



Precast concrete sewer pipes

## Construction and demolition waste stream

The construction sector is the most resource intensive industrial sector in the EU. Although there is potential for the use of recycled materials from construction and demolition wastes (CDW), this is far from mainstream in Europe. For the time being, the sector uses only 4% of CDW, although CDW represents the largest waste stream in the EU, accounting for 1/3 of the overall European waste.

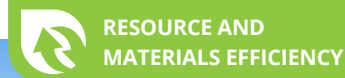
## Developing a market for recycled aggregates

Business operators from the construction sector are faced with challenges in placing their recycled products on the market. This is primarily due to the fact that there is still no niche market for concrete products made from the recycled materials. This is accompanied by the lack of a clear-cut legislative framework and inability to make precise estimations of both social and economic costs of the production.



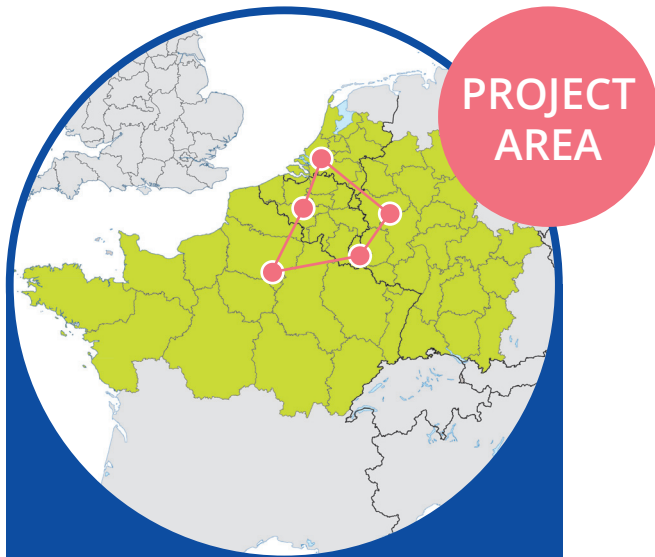
*SeRaMCo contributes to the circular economy by developing solutions for secondary raw materials.*

**Interreg**   
North-West Europe  
**SeRaMCo**  
European Regional Development Fund



## Secondary Raw Materials for Concrete Precast Products

[www.nweurope.eu/seramco](http://www.nweurope.eu/seramco)



**PROJECT  
AREA**

## Duration

March 2017 - September 2020

## Budget

Total: € 7.28 million

EU funding: € 4.37 million

## Lead partner

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## 11 partners, 3 sub-partners and 3 associated partners

### Belgium

- Prefer
- Schuttelaar & Partners
- Tradecowall
- University of Liege
- AREBS represent the city of Seraing (sub-partner)

### France

- Cerema
- University of Lorraine
- Vicat
- Departmental Council of Moselle DC57 (sub-partner)

### Germany

- University of Kaiserslautern
- Beton - Betz
- City of Saarlouis (sub-partner)

### Luxembourg

- University of Luxembourg
- Chaux de Contern (associated partner)

### Netherlands

- Delft University of Technology

### Europe (associated)

- European Federation for Precast Concrete (BIBM)
- European Quality Association for Recycling

SeRaMCo will test its end-products in 3 pilot areas, namely the City of Seraing (Belgium), the City of Saarlouis (Germany) and the region of Moselle (France).

## Objective

SeRaMCo aims to upcycle construction and demolition wastes (CDW) by developing concrete precast products and cement from recycled aggregates comparable to conventional products in terms of price and quality.

## Expected results

- 📌 **Advancing technology** for innovative treatment of CDWs and cement production;
- 📌 **Developing and testing** experimental proofs of concept;
- 📌 **Validating and promoting** precast concrete prototypes in public urban facilities;
- 📌 **Fostering market development** by ensuring the uptake of project results by the entire supply chain in NWE.