MME on International Bioeconomy dialogues

Life M3P project: a waste material and technologies matching point

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Life M3P
Material Match Making Platform

CENTROCOT
Innovation experience

Budget Info:
- Total amount: **€ 1,476,183**
- % EC Co-funding: **60%**

Duration:
- Start: **01/10/16** - End: **30/09/19**

Coordinating Beneficiary:
- **CENTROCOT** Spa TEXTILE CLOTHING AND COTTON CENTRE

Associated Beneficiaries:
- **CAC-ASPROCON** CONFEDERACIÓN ASTURIANA DE LA CONSTRUCCIÓN (SP)
- **DIADYMA** WASTE MANAGEMENT OF WESTERN MACEDONIA (GR)
- **MCI** MATERIAL CONNEXION ITALIA (IT)
- **UNIVA** UNIONE DEGLI INDUSTRIALI DELLA PROVINCIA DI VARESE (IT)
- **CLEANTECH FLANDERS** - VITO (BE)

Life M3P Goals

☐ Apply a **model for Industrial Symbiosis**, on-line platform based

☐ **Realize matches between companies** offering waste stream and requesting materials

☐ Search for new applications of waste, based on **creative concepts**

EXPECTED IMPACTS

➢ **Reduction of waste production** at the cluster level: 60.350 ton, approximately -10%

➢ **Reduction of use of non renewable sources** at the cluster level: 84.200 ton

➢ **Reduction of water consumption** at the cluster level: 99.650 m^3

➢ **Reduction of the emissions of CO$_2$** at the cluster level: 54.750 ton

EXPECTED RESULTS

- **1 on-line platform (Life M3P)** with materials, waste, and technologies databases

- **250 SMEs** involved (Lombardy, Flanders, Asturias, West Macedonia)

- **500 waste** identified

- **100 waste** investigated;

- **24 waste** deeply characterized

- **10 pilot cases** launched

- **40 companies** implementing the proposed solution

- **4 business cases** implemented

- **40 young designers** involved during the product concept development phase

- **72 new product concepts**
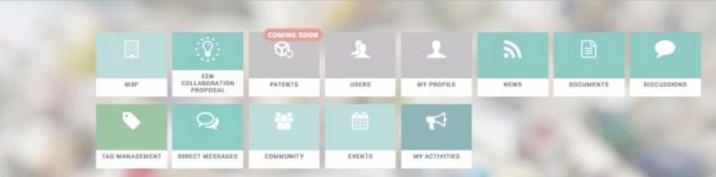
- **16 prototypes**

- **4 start-up studies**

LIFE M3P Platform

Life M3P is one of pilot cases based on Open 2.0, a free environment developed by Lombardy Region, under Open Source GPL3 License

Life M3P

LIFE M3P Platform

It is based on a plugin model architecture: personalized, flexible, updatable

- **Application plug-in store;**
- **Native plug-in with Science, Research and Technologies database (European Enterprise Network – EEN, Quaestio, etc.);**
- **Flexible to access new databases (i.e. waste database)**
- **Social plugins to manage community and relations between users**
- **Project management tools**
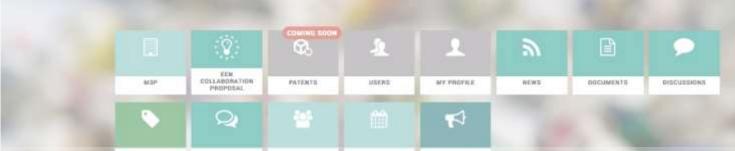- **Translation tools in different languages**

LIFE M3P Platform

Matching through different search models:

- **Search by free or fixed Tag definition;**
- **Search by full text (fuzzy logic);**
- **Search by advanced specific fields**
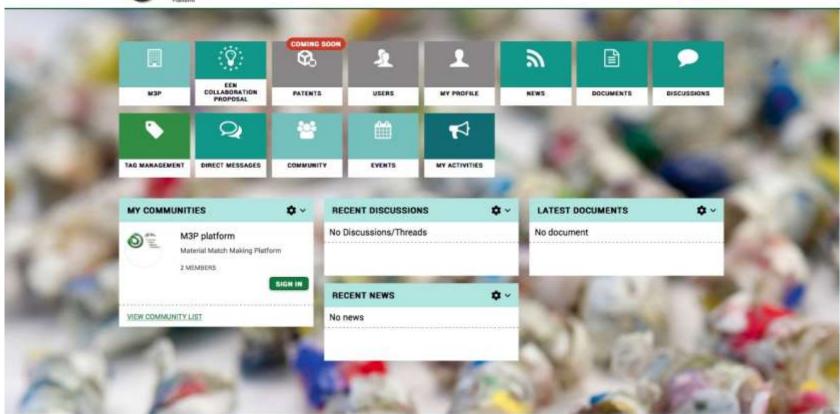- Artificial Intelligence search with semantic rules (IN NEXT RELEASE)

LIFE M3P Platform

WASTE AND TECHNOLOGIES MATCHING POINT
WWW.MATERIALMATCH.EU

THANKS FOR ATTENTION