

Empowering women as champions of the Mediterranean's green transition



5 - 6
June
2023

#EUGreenWeek
PARTNER EVENT

6th June | Capacity building workshop - Promoting gender equality in R&I projects to drive the Mediterranean's Green Transition

Session 4: Case Studies and Best Practices

Oumaya Marzouk, Manager of circular economy projects, Cerema, France
coordinator of ENI CNC Med "RE-MED" project.



DyneDoc
Collaborative Platform



UNIVERSITÀ
DEGLI STUDI
DI PALERMO



AMERICAN
UNIVERSITY
OF BEIRUT



Republic of Lebanon
Ministry of Environment



Thematic objective: A.2 Support for education, research, technical development and innovation

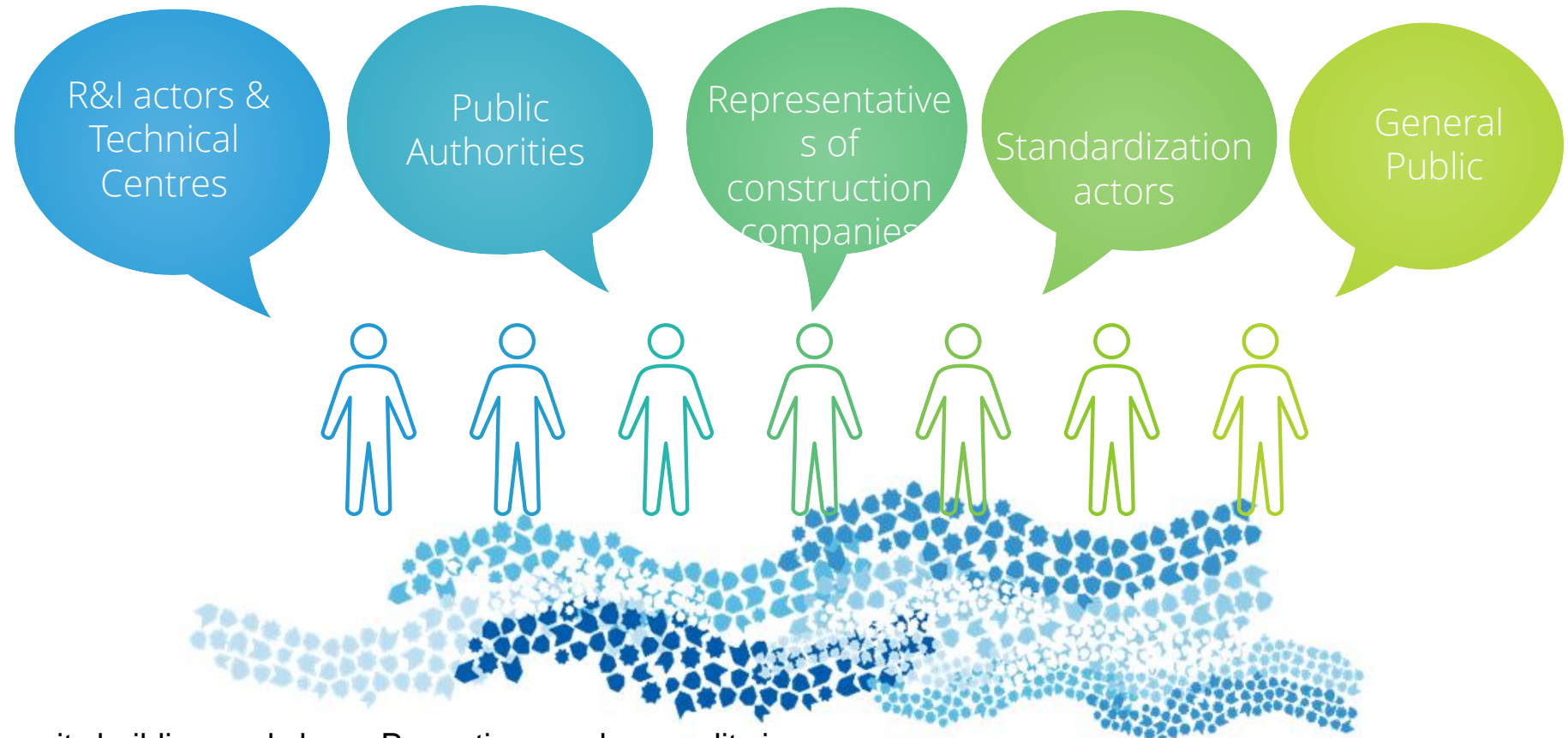
Priority: A.2.1 Support to technical transfer and commercialization of research results

Total budget: 3,1M€ (90% EU)



Lebanese
Contractors
Syndicate for
Public Works &
Building

RE-MED connects key players of the value chain of construction and demolition waste recycling for sustainable roads in the Mediterranean





Laboratory tests and an Experimental road to **proof the concept** and open the **NEW Market** of recycled construction and demolition waste, **with the support of MINISTRIES in Lebanon and Tunisia**



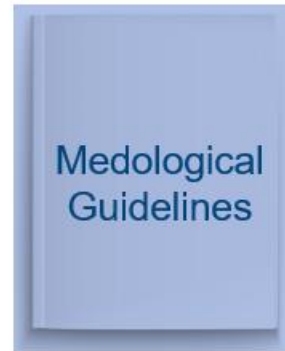


Publication of 7 scientific papers, Participation to more than 12 conferences, shows, workshops for academics, SMEs in construction sector, collectivities to share RE-MED results





New Guidelines, rules, standards and economic models to initiate de market of recycled construction and demolition waste for SMEs





Trainings and technical visits for partners and workshops for knowledge transfer to partners, SMEs and students giving the chance for the new generation





Unique Collaborative **E-Platform** that connect SMEs of construction and demolition waste value chain « **RE-MED Community** »

Recycled Material supplier – Recycled material transporter - Road contactor – Road owner – collectivity – Technical Centers – University – Experts – **where Citizens become actors**

RE-MED Community

RE-MED Community : Une communauté engagée en faveur de l'économie circulaire appliquée aux ouvrages routiers
Innovation et développement pour des projets plus durables

Les opportunités autour du projet

<p>Ouvriers</p> <p>Les personnes qui réalisent les travaux de construction, de réparation ou de maintenance des infrastructures routières.</p>	<p>Équipe informatique</p> <p>Les personnes qui gèrent les données et les outils numériques utilisés dans le projet.</p>	<p>Agents de terrain</p> <p>Les personnes qui sont en contact direct avec les acteurs du terrain et qui collectent des données.</p>
<p>Responsables écologie et recyclage</p> <p>Les personnes qui assurent la gestion des déchets et la mise en œuvre de solutions durables.</p>	<p>Responsables financiers</p> <p>Les personnes qui gèrent les aspects économiques et financiers du projet.</p>	<p>Superviseurs</p> <p>Les personnes qui surveillent l'avancement des travaux et assurent la qualité des réalisations.</p>
<p>Des Formations</p> <p>Les personnes qui participent à des ateliers de formation et de partage de connaissances.</p>	<p>Des Appels d'offres</p> <p>Les personnes qui lancent des appels d'offres pour sélectionner des prestataires.</p>	<p>Des Offres de Matériel</p> <p>Les personnes qui proposent des services ou des équipements nécessaires au projet.</p>

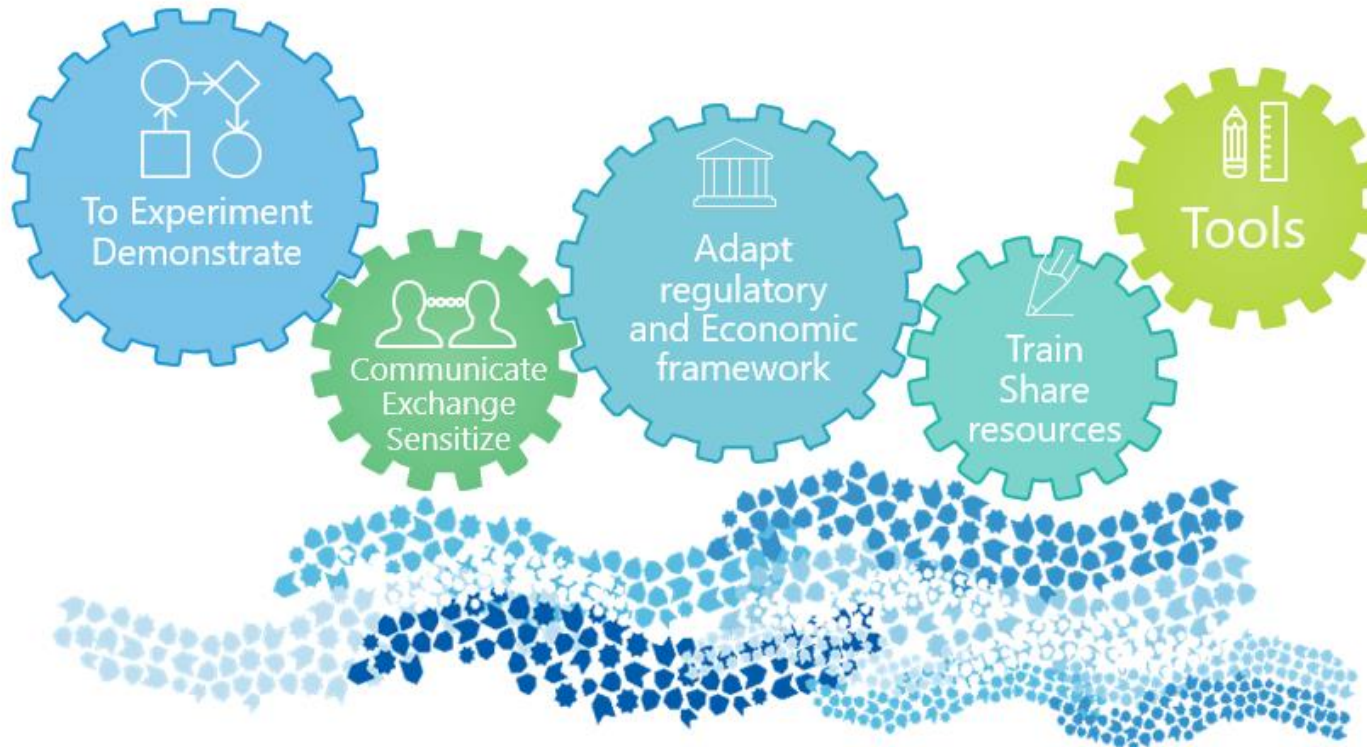




Financial & technical supports through Subgrants for construction and demolition waste recycling plants – 1 SME in Lebanon



RE-MED is ACTING to IMPLEMENT Circular economy for the GREEN TRANSITION in the Mediterranean





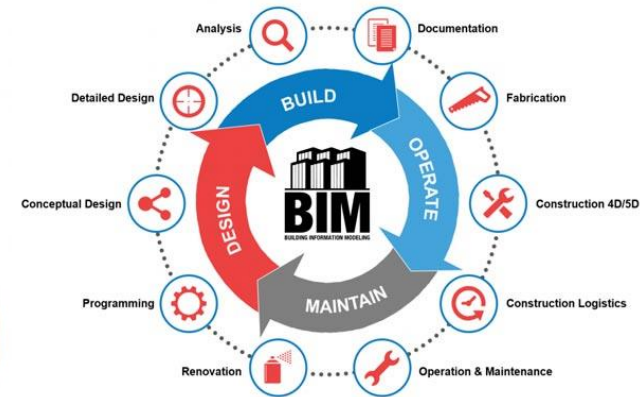
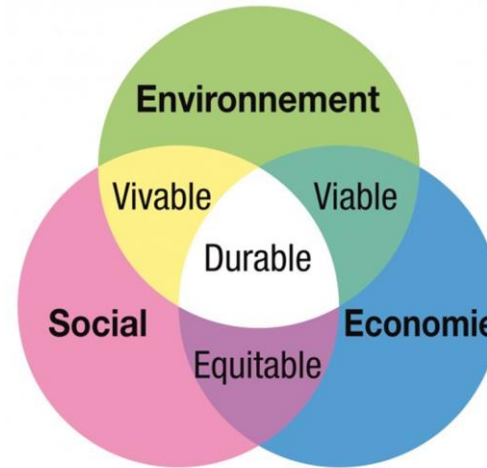
Credit photo : Eurovia

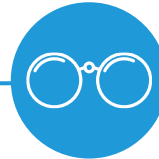


Credit photo : USIRF



Credit photo : Eurovia

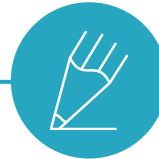




Innovative Road

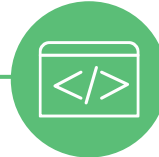
Experimentation at lab & full scales

Geotechnics, characterization of road materials (aggregates, bitumen), formulation of bituminous mixes, recycling of construction & demolition waste, Road design, BIM



Environmental Impacts

Life cycle assessments



Rules and standards

Technical committee



Training

Summer schools

We are working together, by sharing our expertise in R&I to develop the circular economy of construction and demolition waste, for the construction and the maintenance of sustainable roads in the Mediterranean



8 mars
Journée de
la femme

RE-MED

**Roua
ZARROUK**
Ingénieure Principale
CETEC - Tunisie

"Impliquée dans la construction d'une route expérimentale innovante intégrant des matériaux recyclés"

8 mars
Journée de
la femme

RE-MED

**Oumaya
MARZOUK**
Coordinatrice du projet
Re-MED
Cerema - France

"Mobilisée pour une coopération transfrontalière au service de l'économie circulaire en Méditerranée"

8 mars
Journée de
la femme

RE-MED

**Antoinette
ABOU JAOUDE**
Etudiante Master
American University of
Beiruth - Liban

"Engagée pour le développement de modèles économiques circulaires des déchets de démolition"

8 mars
Journée de
la femme

RE-MED

**Bouhra
BARAKAT**
Doctorante
AUB - Liban

"Engagée dans l'optimisation des stratégies et des logistiques de recyclage des déchets issus de la construction et démolition"

8 mars
Journée de
la femme

RE-MED

**Souhir
LADHARI**
Cheffe de projet Re-MED
Ministère de
l'Environnement de Tunisie

"Investie dans la réduction des impacts environnementaux liés à la gestion des déchets de démolition"

8 mars
Journée de
la femme

RE-MED

**Mireille
SAMAHA**
Assistante administrative
Syndicat Libanais des
entrepreneurs du BTP

"Investie dans la coordination des acteurs du BTP libanais avec les centres techniques et de recherches"

#WOMED

MEDITERRANEAN WOMEN FOR A SUSTAINABLE CONSTRUCTION SECTOR



#IWD2023

#EMBRACEEQUITY



Roua Zarrouk is a civil engineer in Tunisia
She is the head of road department at
CETEC (Centre d'Essais et des Techniques
de la construction) Re-MED Tunisian
partner

Oumaya Marzouk,
Start my studies in Tunisia in Chemistry
Then she obtained her PhD in process engineering and
Master degree in business administration, in France



Researcher for 15 years in industrial waste recycling in
road application, then manager of circular economy
projects at Cerema

Coordinator of RE-MED project

French national expert in road infrastructure,
recycling, circular economy

Laura Inzerillo,
Start my studies in Italy on survey and 3D
representation by laser scanner and
photogrammetry and drone, reverse engineering,
descriptive geometry and BIM

Researcher for 23 years in the university of Palermo,
department of engineering

Leader of WP4 of RE-MED project





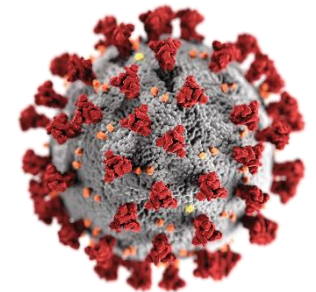
- ❖ Working hard, 2, 3x more than men to be recognized and accepted in certain professional circles
- ❖ Expertise & knowledge are not sufficient whether in France or Tunisia
- ❖ Road sector is traditionally a men sector...
- ❖ Education sector is traditionally a women sector

- ❖ Support of our parents, husband, children
- ❖ Time and relation with our colleagues and managers to gain respect and recognition as experts
- ❖ Always be yourself, as a women

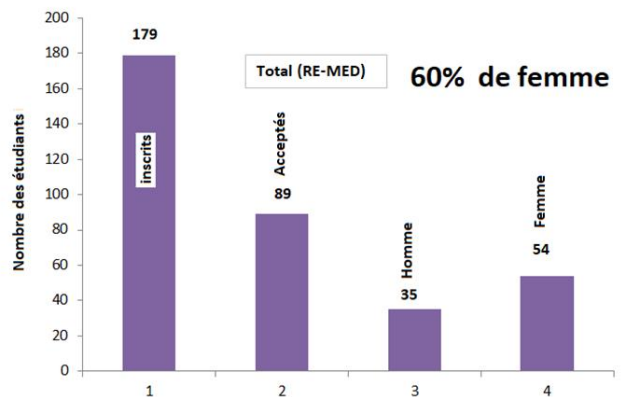
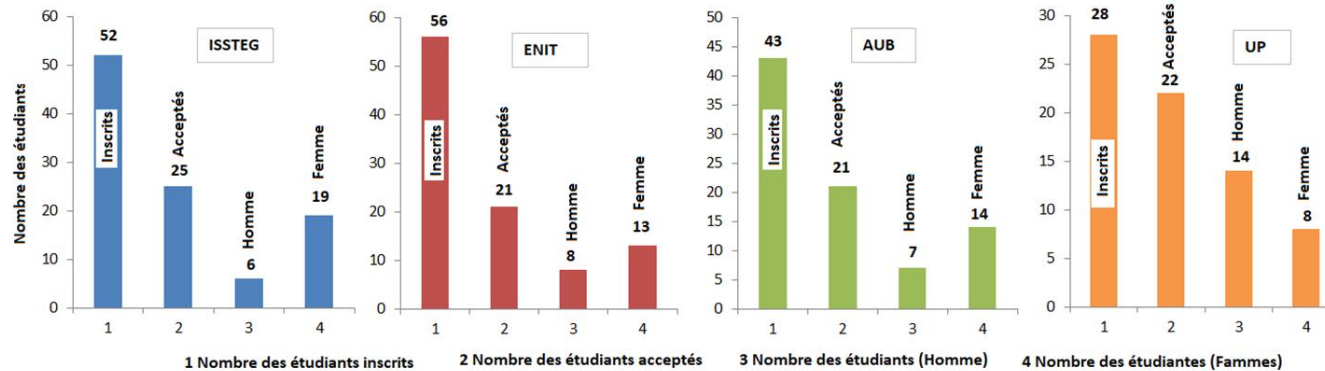


In RE-MED project, adaptation to women

- ❖ No meeting on Wednesday (Mom day!)
- ❖ More attention for mothers with young children, especially those born during COVID
- ❖ Or with no husband by her side



RE-MED project trains new generation to make changes inside



32% Doctorant, 40% Ingénieur et 28% Master

Spécialités des participants

- Génie civil
- Géologie
- Géotechnique
- Mécanique énergétique
- Management
- Géo-matériaux

RE-MED project trains new generation to make changes inside



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RE-MED project trains new generation to make changes inside



RE-MED project share feminine research in the field of civil engineering



On the occasion of **women's day 2022**

you are invited to the conference

FEMININE RESEARCH
in the field of
CIVIL ENGINEERING

Chairman: Prof. Elhem GHORBEL
contact: elhem.ghorbel@cyu.fr

online and in person

Valorization and Reuse of Materials, Life Cycle Analysis, Bio Sourced Materials

8 March 2022
8h15 - 17h50
Auditorium de la Maison Internationale de la Recherche - CYU Site de Naulleu
1 Rue Descartes, 92000 Nanterre-sur-Seine

 Scan
Registration/Program



 **CY UNIVERSITÉ**

 **L2MGC**
Laboratoire de Mécanique
Géométrie des Solides

 **ADVANCED STUDIES**

Ce projet a bénéficié d'un financement de l'Union Européenne, Programme ENI CBC Med, Éducation, recherche, développement technologique et innovation, au titre de la convention de subvention n°28/1682

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**EUROPEAN
YEAR OF
SKILLS**

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