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More info

[www.interreg-fwvl.eu](http://www.interreg-fwvl.eu)  
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VALDEM

## VALDEM Project:

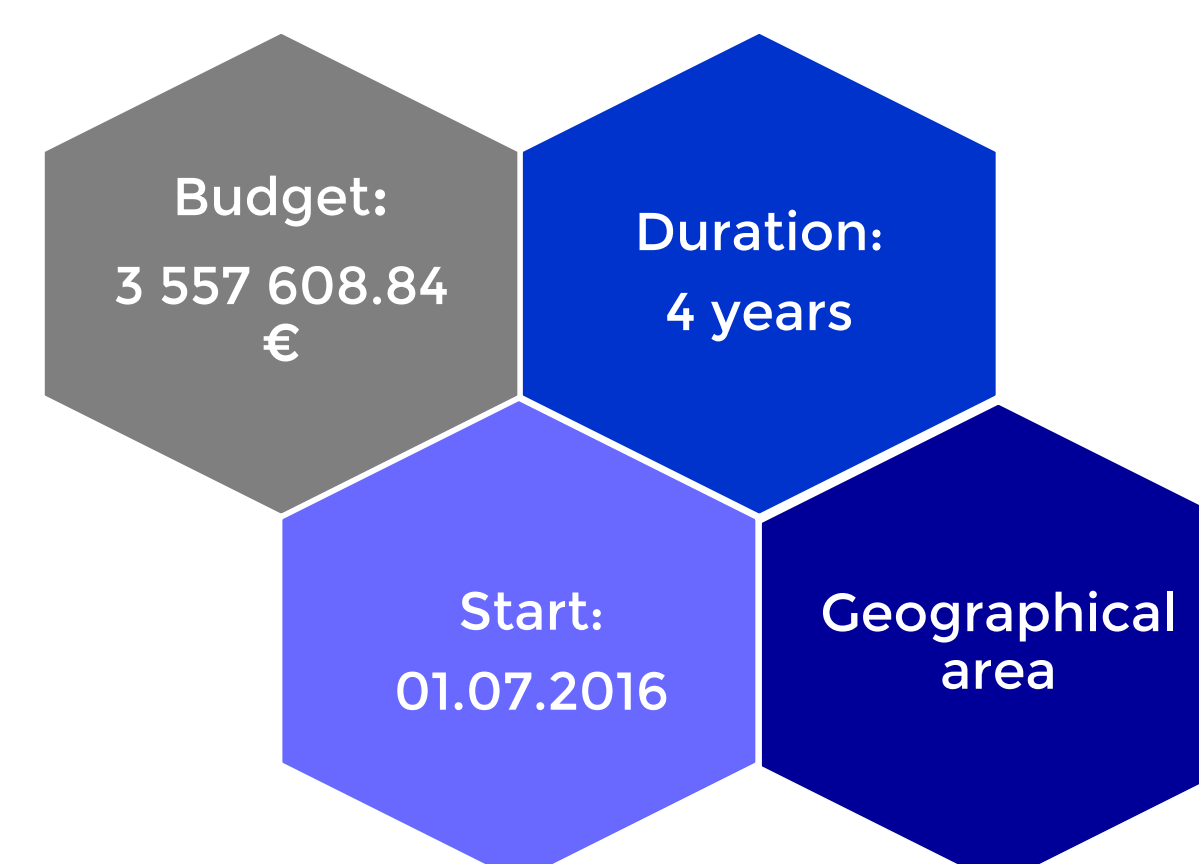
### Objectives:

VALDEM aims to improve demolition waste treatment to reach a circular economy in North of France and Wallonia (BE):

- ✓ Identify waste flow and create new recycling sector.
- ✓ Validate the approach by using Life Cycle Assessment.
- ✓ Demonstrate the transferability of the results to industries.
- ✓ Conduct a monitoring of regulations and highlight opportunities.



### General information:



62.000 km<sup>2</sup>  
10.800.000 habitants/inwonners

## What about Life Cycle Management?

### Activities:



### Scope:

Types of buildings (upstream)	Demolishing/dismantling practices		Sorting facilities practices	Downstream				
				Flow	Issue			
Residential buildings	Dismantling then demolishing	Sorting on site	Sorted waste, depending on sources (>80%)	Mixing	Concrete + brick	Mixing		
	Demolishing quality +	Storage platform		Sorting			Concrete + plaster	Plaster
	Demolishing quality -							
Commercial and industrial buildings	Dismantling then demolishing	Sorting on site	Mixed waste, depending on sources (<80%)	Mixing	Concrete fines + brick	Fines + mixing		
	Demolishing quality +	Storage platform		Sorting	Concrete fines + brick + soil	Fines + mixing + soil		
	Demolishing quality -							
Civil engineering/Demolishing								
Road/Demolishing								
Scope of the project								
Required traceability								

Upstream

Downstream

Assess environmental burdens link to collection, sorting and treatment of construction and demolition waste

Challenges

Lack of consistent, specific, detailed and reliable data

Approach

Data collection at different scale (micro with sorting facilities, recyclers ... and macro: regional and national statistics ...)

Assess environmental burdens link to product manufacture from CDW

Lack of a consensual methodology for allocation in recycling

State of the art of current research regarding allocation in recycling (PEF ...)

Connecting with related initiatives and projects (Recybeton, Studies from SNED, FEDEREC, KU Leuven ...).

Bring scientific and concrete elements (based on data from the ground and at macro-level) on how recycling of CDW can improve environmental impact of buildings along their life (current and futur) and move forward to a circular economy in construction sector