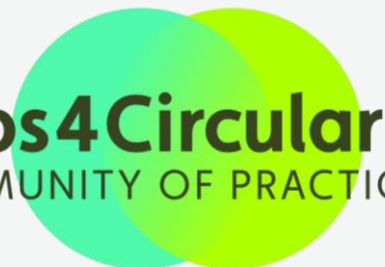# Hubs4Circularity Community of Practice

Supporting Hubs4Circularity to accelerate industrial symbiosis and industrial-urban symbiosis

www.h4c-community.eu

PROCESSES4PLANET

Hubs4Circularity
COMMUNITY OF PRACTICE

Agenda

1. Introduction to the Community of Practice

2. Supporting initiatives

3. How we support H4Cs

4. Next steps

Hubs4Circularity
COMMUNITY OF PRACTICE

1. Introduction to the Community of Practice

H4C Community of Practice

- Who we are
- Joint vision, path and deliverables
- A stakeholder-led journey

Objectives

Call: HORIZON-CL4-2021-TWIN-TRANSITION-01-16

Empower the process industries and regions to **create Hubs4Circularity (H4Cs),** providing significant impacts on resource efficiency, reduction of emissions and pollution and re-use of waste streams, through:

1. Sustainable community building and IT knowledge platform

2. Consolidation and creation of available knowledge

3. Development of a KPI toolkit, independent evaluation of existing and potential H4Cs, and policy recommendations

4. Promotion of the H4C concept

The joint vision of a **single European Community of Practice and enabling Knowledge Centre** is being pursued by the two CSAs funded under the same call for proposals.

Each CSA is implementing its own Grant Agreement and workplan; both have agreed on a set of joint and collaborative deliverables, along the same development path.

Two projects, one community

Founding members   Industry   Public authorities   Regions and cities

Citizens   NGOs   Associations
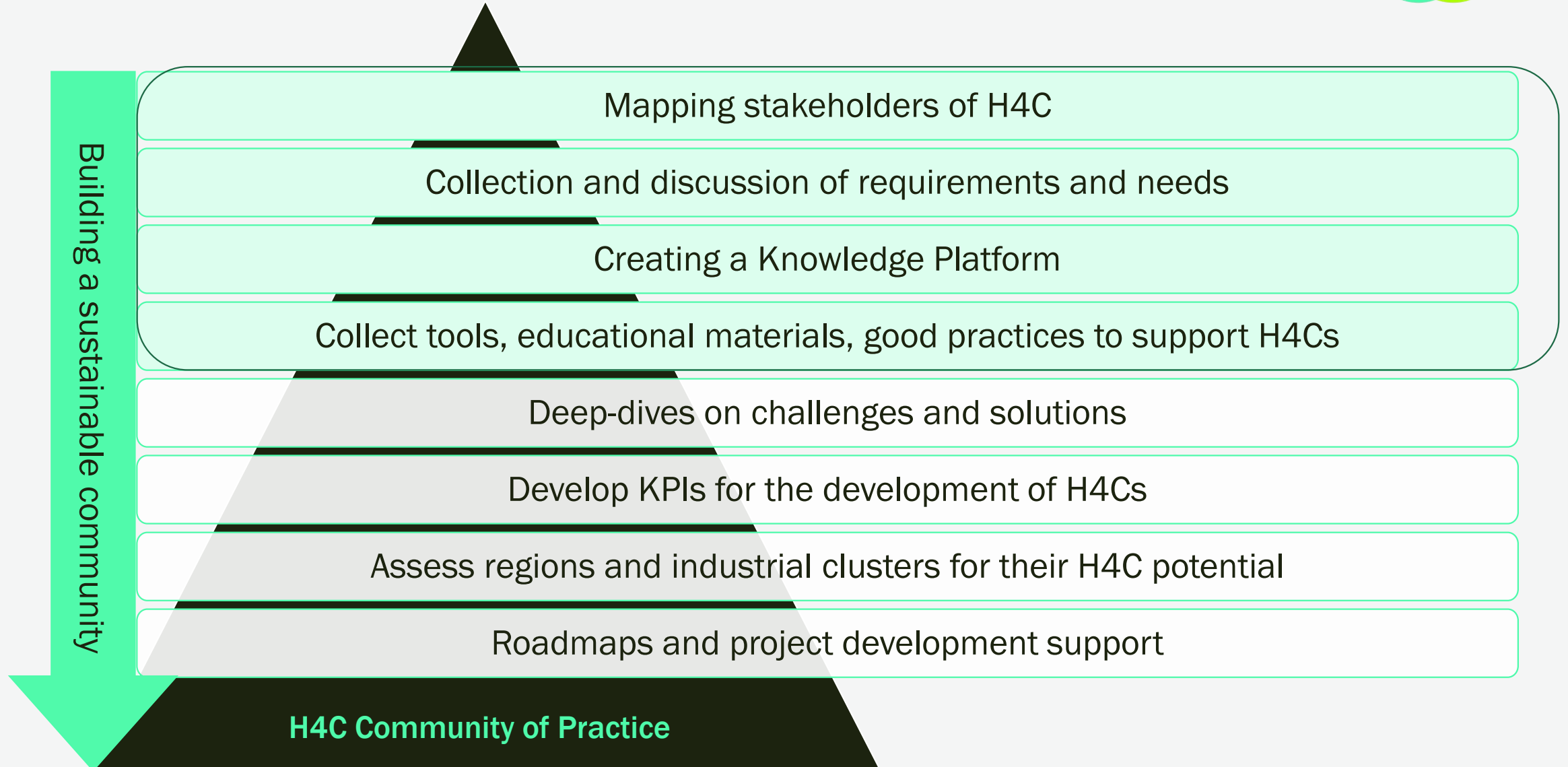
H4C EUROPE

H4C ECoP

Contact:
info@h4c-community.eu

Contact: info@h4c-community.eu

Two projects, a joint development path

Building a sustainable community

- Mapping stakeholders of H4C
- Collection and discussion of requirements and needs
- Creating a Knowledge Platform
- Collect tools, educational materials, good practices to support H4Cs
- Deep-dives on challenges and solutions
- Develop KPIs for the development of H4Cs
- Assess regions and industrial clusters for their H4C potential
- Roadmaps and project development support

H4C Community of Practice

2. Supporting H4C related initiatives

Supporting H4C related initiatives

- **10 Letters of Intent and support**

- Nucleus and driving force in the creation of the CoP

- Support in analysing state of play of mature hubs (drivers, barriers, governance models)

- Club of **H4C Facilitators**

- Co-creators and beneficiaries of CoP services to support mature and emerging H4Cs

- Kalundborg (Denmark)
- Mo Industrial Park (Norway)
- Eyde Cluster (Norway)
- Brightlands – Chemelot Circular Hub (NL)
- Process4Sustainability Cluster, Frankfurt (D)
- Heroya Industrial Park (Norway)
- Industrial Green Tech (D)
- Evonik, ArcellorMittal - Antwerp / Ruhr Area (B/D)
- Currenta in Leverkusen and Dormagen (D)
- Silesia (Poland)
- Smart Delta Resources: SDR (B/NL)

Supporting regions & cities

Hubs4Circularity
COMMUNITY OF PRACTICE

Supporting regions and citiies to foster H4C development - the entities responsible for context setting and enabling H4C principles

29 Letters of Intent and support from national, regional entities, regions, cities and their networks, companies and research entities.

H4C ECoP has established a Regions & Cities Advisory Panel to advise on the development of the platform and Guides supporting H4C development

- ARC Catalan Waste Agency (ES)
- Birmingham City Council (UK)
- Bornholm/BEOF (DK)
- Bornholm/BOFA (DK)
- Izmir Development Agency (TR)
- Ljubljana Urban Region Development Agency (SI)
- Municipality of West Achaia (GR)
- Odense Waste Agency (DK)
- Sofia Development Association (BG)
- Zero Waste Scotland (UK)

3. How we support H4Cs

Hubs4Circularity
COMMUNITY OF PRACTICE

ENGAGING THE H4C COMMUNITY OF PRACTICE

Facilitating, organising, stimulating
CoP Workshops and events
to connect H4C practitioners and experts

Searchable **members database** – find peers

Discussion Fora and Working Groups on H4C topics

Matchmaking innovation challenges and (technology) solutions

ACCESS TO KNOWLEDGE & TOOLS

H4C case studies, examples and learnings
SCALER overview of 100 sound **IS opportunities**

An overview of relevant **H4C skills profiles and training blueprint**
(+ access to training materials and platform)

H4C Guides and Manuals
for cities, regions, industries, communities and Hubs on I-US

(Self) assessment tools for Hubs and organisations
to evaluate (KPIs) or support the IS exploitation opportunities

Searchable database of funded IS, I-US, CE projects, patents and papers

Relevant results (knowledge, tools, roadmaps etc)
from publicly-funded IS, I-US and CE projects

Funding Guide to advance Hubs 4 Circularity activity

SERVICES TO ACCELERATE H4C

Training and support on **business modelling and governance models** for H4C Organisations/Facilitators

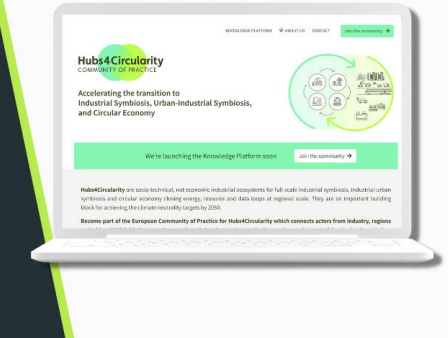Training and support on **funding and finance** for H4Cs

Training on **Industrial Symbiosis and Circular Economy**

Support to build
business-to-territory stakeholder networks

Support data-collection and anlaysis for
IS opportunity identification

Support **assessment of Industrial Symbiosis KPIs**
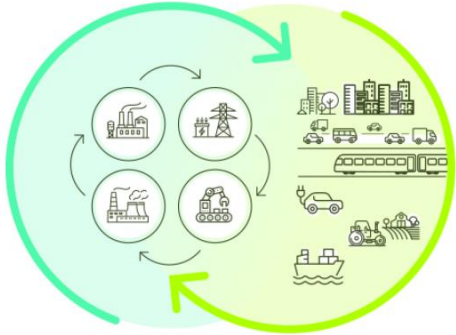
Technology **scale-up support**

H4C Knowledge Platform

Continuously updated with pre-selected H4C and I(U)S relevant knowledge, guidelines, tools and links
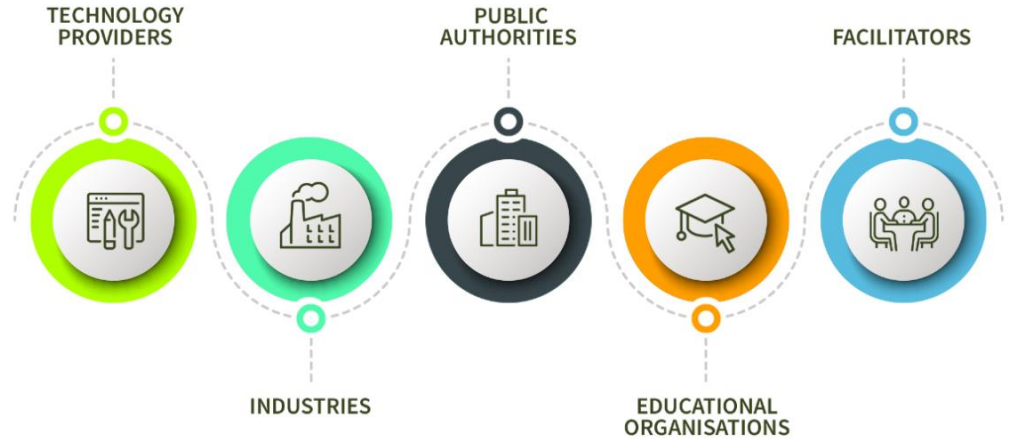
Hubs4Circularity
COMMUNITY OF PRACTICE

Home

Contact Us

Ron Weerdmeester
ron.weerdmeester@pnoconsultants.c...

IS/I-US/CE Projects

Technologies

Knowledge

Tools

SCALER's 100 most promising IS synergies

Skills and education

Community members

External Contents

900+ registrations

The **H4C knowledge platform** provides specific contents on Hubs4Circularity topics for the members of our Community.

Our Stakeholders

TECHNOLOGY PROVIDERS

PUBLIC AUTHORITIES

FACILITATORS

INDUSTRIES

EDUCATIONAL ORGANISATIONS

Last Updates

Knowledge

Implementation of Circular Case 4. Chemical Industry

Sectors:

Construction Materials | Engineering
Construction materials | Construction | Recycling
Pulp and paper | Chemicals

paperChain

Knowledge

Implementation of Circular Case 3. Railway Applications

Sectors:

Construction Materials | Engineering | Paper
Construction materials | Chemicals

paperChain

Knowledge

Implementation of Circular Case 2. Road Applications

Sectors:

Construction Materials | Engineering
Construction materials | Chemicals

paperChain

Suggested for you

Registration form at:
www.h4c-community.eu

Self Assessment Tools + Training

Hubs

Companies

Individuals

Current activities

1. Prepare a white paper on sustainable financing and support needs for H4Cs

2. Identify high-potential industrial areas and regions for H4Cs (including creation of a joint living map of potential H4Cs)

3. Publish various guidebooks for H4C stakeholders

4. Investigate a sustainable exit strategy for the H4C CoP

   - Joint Task Force between the two CSAs

   - Define Key Exploitable Results

   - Outline and explore exploitation routes jointly with A.SPIRE

Thank you!

Funded by the European Union

PROCESSES4PLANET

Join the H4C Community of Practice:
www.h4c-community.eu

Hubs4Circularity
COMMUNITY OF PRACTICE