-dives into challenges and solutions

The development of Key Performance Indicators (KPIs) for creating and scaling Hubs4Circularity

Assessing regions and industrial clusters for their Hubs4Circularity potential

Offering roadmaps and project development support.

# EXPERT GROUPS & MINI CoPs

The Hubs4Circularity Community of Practice is a state of the art, current research and practice in the field of industrial symbiosis, industrial-urban symbiosis

On June 7th, the community discussed various industrial areas for the use of scrap as carriers of energy

particular hydrogen and green power. Precise monitoring of the composition of the streams that are exchanged and the ability to adapt the processing to varying compositions was mentioned as a key prerequisite for industrial symbiosis. The

internationally well as flows in the sector

framework conditions in Europe regarding regulations, taxation, and subsidies, and pointed out that the uncertainty about the future conditions is a major obstacle to invest in technologies which have a life-time of decades

**FACILITATORS**

**WATER**

**EDUCATION**

**STEEL, METALS AND MINERALS**

**CHEMICALS**



**PLASTICS**

...ing that took place on June 7th... iasts in the field of I-US focus

...on "Just" for a day filled with insightful discussions and innovative ideas. During t... provided a... the remark... demo cases, ... specific domain

The speakers shared their expertise on how 'Hubs for Circularity' could:

✓ Help develop collaborative solutions in the field of water within the industrial ar

... business models. For example, through the... fluents,

✓ Produce energy carriers (biogas) to be used in other industries

✓ Reusing wastewater in processes which as a result, will reduce the freshwater consumption.

**REGIONS & CITIES**



Up-to-date H4C and I(U)S Resources - Curated Knowledge, Guidelines, Essential Tools, and Valuable Links

900+ registered users

2.590 Patents  
20.693 Papers  
2.698 Projects

**Hubs4Circularity**  
COMMUNITY OF PRACTICE



# Knowledge Platform services



## Engaging the H4C Community of Practice

- Organizing workshops and events
- Linking H4C experts
- Member database for peer connections
- Discussion forums and H4C working groups
- Matchmaking
- Industrial Symbiosis innovation challenges and solutions



## Access to knowledge and tools

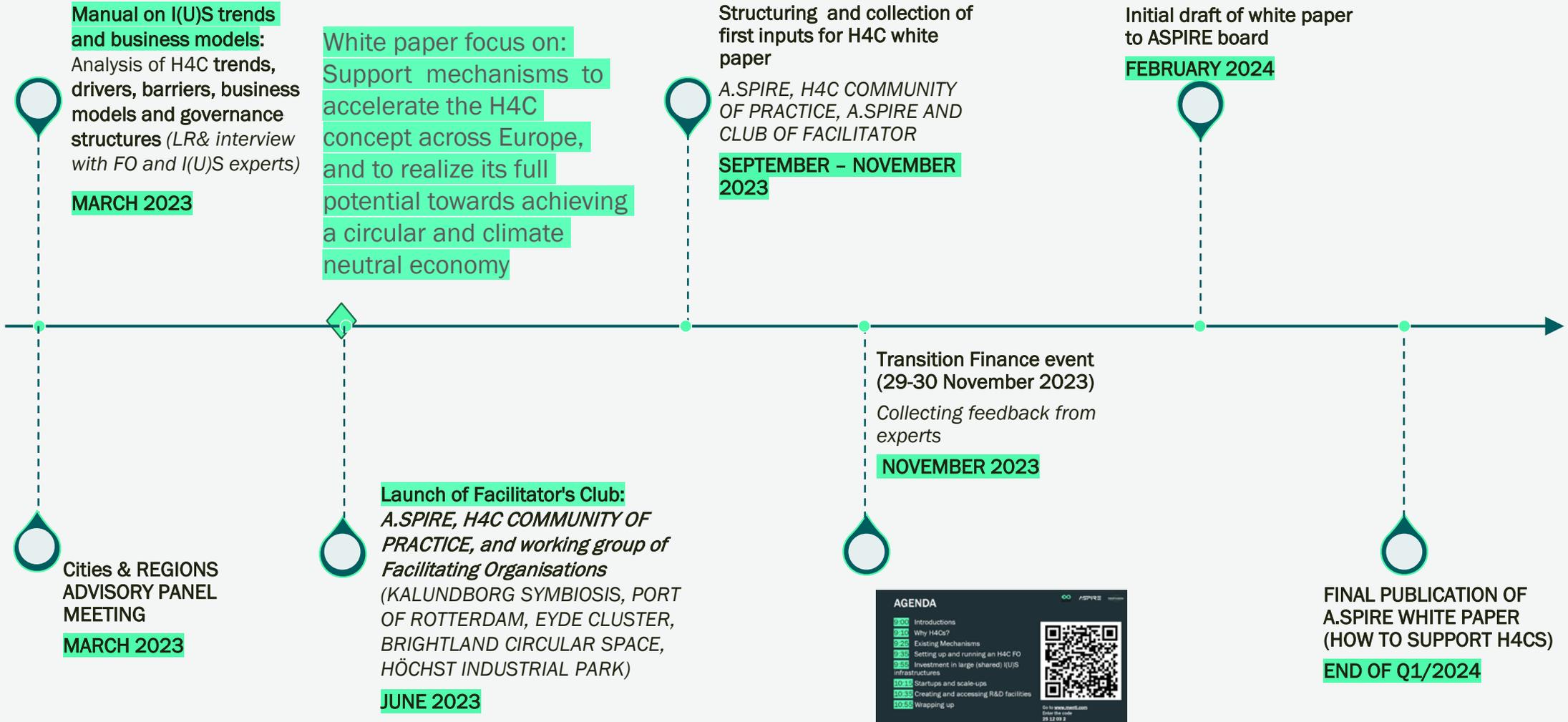
- H4C Case Studies and SCALER Opportunities
- Skills Profiles, Training, and Guides
- Self-assessment Tools
- Funded Project Database and Results
- Funding Guide for Hubs4Circularity



## Services to accelerate Hubs4Circularity

- **Services to Hubs:**
- Business and Governance Training
- Funding and Finance Support
- Open Innovation Tech-Scouting
- **Services to Projects:**
- Training on Symbiosis and CE
- Stakeholder Network Support
- Data Analysis
- KPI Assessment
- Tech Scale-Up Support

# H4C WHITE PAPER (A.SPIRE & H4C Community of Practice)



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# Thank you!

Join the Hubs4Circularity Community of Practice

<https://www.h4c-community.eu/#form>

Please visit our website to for more information:

[www.h4c-community.eu](http://www.h4c-community.eu)

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