

CENTROCOT
Innovation experience

Life M3P
Material Match Making Platform
for promoting the use of industrial waste
in local networks

LIFE15-ENV_IT_000697

January 2017



Life M3P

M3P Objectives



- The project aims to demonstrate the usefulness (benefit and added value) of an on-line platform at European level for the cataloguing, use and exploitation of industrial waste produced in a local area, in order to foster the overall efficiency of industrial processes through the increased use of waste within the area itself and less reliance on disposal



M3P Objectives_on-line platform

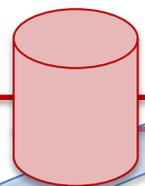
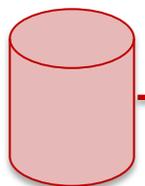
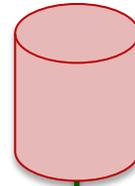
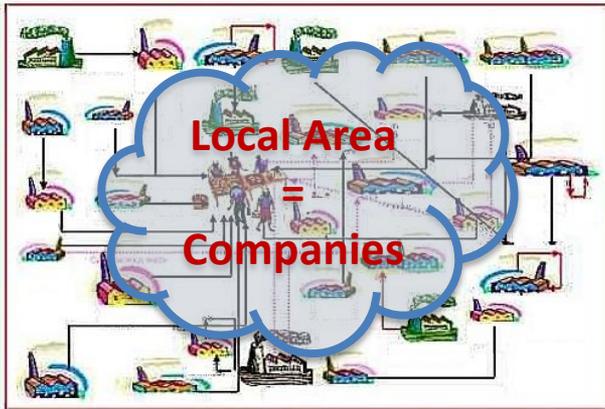


- The **on-line platform**, fully functional and based on a upgradeable **database of the industrial waste** of a local area, will allow to improve the environmental impact of the area, enhancing the use of material resources, notably:
 - sustaining the survey and the **cataloguing** of each industrial scrap or waste produced in the local area by the companies,
 - acting as “**material match making system**” to support experts and technicians of the companies to find a better use of materials inside the local area.



LIFE M3P - Local Industrial Symbiosis

- Legal Aspects (EU/Domestic)
- BAT
- Social trends



Raw Materials

Waste/By-products

Secondary Raw Materials



Feasibility Tests
Eco-Design Treatments

- Classification
- Characterization
- LCA – End of life
 - Intended use
 - Treatments
 - Environmental Footprint
- Search Engine



M3P Objectives_two ways



- Two kinds of ways will be followed:
 - developing and implementing pilot cases of industrial symbiosis, by means of the web-based material match making platform (M3P),
 - using creative techniques involving young designers and developing new eco-design concepts.
- Both these ways could lead to develop new business opportunities



M3P Objectives

Pilot cases



- **Pilot cases**, applied to some relevant waste, will demonstrate the feasibility of this approach:
 - addressing to the chemical, physical, and mechanical characterization of the chosen waste, as well as their remaining performance,
 - evaluating the environmental impact, through the use of eco-design techniques, such as Life Cycle Assessment (LCA) related to the remaining life cycle of the studied waste,
 - seeking for alternative and more profitable uses of waste materials.



M3P Objectives

Development of creative concepts



- To develop different design concepts (based on the eco-design principles) of concrete potential applications based on selected categories of waste materials, making use of the specific, functional and aesthetic properties



Partnership



Partner	Acronym	Country	Beneficiary
Centro Tessile Cotoniero e Abbigliamento Spa	CENTROCOT	Italy	Coordinating
Confederacion Asturiana de la Construcción - ASPROCON	ASPROCON	Spain	Associated
Material Connexion Italia Srl	MCI	Italy	Associated
Waste Management of Western Macedonia S.A. (DIADYMA S.A.)	DIADYMA	Greece	Associated
Unione degli Industriali della Provincia di Varese	UNIVA	Italy	Associated
i-Cleantech Vlaanderen	i-CTV	Belgium	Associated



Actions & Timetable

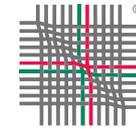


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Action		2016				2017				2018				2019				2020				2021			
Action numbe	Name of the action	I	II	III	IV																				
A. Preparatory actions (if needed)																									
A.1	PRELIMINARY OVERVIEW OF PREVIOUS SIMILAR CASES AND SCENARIOS				■	■																			
B. Implementation actions (obligatory)																									
B.1	LOCAL NETWORK SURVEY AND MAP OF RESOURCES				■	■	■	■	■	■															
B.2	DEVELOPMENT OF AN ON-LINE MATERIAL MATCH MAKING PLATFORM				■	■	■	■	■	■	■	■													
B.3	MATERIAL PILOT CASES						■	■	■	■	■	■	■	■	■	■									
B.4	DEVELOPMENT OF CREATIVE CONCEPTS AND SOLUTIONS AND START-UPS										■	■	■	■	■	■									
C. Monitoring of the impact of the project actions (obligatory)																									
C.1	PROJECT ENVIRONMENTAL IMPACT ASSESSMENT				■	■	■	■	■	■	■	■	■	■	■	■									
C.2	PROJECT SOCIO-ECONOMIC ANALYSIS				■	■	■	■	■	■	■	■	■	■	■	■									
D. Public awareness and dissemination of results (obligatory)																									
D.1	DISSEMINATION OF RESULTS AND EXPLOITATION OF LOCAL NETWORKING APPROACH				■	■	■	■	■	■	■	■	■	■	■	■									
E. Project management (obligatory)																									
E.1	PROJECT MANAGEMENT				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
E.2	MONITORING				■	■	■	■	■	■	■	■	■	■	■	■									
E.3	NETWORKING WITH OTHER PROJECTS							■	■	■	■	■	■	■	■										
E.4	AFTER-LIFE EXPLOITATION PLAN												■	■	■	■									



Contacts



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