



# CircLean

## European network of businesses and SMEs for industrial symbiosis

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# CircLean – European Parliament pilot project

**Duration:** 36 months (November 2019 - November 2022)

**Budget:** EUR 1.191.350

**Contractor:** Technopolis Group (lead),  
International Synergies Ltd, Trinomics, Arctik,  
with A.Spire, ACR+, EIT Raw Materials

## BARRIERS:

- Insufficiently motivating framework conditions
- Lack of time and capability within the company (SMEs)
- Lack of information, recognition, and awareness on impact/benefits

## RESPONSES:

# CircLean tools

- → **Self-assessment** of readiness level
- → Common approach for the **reporting and monitoring** of industrial symbiosis transactions based on real needs and capacity
- → **Match-making** tool
- → CircLean **label**

# WHO is the CircLean network for?



## Industry actors

- Industrial symbiosis networks/clusters, large companies, SMEs



## Business associations

- Representing interest of industrial actors, companies, SMEs



## Public authorities

- Regional and city governments



## Research & Innovation stakeholders

- Scientific foundations, research institutions, scientists, consultancies, etc.

# WHY the CircLean Network?

Increase **competitiveness of businesses**, foster **green growth**, **eco-innovation**, and accelerate the shift **to circularity**

Promote **awareness** of the market potential of industrial symbiosis

Improve **visibility** on the impact of a company's sustainability drive

Provide platform for the **matchmaking at cross-border** level



## Targets \*

**40 stakeholders** intends to join the network including:

- ✓ 20 companies
- ✓ 10 regional/city governments
- ✓ 10 IS facilitators/industry associations, research organisations

At least 100 network members of which **60 active members** including:

- ✓ 30 companies
- ✓ 15 regional/city governments
- ✓ 10 I facilitators/industry associations, research organisations

Methodology, Tool, Label protocol piloted with **15 companies, 5 Labels awarded**

At least 150 network members of which **120 are active members** including:


- ✓ 75 companies
- ✓ 25 regional/city governments
- ✓ 20 IS facilitators/industry associations, research organisations


**>100 companies use the Tool**  
**20 Labels awarded**  
**Network Sustainability Strategy is set**

 companies


 industry associations

 regions and cities

 research organisations

 Methodology

 Tool

 Cir@Lean Label

YEAR 1

Co-creation

Engaging stakeholders (~300)




Co-creation of the **Network**  
(vision, model, code of conduct, Management Board, etc.)


Co-creation of **Methodology, Tool, Label & protocol**



YEAR 2

 **Network launch & expansion**

 Network secretariat & website launch

 Meeting 1 "Network Launch" & Meeting 2

**Launch of the Methodology, Tool, Label & Protocol**

Pilot testing with 15 companies



YEAR 3

 **Further Network expansion**

 Meetings 3 & 4

Open Innovation Workshops in 10 MS

**Dissemination**

Testing with 50 companies



Up-take

Long-term Sustainability Strategy finalisation

# HOW to join the CircLean network?

Contact **Secretariat** to REQUEST APPLICATION FORM ([circlean.project@technopolis-group.com](mailto:circlean.project@technopolis-group.com))

Fill in and SUBMIT APPLICATION FORM

(when validated) SIGN CODE OF CONDUCT and...

...BECOME A MEMBER!



# Waste Framework Directive

## In force - amended in 2018

It included many review clauses, many with a deadline for end 2024.

Among the clauses is the review clause in art. 11(6) requiring the Commission by end 2024 to consider the setting of preparing for re-use and recycling targets for industrial waste (inter alia).

## Review of Waste Framework Directive (upcoming)

- It will address a number of these review clauses and other actions mentioned in the circular economy action plan.

# Regulatory measures (discussion ongoing)

- **Industrial Emission Directive (IED) – revision ongoing**

The impact assessment of the IED revision describes several potential measure that may incorporate circular economy aspects, such as:

- Require the inclusion of a separate BREF chapter containing sector-specific information on feedstock and waste specifications more systematically and on opportunities for industrial symbiosis in order to support authorities in the setting of End-of-Waste criteria and the development of industrial symbiosis plans/initiatives.
- Require MS national authorities to establish a national plan to promote industrial symbiosis.

- **Regulation on the European Pollutant Release and Transfer Register (E-PRTR) – revision ongoing**

Inception impact assessment lays down intention to explore the untapped potential for the E-PRTR, in conjunction with the IED, to contribute to circular economy objectives, including options for realising that potential, such as requiring additional data on resource consumption e.g. use of energy, water, raw materials.

# Non-legislative actions

## European Resource Efficiency Knowledge Center (EREK)

A dedicated toolkit on IS is currently being developed and will include feedback and experience from organisations that have already implemented or participated in IS schemes

Actions to be funded under Horizon Europe, LIFE and Interreg programmes. Cohesion funds (available for some Member States only) can also support IS in 2021-2027.

# Thank you



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