

CORALIS

Industrial Symbiosis
in Energy Intensive Industries

Creation of new value chain relations through novel approaches facilitating longer-term **industrial symbiosis**



Coordinator: Fundación CIRCE

Start Date: 1st October 2020

Duration: 48 months

EC funding € 17 987 565.27

Overall cost € 22 724 166.25

The vision

Developing lighthouse cases of **Industrial Symbiosis** in EU Process Industry demonstrating decarbonising pathways of resource and **energy-intensive sector** value chains through the combination of **new business and management strategies with innovative technology-based enablers**.

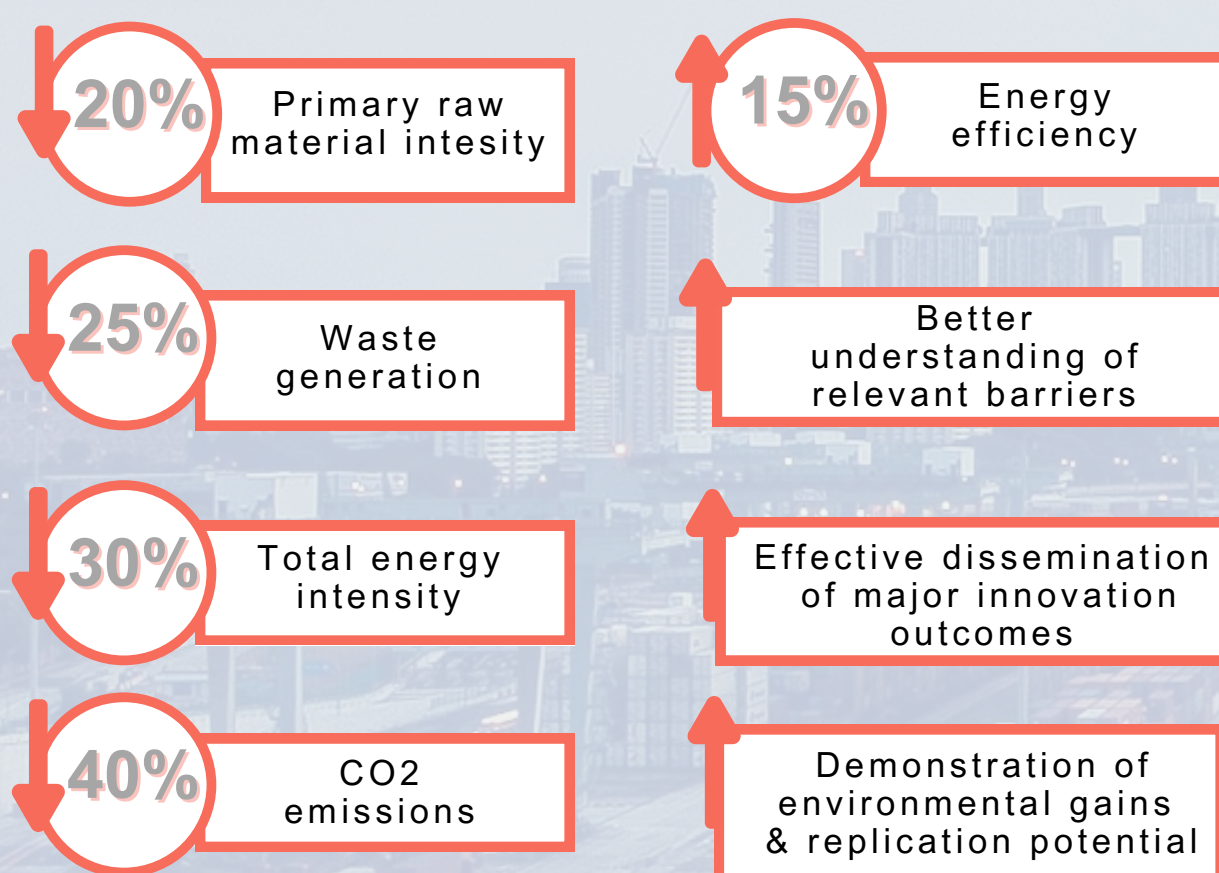
Industrial Symbiosis in EU process industry

The innovation

Long-term synergy models will be demonstrated in a total of 3 industrial areas, each of them supported by an Industrial Symbiosis facilitator that ensures that all the technical, economic, and managerial factors are considered to maximize the collective benefits and to guarantee the perennity of the **IS activity**.

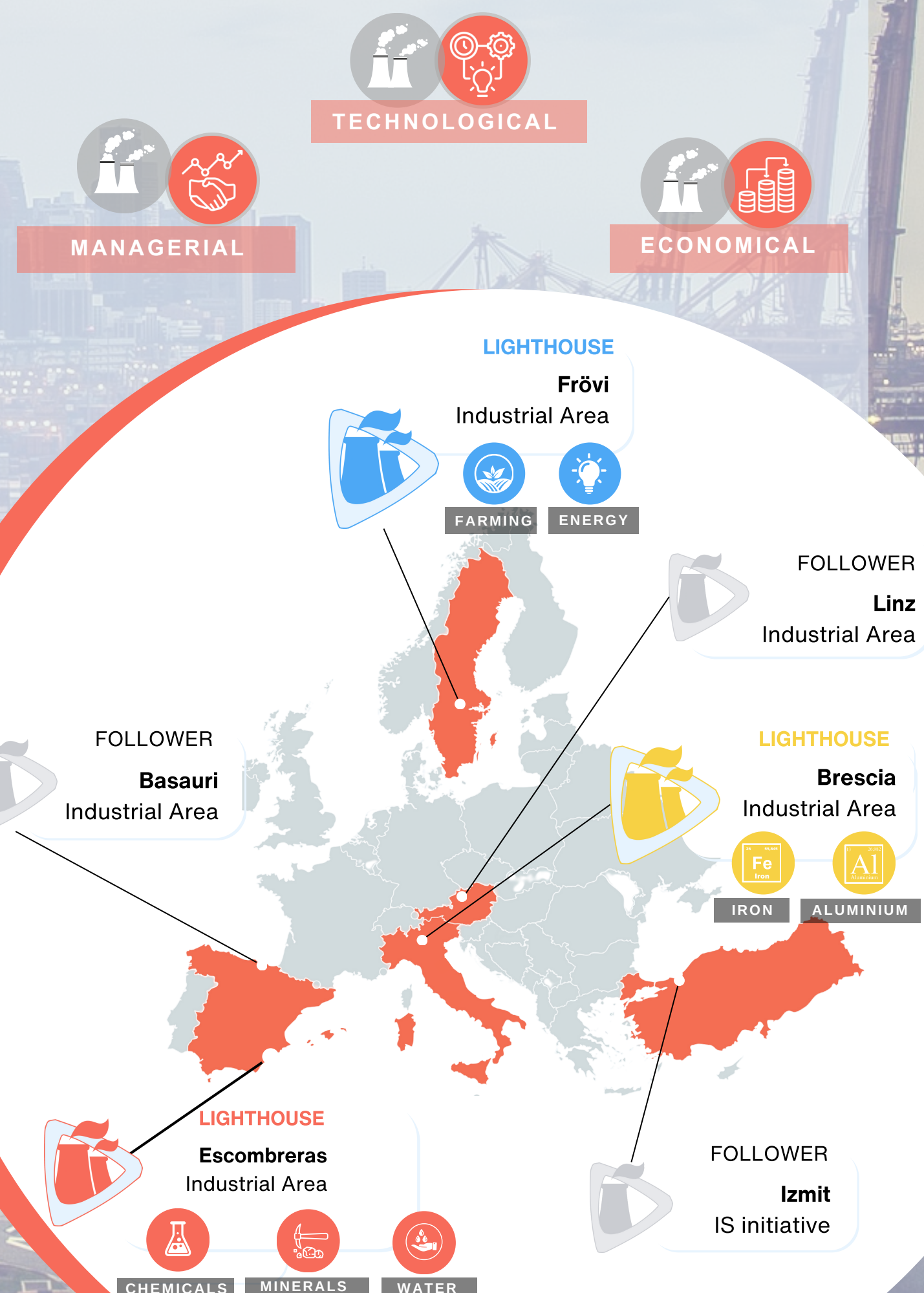
The impact

CORALIS will demonstrate how **symbiotic value chains in the process industry** can optimise resources utilization by closing the loop in a wide range, including water (Escombreras), CO2 emissions (Escombreras, Frövi), energy (Frövi, Brescia, Basauri), chemicals (Escombreras, Izmit) and metals (Brescia) In this way, the overall techno-economic and environmental feasibility will be improved through the application of new symbiotic interactions supporting further new business tools



The approach

Three industrial areas will act as **LIGHTHOUSES** and will leverage from the project results to progress in their Industrial Symbiosis readiness level. **FOLLOWER** industries' will add to the experience and it take if further. This will be complemented by the **stakeholders dialogue and horizontal activities** fostered within the CORALIS to promote Industrial Symbiosis outside the project's consortium.



CONSORTIUM



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