



European Union
European Regional
Development Fund

SYMBI

Industrial Symbiosis for Regional Sustainable Growth and a Resource Efficient Circular Economy

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Policy Learning Platform, Circular business models

Webinar, 27 November 2018

The project

- Improve regional policies to develop industrial symbiosis
- Diffuse industrial symbiosis and align regional policies with the circular economy package of the European Commission
- Enable the participating regions to advance their goals for sustainable growth and job creation
- Increase resource efficiency in line with the waste hierarchy



*SYMBI aims at supporting the transition towards a resource-efficient economy through industrial symbiosis, establishing territorial synergies to **manage waste and exchange energy & by-products as secondary raw resources***

The partnership

9 partners from 7 countries

- Foundation FUNDECYT Scientific and Technological Park of Extremadura (ES)
- Malopolska Region (PL)
- Environment and Territory Regional Ministry of Andalusia (ES)
- Chamber of Commerce of Molise Region (IT)
- Slovenian Government Office for Development and European Cohesion Policy (SI)
- Municipality of Kozani – Development and Planning Bureau (GR)
- Pannon Novum West-Transdanubian Regional Innovation Nonprofit LTD (HU)
- Regional Council of Häme (FI)
- Häme University of Applied Sciences Ltd (FI)

4 Managing Authorities of policy instruments directly involved

Experience from past relevant projects

1 advisory partner





FISS Finnish Industrial
Symbiosis System



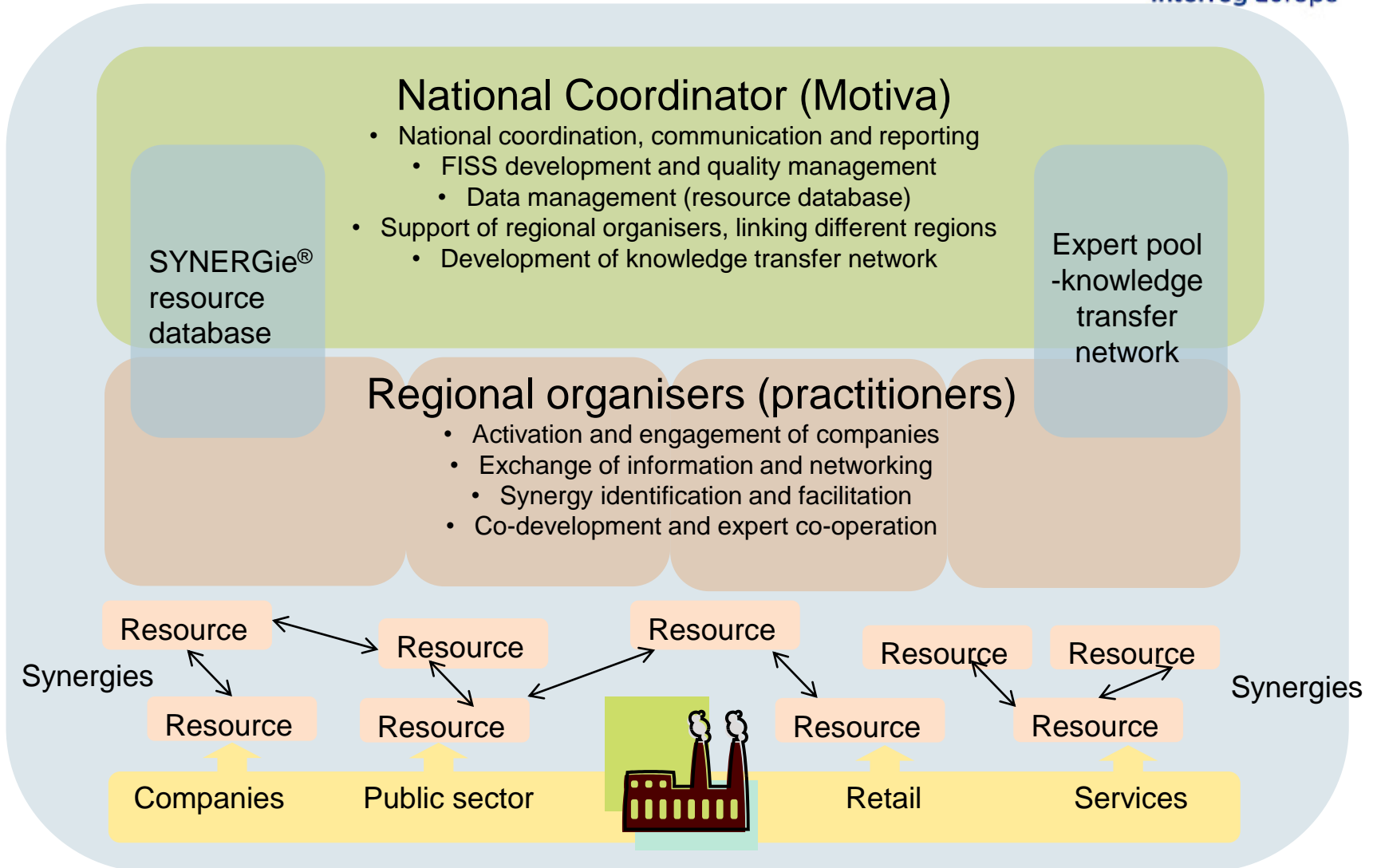
FISS – Finnish Industrial Symbiosis System

”FISS is based on collection of resource information, matchmaking and active facilitation.”

Good practise from Finland

FISS – Finnish Industrial Symbiosis System

- **Moderated by Motiva a government owned sustainable development company**
- ***The system is based on British National Industrial Symbiosis Programme (NISP) methodology adapted to the Finnish operational environment***
- **Focuses on creating higher value with less natural resources by forming industrial symbioses**
- **Provides a systematic way to help companies and other organisations to create *partnerships and new business opportunities* through more efficient use of raw materials, technology, services and energy.**
- **Identification of synergies through exchange of resource information and networking: workshops and SYNERGie® database**
- **Two types of synergy creation**
 1. Bottom up: companies contact the regional organisers
 2. Top-down: FISS organisers invite local companies and organisations to a workshop and ignite the match making



FISS – in numbers

14
Regions

>700
Companies

>30
FISS
work-
shops

>2500
Synergy
opportuni-
ties

>5000
Resources

Limitations of the good practice

1. Funding;

1. Rely on public funding (prone to cuts)
2. Not enough funding to reach the full potential

2. Needs consistency in national coordination and operation relies on regional organisers

1. If some region does not have a regional organisers it is left outside of the whole operation

3. SYNERGie[®] database is quite complex and only accessible by the managing authorities

More information

<http://www.industrialsymbiosis.fi/>

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