

What's Up? – Ongoing Initiatives Related to Industrial Symbiosis Standardization

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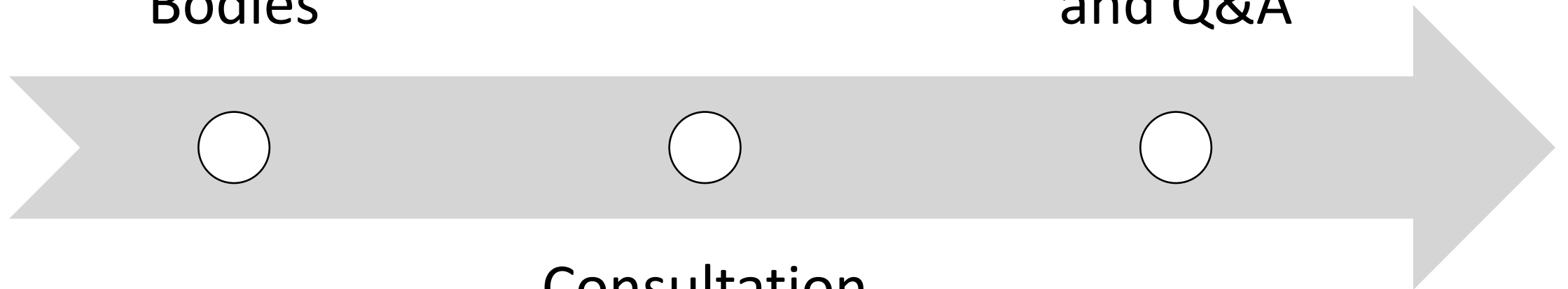


Agenda

RISERS

Mapping of
Technical
Bodies

Next Steps
and Q&A



Consultation
of Technical
Bodies

Mapping of Technical Bodies

Which TCs are relevant to Industrial Symbiosis?

The RISERS logo is centered within a large, stylized circular arrow graphic. The arrow is composed of two concentric paths: an outer blue path and an inner orange path. The letter 'S' in the logo is integrated into the center of the arrow, with a blue arrowhead pointing upwards and an orange arrowhead pointing downwards, creating a circular flow. The text 'RISERS' is in a bold, dark grey sans-serif font.

RISERS

A Roadmap for Industrial Symbiosis Standardisation for Efficient Resource Sharing



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Mapping of Technical Bodies

§ Aim

- § Identification of TCs to address with Industrial Symbiosis related questions
- § Overview of horizontal relevance

Mapping of Technical Bodies

SPIRE sectors

ceramics
cement
chemicals
non-ferrous metals
minerals
refinery (fuels)
steel
pulp and paper
water
engineering

EC priorities

energy use
waste treatment
materials sourcing
process industry
manufacturing
raw materials

Circular Economy roadmap

fertilizer
plastics
textiles
electronic and ICT
construction
batteries and vehicles

Mapping of Technical Bodies

§ Approach

- § 22 resources/sectors and 800 international and European TCs

- § very high (sector directly affected)

- § ISO/TC 17 Steel

- § high (sector indirectly affected)

- § CEN/TC 135 Execution of steel structures and aluminium structures

- § medium or low (connected to sector)

- § ISO/TC 105 Freight containers

Mapping of Technical Bodies

Results:

- § 131 TCs with high or very high estimated IS relevance.
- § 224 TCs with medium or low estimated IS relevance.

§ [Interactive graphic: DIN - German Institute for Standardization](#)



Consultation of Technical Bodies

What can we learn about
Industrial Symbiosis?



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Consultation of Technical Bodies



How can you shape activities on Industrial Symbiosis?

- Participate in the **survey by October 31** as basis of the roadmap.
- Participate in **stakeholder dialogues** and interviews throughout 2025.



What do we want to know about Industrial Symbiosis?

- **existing approaches** in standardization
- extent of **collaboration among different technical bodies** covering different industries interconnected with each other
- **bottlenecks** for standardization conditions
- links between **standardization and research and innovation**

Consultation of Technical Bodies

- § About 15 minutes for 32 questions
- § 5 sections:
 - § Section A: Current Practices
 - § Section B: Collaboration Among Different Industries
 - § Section C. Bottlenecks and Innovation
 - § Section D: Participant Information
 - § Section E: Getting in touch with us



Industrial Symbiosis Standardisation

Introduction

Industrial Symbiosis (IS) is a system that enables **circular flows of resources by engaging traditionally separate organisations** to share inflows and outflows, thereby optimizing their value networks (see [ISO 59004:2024](#)). This collaborative approach involves the exchange of resources like energy, water, or by-products, leveraging geographical proximity to create mutually beneficial value.

This survey aims to **investigate current approaches, collaboration, and bottlenecks and should take about 15 minutes to complete**. Your personal insights as an individual expert will help identify and address these challenges via the standardization system.

Your information will be handled securely, ensuring privacy and compliance with applicable regulations ([privacy policy](#)).

* 1. I consent to share anonymized inputs to this survey with [project partners](#) for the analysis.

This survey was created within the EU-funded RISERS project.

Yes

No

Consultation of Technical Bodies

- § Based on definition of Industrial Symbiosis from **ISO 59004:2024 ‘Circular economy — Vocabulary, principles and guidance for implementation’**.
- § Reference to **CWA 17354 ‘Industrial Symbiosis: Core Elements and Implementation Approaches’** aspects.
- § From high-level to more detailed questions:
 - § Which examples come to mind when you think about Industrial Symbiosis?
 - § What regulatory changes do you consider necessary to improve Industrial Symbiosis in your field?
 - § What would your TC currently need the most to improve Industrial Symbiosis?
 - § Please rank the following aspects in importance / feasibility to improve Industrial Symbiosis in your field.

Next Steps and Q&A

1. August 15: Launch
2. October 31: Closure
3. In 2025, series of Standardization Dialogues to shape roadmap

Survey link:

<https://www.surveymonkey.com/r/Risers>





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ISI



Thank you!

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