

September 2015 – February 2020

OBJECTIVES

The Fostering Industrial Symbiosis for a Sustainable Resource Intensive Industry across the extended Construction Value Chain (FISSAC) project involves stakeholders at all levels of the construction and demolition value chain to develop a methodology and software platform, to facilitate information exchange that can support industrial symbiosis networks and replicate pilot schemes at local and regional levels.

The model will be based on three sustainability pillars: *environmental* (with a life-cycle approach), *economic*, *social* (taking into consideration stakeholder engagement and impact on society).

ACTIVITIES

A methodology and a software platform will be developed in order to implement the innovative industrial symbiosis model in a feasible scenario of industrial symbiosis synergies between industries (steel, aluminium, natural stone, chemical and demolition and construction sectors) and stakeholders in the extended construction value chain.

Technical partners work on how to overcome technical barriers (transformations and adaptations of industrial and recycling processes).

ACR+ and the partners implicated in the living labs take care of non-technical barriers (social and cultural, legislative/regulatory, economic, organisational), as well as standardisation concerns to implement and replicate industrial symbiosis in a local/regional dimension.

The communication actions of the project include webinars on best practices as well as on the use of the FISSAC platform. Guidelines on the role of public authorities in sustainable construction to achieve a circular economy will be published.

PARTNERS INVOLVED

FISSAC's project coordinator is **ACCIONA** (Acciona Infrastructures S.A.) and its project partners are:

- **ACR+**
- **AENOR**, Asociación Española de Normalización y certificación
- **CSIC**, Agencia estatal Consejo Superior de Investigaciones Científicas
- **AKG Gazbeton**, AKG Gazbeton Isletmeleri Sanayi Veticaretcaret AS
- **Befesa Salzschlacke**, Befesa Salzschlacke GMBH
- **British Glass Manufacturers Con.**, British Glass Manufacturers Confederation Limited
- **CENTRO SVILUPPO MATERIALI SPA**
- **D'APPOLONIA SPA**
- **EKODENGE**, EKODENGE Muhendislik Mimarlik Danismanlik Ticaret Anonim Sirketi
- **Ecodek®** Specialist Building Products Ltd.
- **FUNAB**, Fundación Agustín de Betancourt
- **Fénix TNT s.r.o**
- **FERALPI SIDERURGICA SPA**
- **GEONARDO LTD**, Geonardo Environmental Technologies LTD
- **GTS**, Glass Technology Services Limited
- **TRI**, Ingenieurbuero Trinius GMBH
- **HIFAB**, HIFAB AB
- **KERABEN GRUPO SA**
- **OVAM***, Openbare Vlaamse Afvalstoffenmaatschappij
- **RINA SERVICES SPA**
- **RINA Consulting** - Centro Sviluppo Materiali S.p.A.
- **SP SVERIGES TEKNISKA FORSKNINGSSINSTITUT AB**
- **RISE** Research Institutes of Sweden AB
- **RISE-CBI**, RISE Research Institutes of Sweden AB (formerly CBI Betonginstitutet AB)
- **SIMBIOSY**, Simbiosy Simbiosi Insutrial SL
- **TÇMB (TCMA)**, Türkiye Cimento Mustahsilleri Birligi
- **TECNALIA**, Fundación Tecnalia Research & Innovation

* ACR+ member



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More information: fissacproject.eu



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