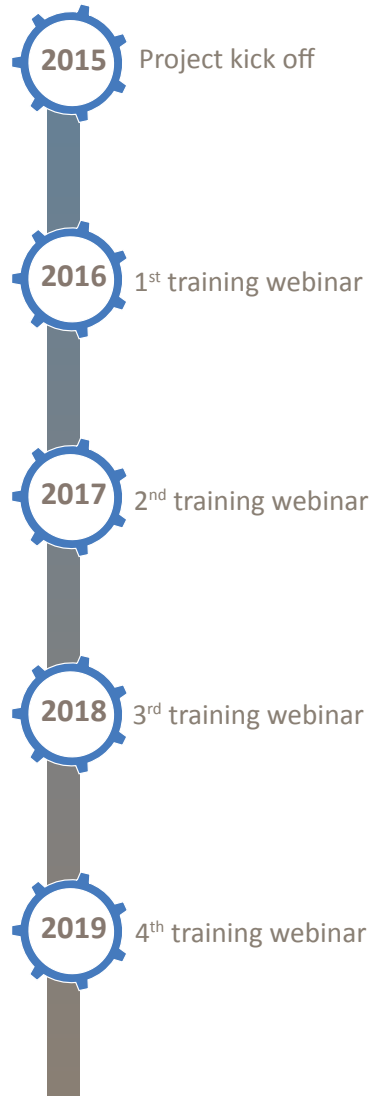


EVENTS



2020

Final project conference in Brussels



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#FISSAC



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Fostering Industrial Symbiosis
for a Sustainable Resource
Intensive Industry across
the extended Construction
Value Chain



FISSAC will demonstrate the applicability of the new industrial symbiosis model as well as the effectiveness of the processes, services and products at different levels:

Manufacturing processes

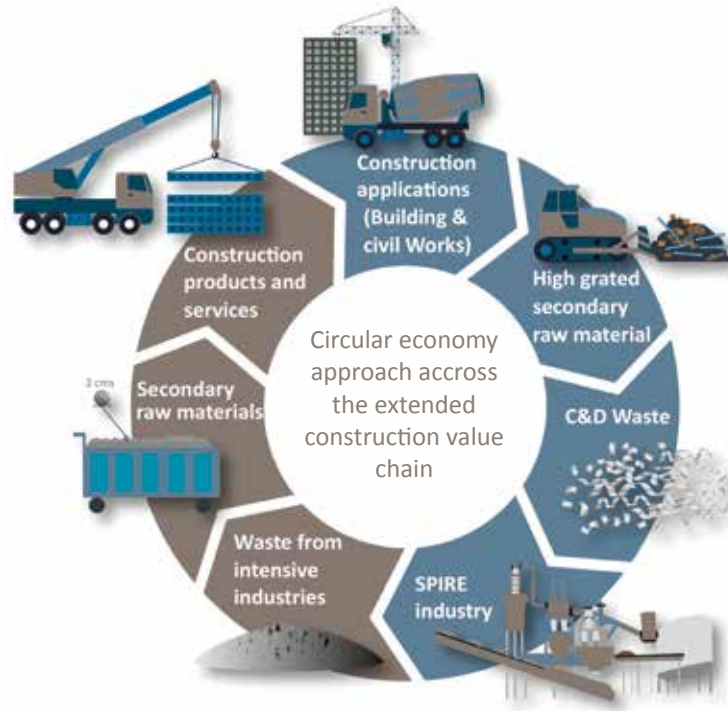
- Demonstration of closed loop recycling processes to transform waste into valuable acceptable secondary raw materials.
- Demonstration of the manufacturing processes of the novel products at industrial scale.

Product validation

- Demonstration of the eco-design of eco-innovative construction products (new eco-cement and green concrete, innovative ceramic tiles and rubber-wood plastic composites) in pre-industrial processes, under a life cycle approach.
- Demonstration at real scale of the application and technical performance of eco-innovative construction products in a variety of case studies.

Industrial symbiosis model

- Demonstration of the software platform.
- Replicability assessment of the model through living lab concept (as a user-centered, open-innovation ecosystem, often operating in a territorial context).



ABOUT FISSAC

The 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 lifecycle approach)
- economic
- social (taking into consideration stakeholders engagement and impact on society).

Our ambition is that the model we create can be replicated in other regions and other value chain scenarios.

PARTNERS

The project brings together twenty six partners from nine countries. The partners represent:

- general contractor and engineering companies
- non- profit research organisations
- SMEs in different sustainable business fields
- public authorities
- manufacturing and energy intensive industry organisations
- standardisation and certification bodies
- local and regional recycling/ sustainable resources management bodies.

The FISSAC project is coordinated by Acciona Infraestructuras (Spain).

