

# NEWSLETTER

# CONDEREFF

CONSTRUCTION & DEMOLITION WASTE MANAGEMENT  
POLICIES FOR IMPROVED RESOURCE EFFICIENCY



CONDEREFF  
Interreg Europe

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# OUR VISION

**C&D waste streams represent 20-30% of all waste** generated in Europe, hence its management is top priority for the EU. Reuse rates vary across EU countries (10-90%). The Waste Framework Directive (2008) and the Construction 2020 strategy set a 70% recycling and reuse rate of CDW by 2020 and the Circular Economy Package also prioritizes CDW.

'Greening' CDW management entails the creation of new services and products, and changes in existing business models in C&D. It also brings about new jobs and investment opportunities. Urban and rural development can thereby reach new thresholds of sustainability and resource efficiency.

CONDEREFF aims to strengthen regional capacities for increasing recycling and reusability rates of C&D waste in the regions participating in the project.

'Green' CDW management also entails resource efficiency by extensive materials' reuse (e.g. sand, bricks, wood, glass, metal). Buildings and materials designed from the outset to last longer and be suitable for deconstruction and reuse. In terms of research, innovation and development, CDW recycling presents several opportunities and challenges.

Circularity and circular economy are, according to the EU, the way to long-term environmental sustainability and economic competitiveness. They provide a way to rethink the way products, materials and resources are designed, produced, used and disposed. Similarly, 'zero waste' C & D operations means full re-use of all building materials. For this to be effective, some kind of industrial symbiosis is envisaged, where one industry uses raw materials from another's waste.



*We consider CONDEREFF project a powerful tool to draw on and share best practices, amend policies and thereby to improve resource efficiency of construction & demolition waste management. Currently, the recycling of plastic and paper is widely assumed and there is considerable relevant experience and regulations in our regions, but the same cannot be said for construction and demolition materials' recycling. However, there is a high recycling potential in these materials which needs to be exploited in search of a more sustainable world and a circular economy.*

*- Polytechnic University of Valencia (ES)*

# Mapping THE WASTE AUDIT



## The property owner

appoints an auditor retrieved from a regional registry for waste audits



## The waste manager

manages and disposes C & D waste streams and the whole reusables supply chain



**The auditor** is the qualified expert to determine demolition techniques, the nature of materials and corresponding treatment & processing



**The authority** issues demolition & renovation permits, oversees waste audit and QA mechanisms



**The contractor** is responsible for the construction / demolition / renovation operations



**The products manufacturer** is involved in the waste audit providing specifications for retrieved materials' specifications



# CONDEREFF ACTIVITIES

01

Researching recycling capacities, market potential for reused materials, public awareness

03

Tools & resources / Track & Trace CDW

02

Policy Learning on audits, public procurement, regulations

04

Action Plans / route to regional green CDW management

The industry-wide **Construction and Demolition Waste Management Protocol** improves the identification, separation at source, collection, logistics, processing & quality management

## ACTIVITIES IN PROGRESS

**Activity ID: A1**

**Type of activity: Research, data collection**

**Duration: 1 semester**

The project begins its journey with joint research activities. This kind of activities are undertaken by one partner but require the input of all partnership members. In a nutshell, there are four research streams commencing in the first project semester: a) a comparative analysis of CDW legislation and regulations in partners' territories (**Lazio Region**), b) an investigation into the economic potential of C&D recycled materials and identification of priority areas (**ISW**), c) an analysis of (C&D) recycling capacity in partners' territories (**AURA-EE**), and d) an analysis of public and stakeholders' perspectives and perceptions of CDW reusability and reliability (**ENEA**).

During the first semester, the partners responsible for each activity will develop a methodology for data collection. Partners will thereby contribute with data input, providing information regarding regional, local and territorial statistics and indicator. Stay tuned with this newsletter for keeping up with research progress reports!



**CDW separation and recycling facility**

**Activity ID: A2****Type of activity: Stakeholder policy learning****Duration: 1-6 semester**

Stakeholder policy learning is the name for the project's regional stakeholders' meetings to be held each semester during the first phase of the project. These recurring meetings are to be held by all partners (except ENEA) biannually. The objective here is **to identify, invite and involve all regional parties with an interest in CDW management, in C&D recycling and materials' value chain**. The long-term goal is for these groups to become consolidated at least for the project's duration. Stakeholder groups are the founding block for inducing project impact at the local and regional level. The meetings are important for reaching agreements, communicating regulatory and legislative developments, initiatives and essentially, establishing relationships between key players in the field of CDW management.



*Snapshot from the first project meeting*

# PROJECT UPDATES

**Type of activity:** Project Kick-off Meeting

**Venue:** Faculty of Building Engineering, Valencia, Spain

**Date:** 4-5 June 2018



*The city of Valencia*

CONDEREFF held its first project meeting! The meeting was hosted at the Polytechnic University of Valencia, Department of Building Engineering on the 4<sup>th</sup> and 5<sup>th</sup> June, 2018. The Polytechnic University of Valencia is the Lead Partner of CONDEREFF and simultaneously, the lead research institution of the partnership. The Kick-Off Meeting served as an excellent opportunity for the members of the partnership to introduce themselves to each other and inaugurate a 5-year long collaboration. All eight partners from seven countries were represented in the Kick-Off Meeting.

In the course of the Kick-Off Meeting project partners presented their allocated projects tasks, held Q&A sessions and discussed on the basis of sharing their experiences and current CDW management practice. The action plan of the project was thoroughly discussed and participants satisfactorily tuned into the project's requirements. Particular emphasis was given to forthcoming project activities. An action list of tasks to be carried through during the first semester of the project was charted and the meeting came to a close. The partnership is looking forward to meet again with plenty of developments, initial research activities and new ideas!





# Get involved



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# About us

CONDEREFF is co-funded by INTERREG Europe / European Regional Development Fund (ERDF)

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POLITECNICA  
DE VALENCIA

Polytechnic University of  
Valencia (ES)



Ελληνική Δημοκρατία  
ΠΕΡΙΦΕΡΕΙΑ ΘΕΣΣΑΛΙΑΣ

Region of Thessaly (EL)



Auvergne  
Rhône-Alpes  
Énergie Environnement

Auvergne-Rhône-Alpes  
Energy Environment  
Agency (FR)



The Regional  
Development Agency of  
the Pardubice Region  
(CZ)



Italian National Agency  
for new technologies,  
energy and sustainable  
economic development  
(IT)



REGIONE LAZIO

Lazio Region (IT)



Styrian Provincial  
Government (AT)



Institut für Strukturpolitik und Wirtschaftsberatung  
gemeinnützige Gesellschaft mbH

ISW – Institute for  
Structural Policy and  
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(DE)