

Il progetto MED REMEDIO e le sue opportunità: networking internazionale e sinergie con le istituzioni locali

Francesca Liguori, Coordinatore Scientifico progetto REMEDIO
per conto di tutto lo staff di ARPAV

Indice

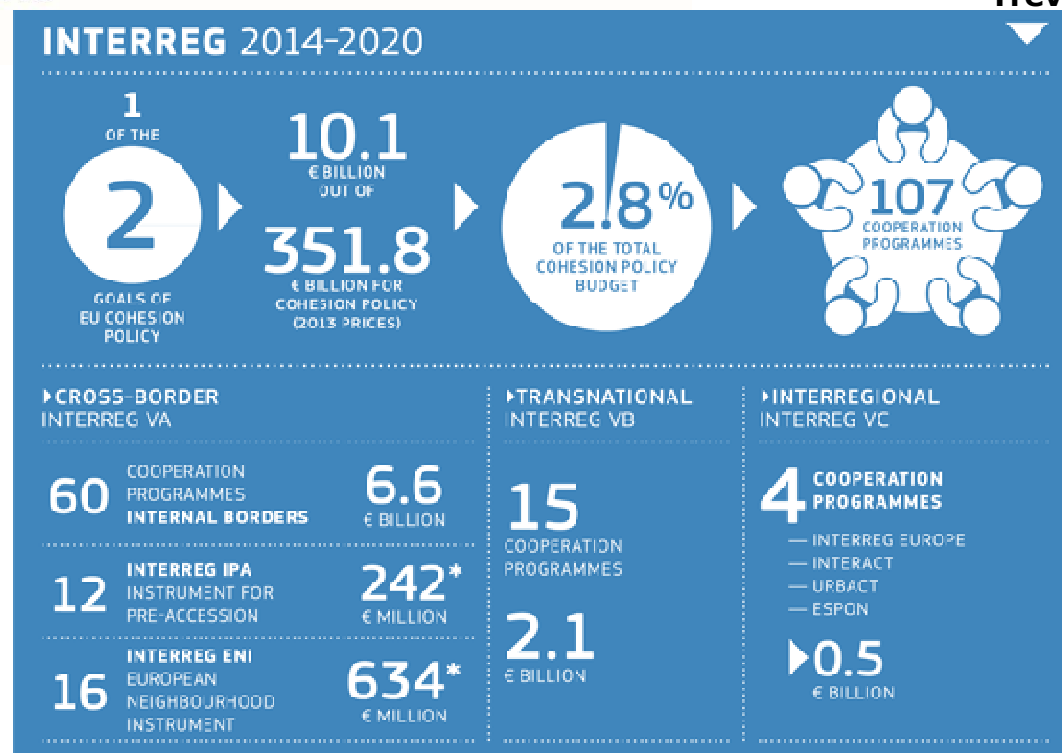
Il contesto europeo in cui è stato finanziato il progetto

Il progetto MED REMEDIO

Il network tematico internazionale

Sinergie con altri progetti internazionali

Sinergie con gli obiettivi perseguiti dalle
istituzioni locali e politiche pianificatorie



Research and Innovation



Combating climate change



Employment and Mobility



Information and Commu-
nication technologies



Environment and
resource efficiency



Social inclusion



Competitiveness of SMEs



Sustainable transport



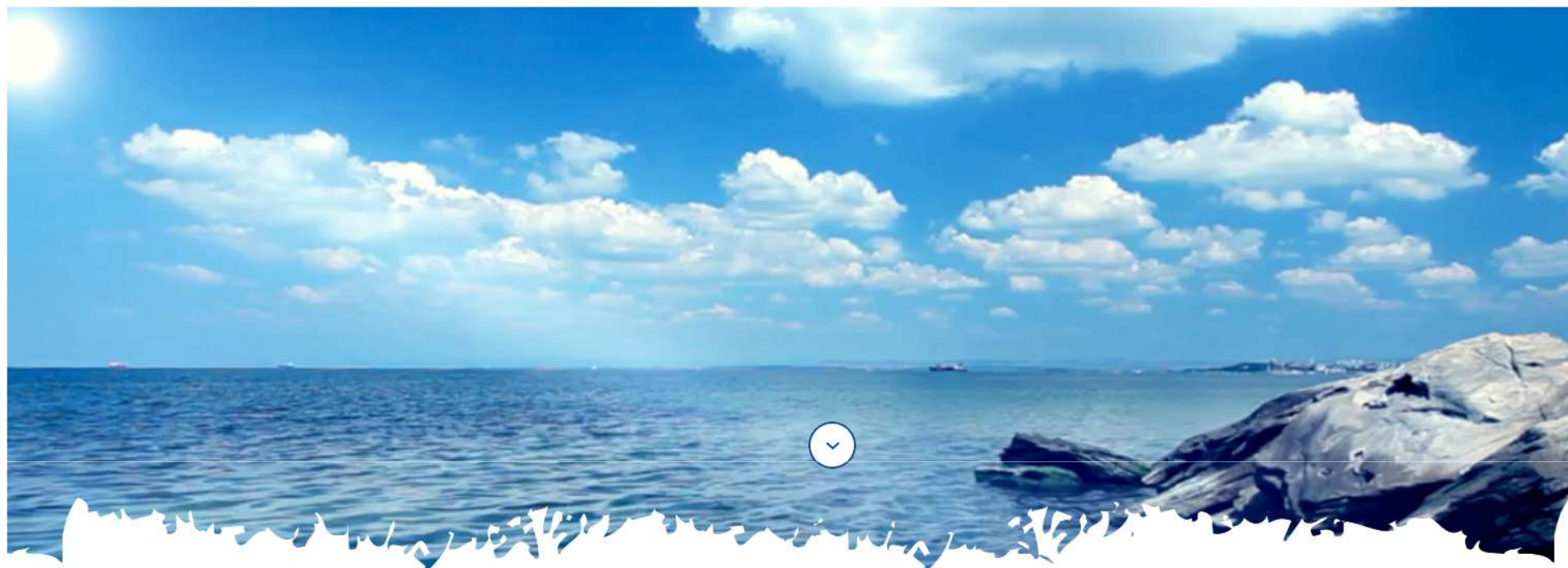
Better education, training



Low-carbon economy



Better public
administration



69

Projects

136

M€ invested so far

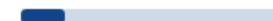
633

Partners

Partners from Italy



Partners from Spain



Partners from Greece

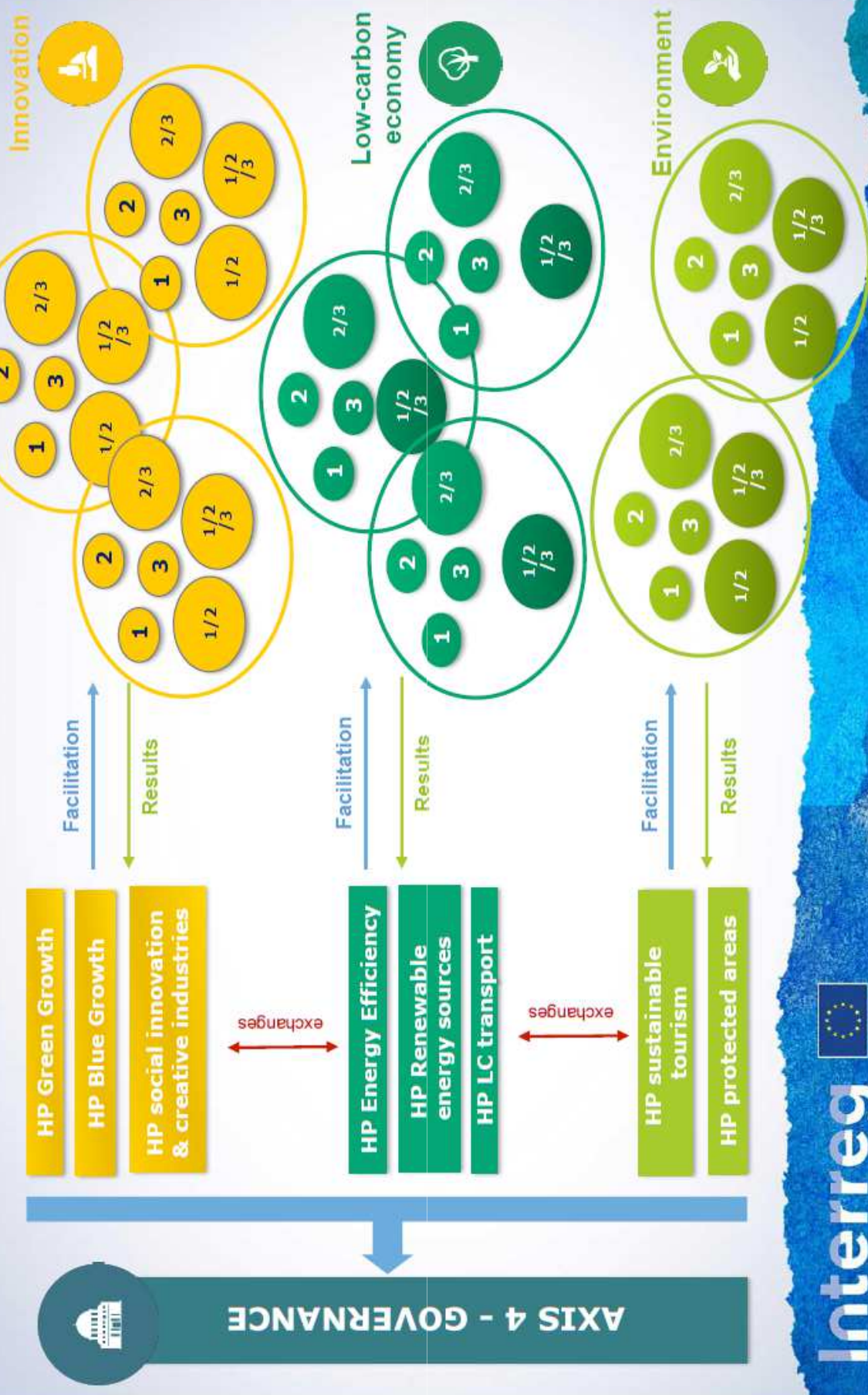


Others



<https://interreg-med.eu/>

Interreg MED Programme Architecture



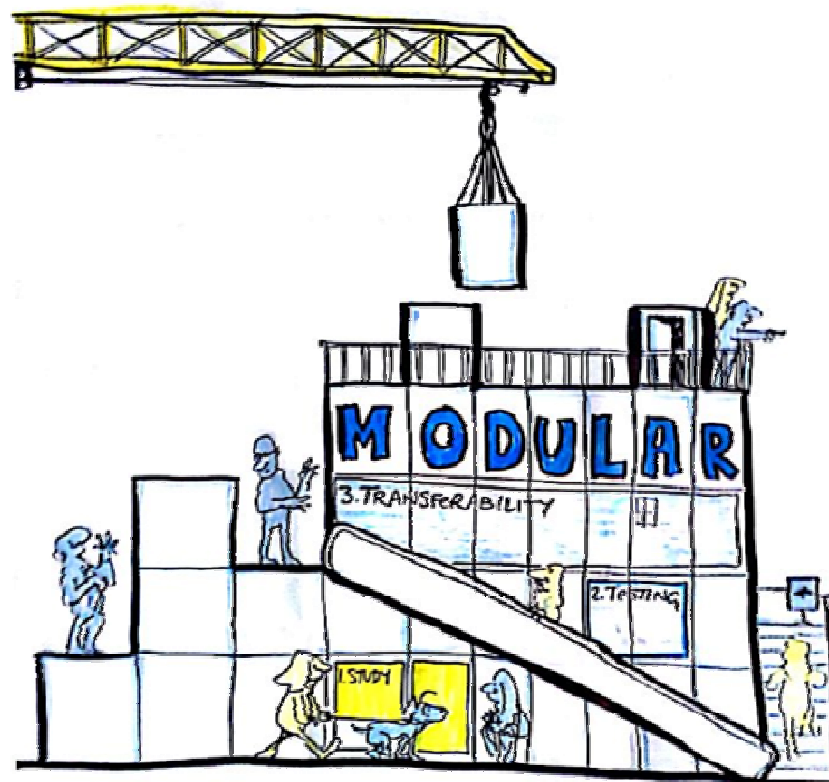
Interreg
Mediterranean

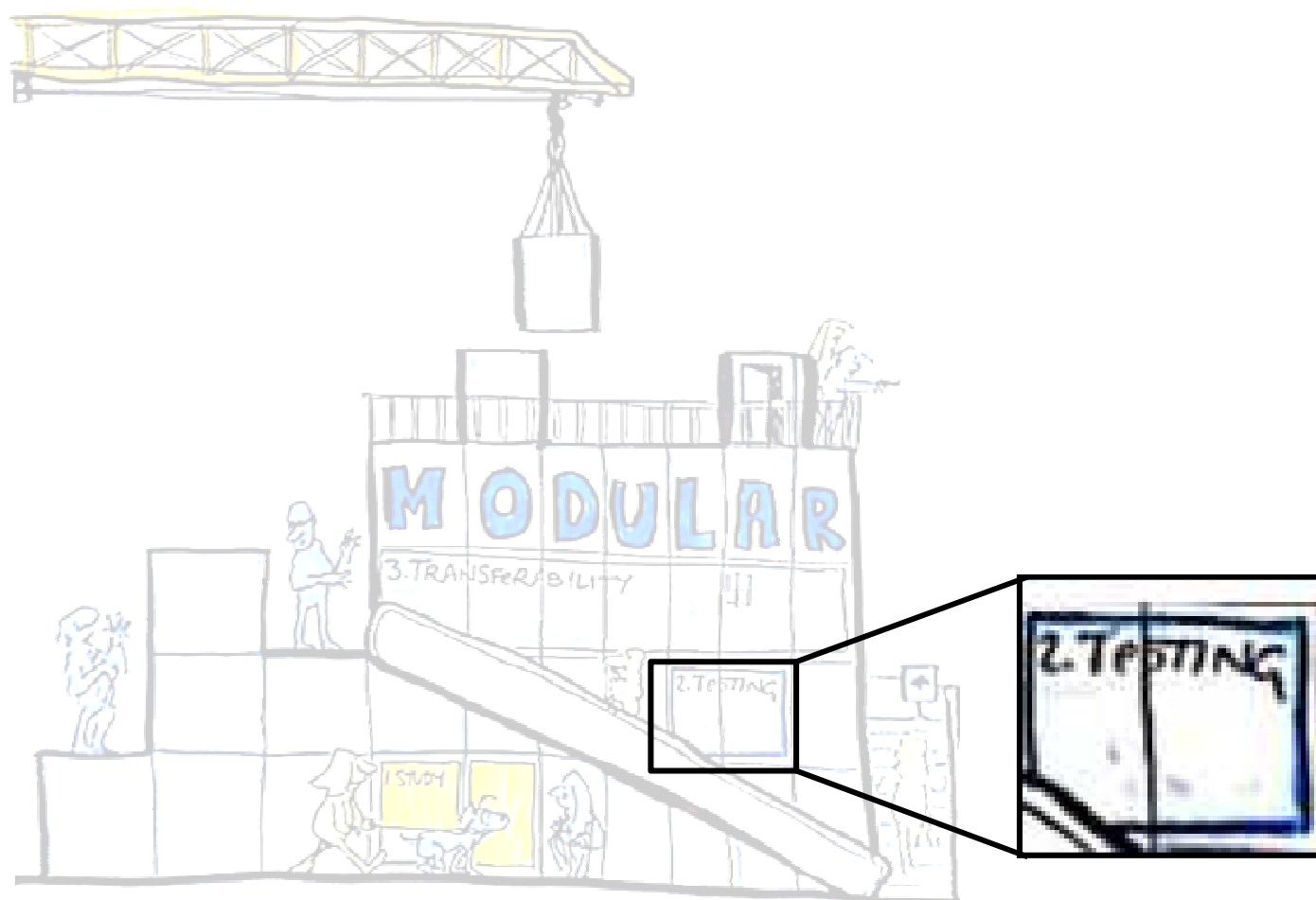


Axis 2 – Low Carbon Economy

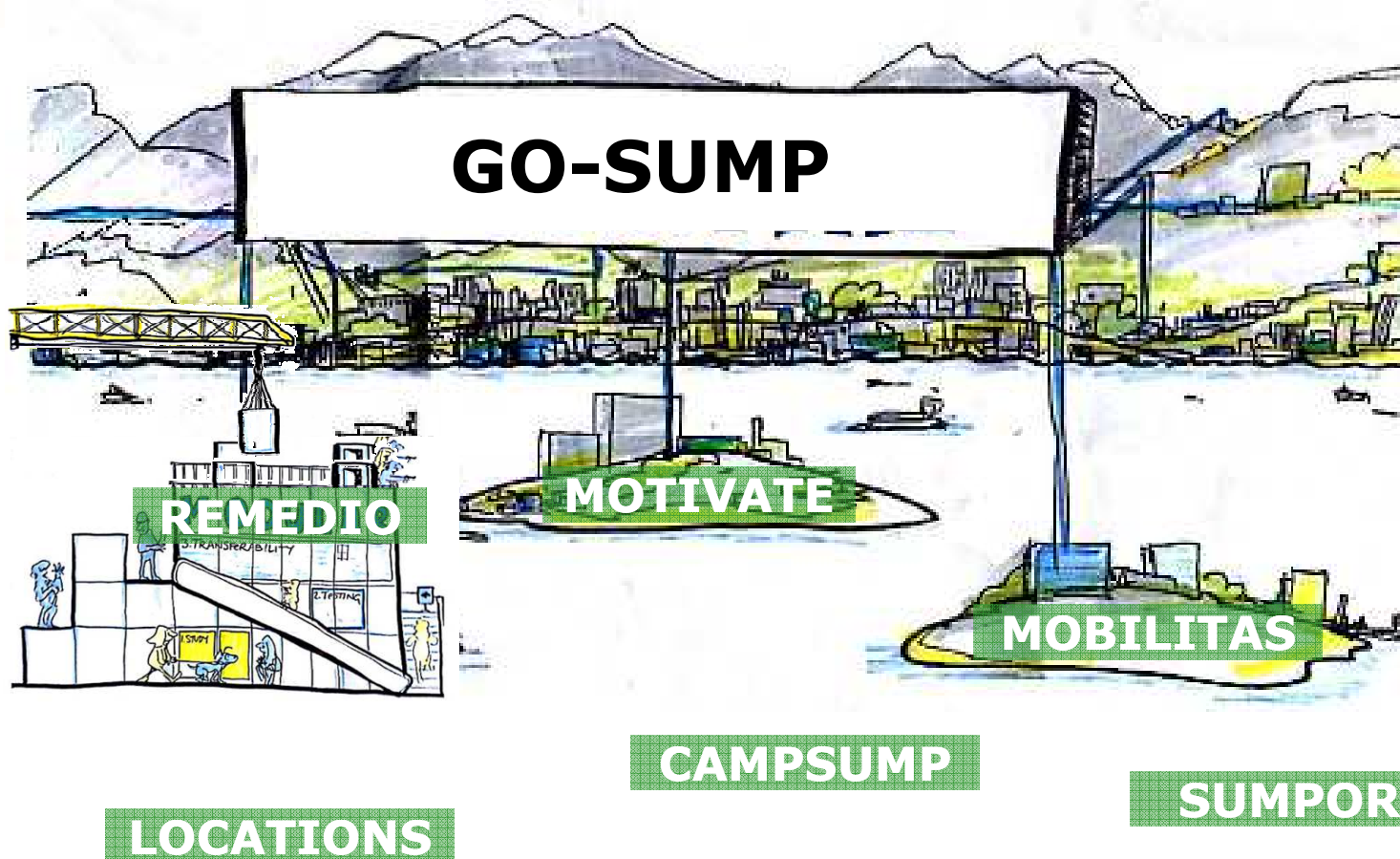
S.O. 2.1	To raise capacity for <u>better management of energy in Public Buildings at transnational level</u>	MEDNICE
Result Indicator	Share of <u>regional, subregional and local energy efficiency plans</u> including adapted measures for public building stock	
S.O. 2.2	To increase the share of renewable local energy sources in energy mix strategies and plans in specific MED territories.	
Result Indicator	Share of <u>renewable energy from local sources in energy mix of MED islands and rural areas.</u>	GREENCAP
S.O. 2.3	To increase capacity to use existing low carbon transport systems and multimodal connections among them	
Result Indicator	Share of urban plans including low carbon transport and multimodal connection soft actions	GO SUMP

6 Projects
61 Partners
12 Countries









2.3 The Interreg MED Community on Urban Transport

THE GO SUMP PARTNERSHIP

MALAGA CITY
COUNCIL
Cities- CAT MED

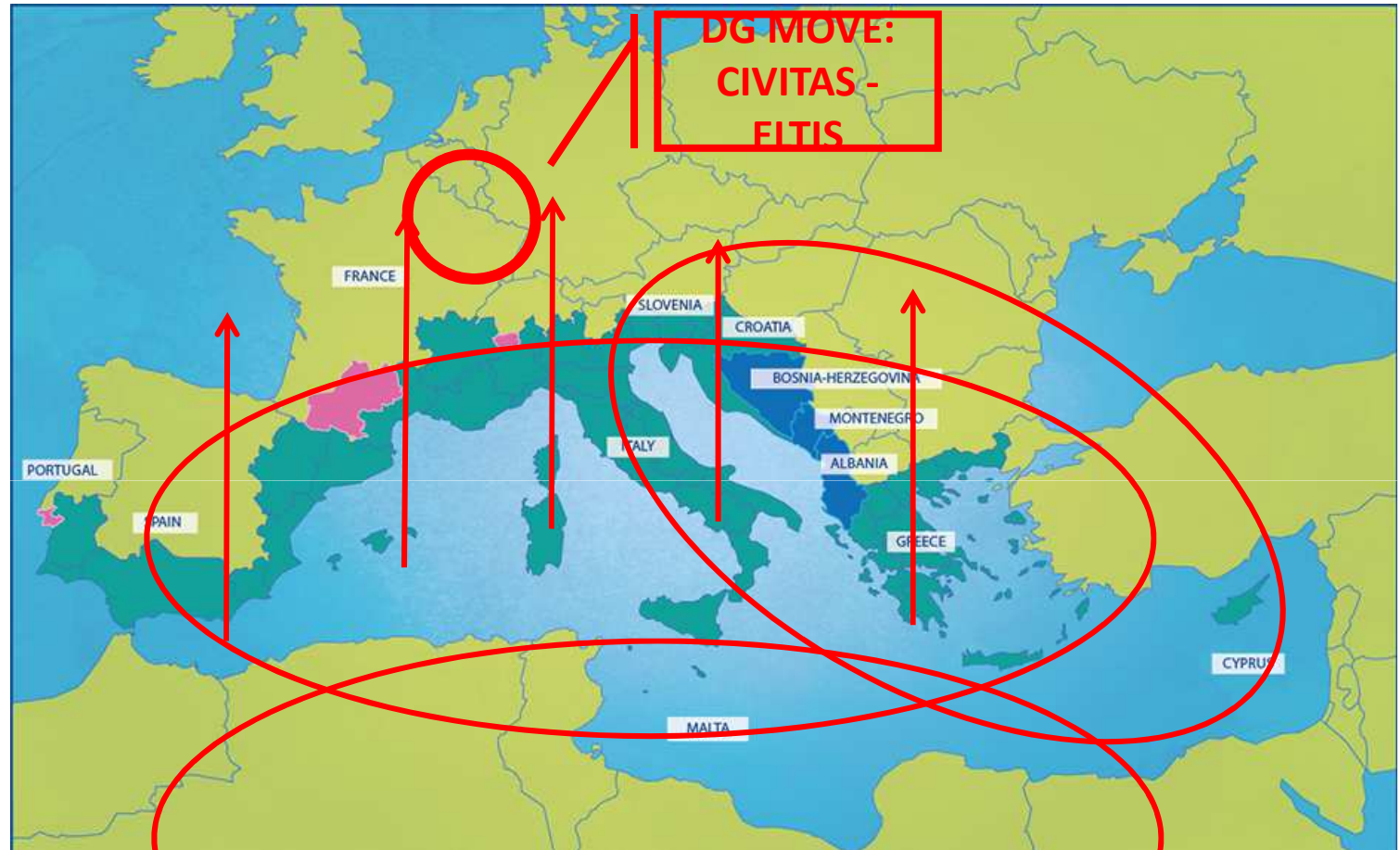
BARCELONA
METROPOLITAN AREA
Cities – MED CITIES

UNIMED (Rome)
Scientific Community

CODATU (Lyon)
Sectorial Community

REC SLOVENIA
Environment-Ext.
Comm.

EUROCITIES
Capitalization &
Mainstreaming



URBAN TRANSPORTS



URBAN TRANSPORTS

INCREASING LOW CARBON URBAN TRANSPORT SYSTEMS

INCREASING LOW CARBON URBAN TRANSPORT SYSTEMS

Increase in population during touristic seasons is changing Mediterranean cities. They come unprepared and need to adapt to provide sustainable transit systems between the city centre, the port and the neighbourhood, while preserving their natural and cultural heritage, particularly their historical centres and social cohesion.

Projects co-financed under this thematic shall especially address issues related to the use and access to [low carbon transport](#) systems for the different categories of population and territories. Projects shall develop joint actions across MED countries directed to support public transport services for multimodal passengers (urban transport, rail/maritime/aviation).

<http://interreg-med.eu/thematics/urban-transports/>

REgenerating mixed-use MED urban communities congested by traffic through Innovative low carbon mobility sOolutions

Le città di REMEDI0

Riqualificazione
di **comunità**
urbane
congestionate
dal **traffico**
attraverso
soluzioni per la
mobilità a
basso tenore
di **carbonio**



Chi siamo

Partner territoriali

- ✓ Comune di Treviso (IT)
- ✓ Agenzia dello sviluppo metropolitano di Salonicco (EL)
- ✓ Città di Spalato (HR)
- ✓ Comune di Loures (PT)

Istituzioni Scientifiche

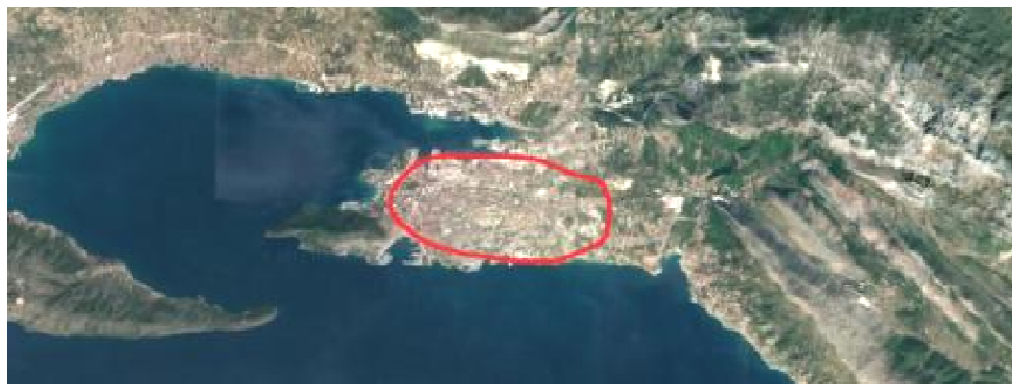
- ✓ ARPA Veneto (IT)
- ✓ Università Aristotele di Salonicco (EL)
- ✓ Istituto Tecnico Superiore di Lisbona (PT)
- ✓ Università di Siviglia (SP)

Partner Associati

- ✓ **Comuni di Villorba (IT), Siviglia (SP), Salonicco (EL), Kalamara (EL), Pavlos Melas (EL)**
- ✓ **Provincia di Treviso (IT), Città Metropolitana di Venezia (IT), Contea di Spalato-Dalmazia (HR),**
- ✓ **Regione Veneto: Direzione Ambiente e Direzione Ricerca, Innovazione ed Energia (IT)**
- ✓ **Associazione Artigiani della Marca Trevigiana (IT)**
- ✓ Agenzia del Trasporto Pubblico Locale di Salonicco (EL)
- ✓ Agenzia dei Servizi Acque e Rifiuti di Loures (PT)
- ✓ **Climate Alliance (IT)**

Le aree pilota di **REMEDIO**

Spalato (HR)



Treviso (IT)



Loures (PT)



Salonicco (EL)



REMEDI: un progetto test in 3 fasi

1. Territorial partners implement **soft actions** on low carbon mobility solutions (i.e. **SUMPs**, **bike and e-bike sharing network**; **bicycle parking areas**, **bus rapid transit**, **multi modal public transport optimizations**, **green-taxiway**, **safety road infrastructure for bus stops**).

2. Scientific partners jointly implement an **Integrated Modelling Tool** [**energy transport efficiency**, **noise impact**, **air pollution emissions & carbon footprint**, **air pollution dispersion & freight streamlining module**, **cost & health effects**]

which is used to **simulate the pilot activities** in the cities, resulting in a set of **scenarios** on their **present** and **future** mobility and environmental settings.

3. The city communities are engaged in testing an operational path towards a **participatory governance** such as **"horizontal condominiums"** or **"road contracts"** that will lead to higher environmental and mobility performances.

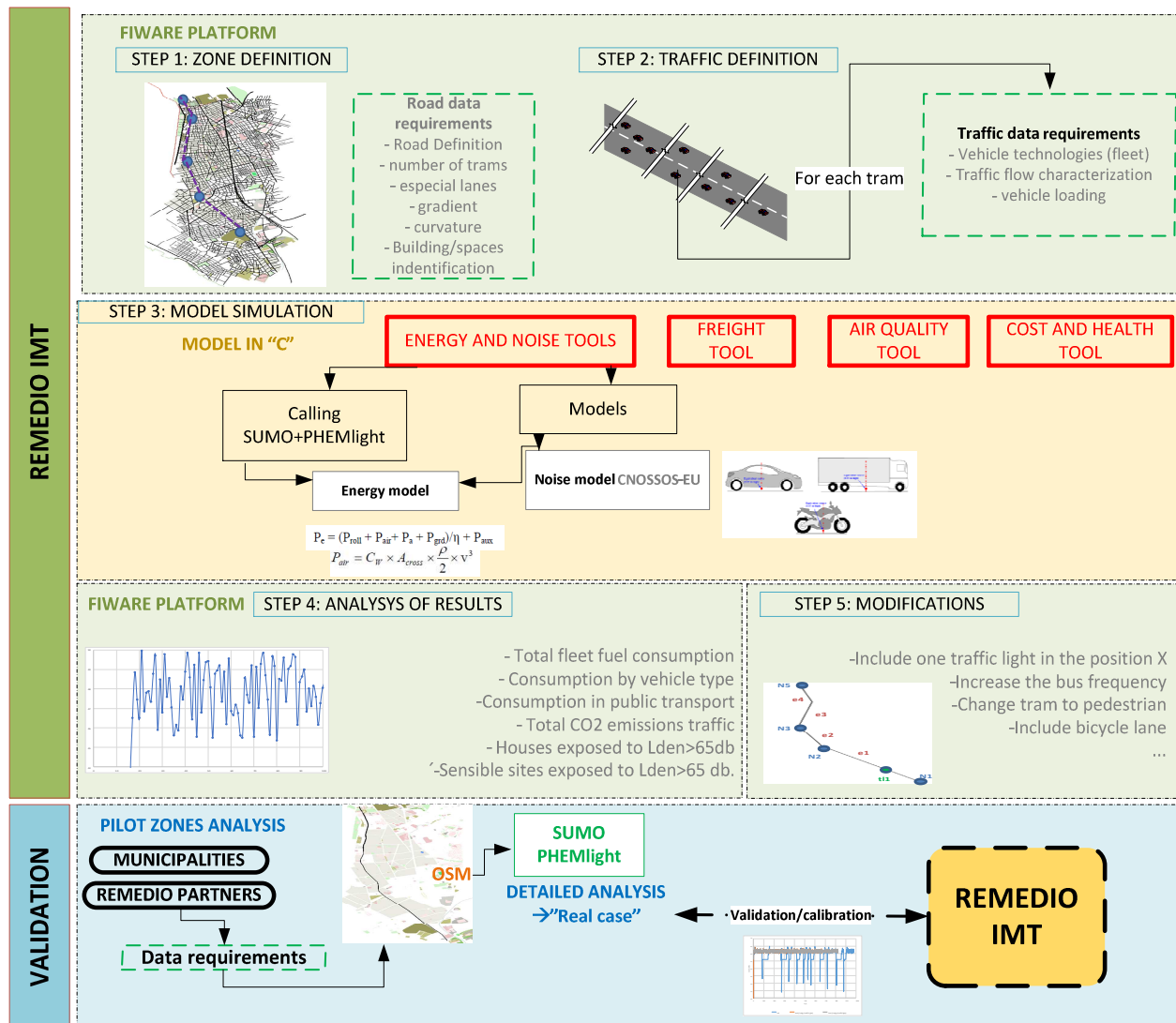
Azioni pilota (infrastrutture di piccolo scala)



Simulazione di soluzioni a basso tenore di carbonio nelle aree pilota

L'approccio modellistico integrato

The FIWARE
platform providing
set of APIs (Application
Programming Interfaces)
for the development of
Smart Applications in
multiple vertical sectors.
<https://www.fiware.org/>



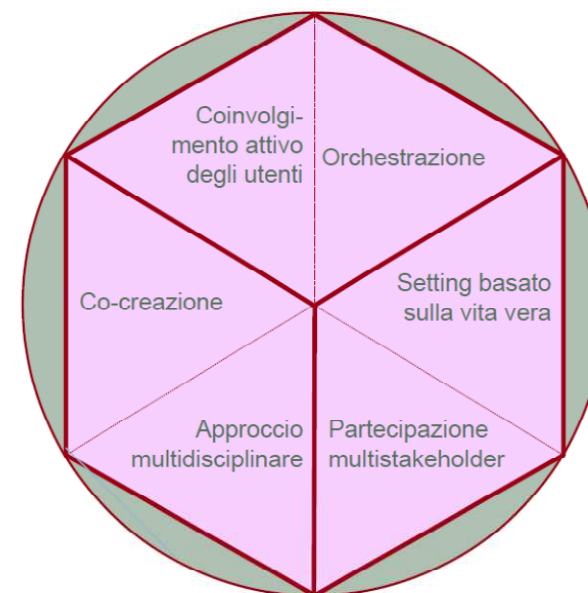
La governance partecipata



Accordi di programma
Protocolli d'Intesa
Convenzioni

per contribuire nel medio termine
ad azioni concrete verso soluzioni innovative
di mobilità a basso tenore di carbonio

GOVERNANCE



... verso una *living lab* (Mitchell, et al. 2010, MIT) ?

Educazione Ambientale e sensibilizzazione



Seminari internazionali di approfondimento

Tematiche

- Intelligent Transport Systems
- Improved urban logistics
- Quality of life – Social issues (e.g. noise reduction, citizens education, passenger rights, access to information)
- Innovative infrastructures (e.g. a new design of roads)



- Emissions + footprint + air quality
- Alternative modes of transport (e.g. car sharing, on demand transport, electric bikes, pedibus)
- Inter-modality
- Urban road safety
- Health/Cost issues



A sustainable
neighborhood is.....

... a neighborhood with
a strong local identity

... a neighborhood
totally integrated with
the surroundings

... a participated
neighborhood

... a neighborhood
where it is foreseen the
reduction, re-use and
recycle of waste.

... a neighborhood
using renewable
energies

... a neighborhood
which fosters public
transportation



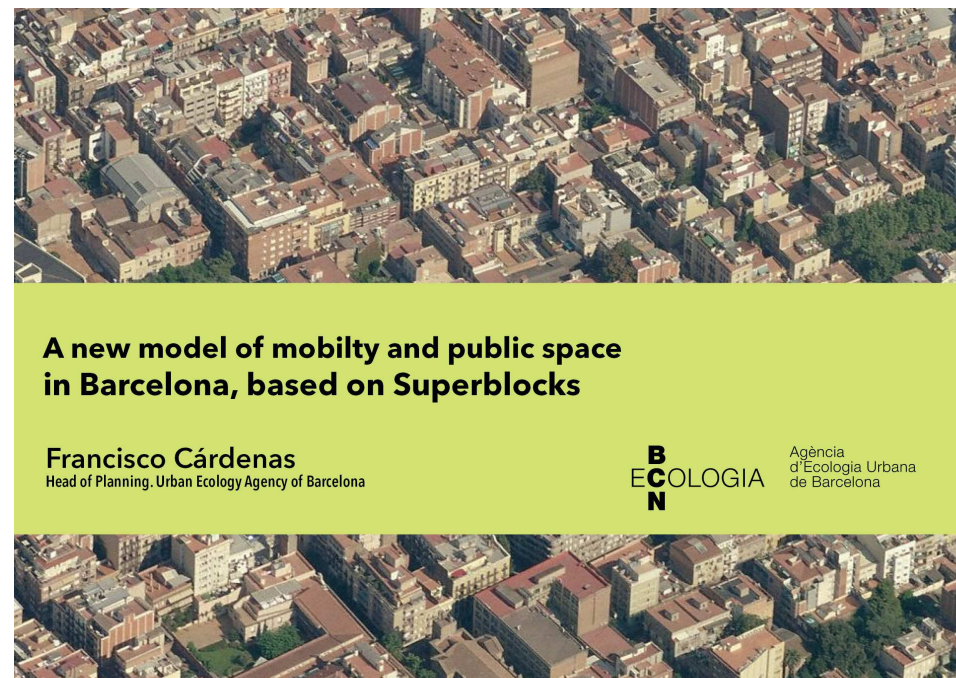
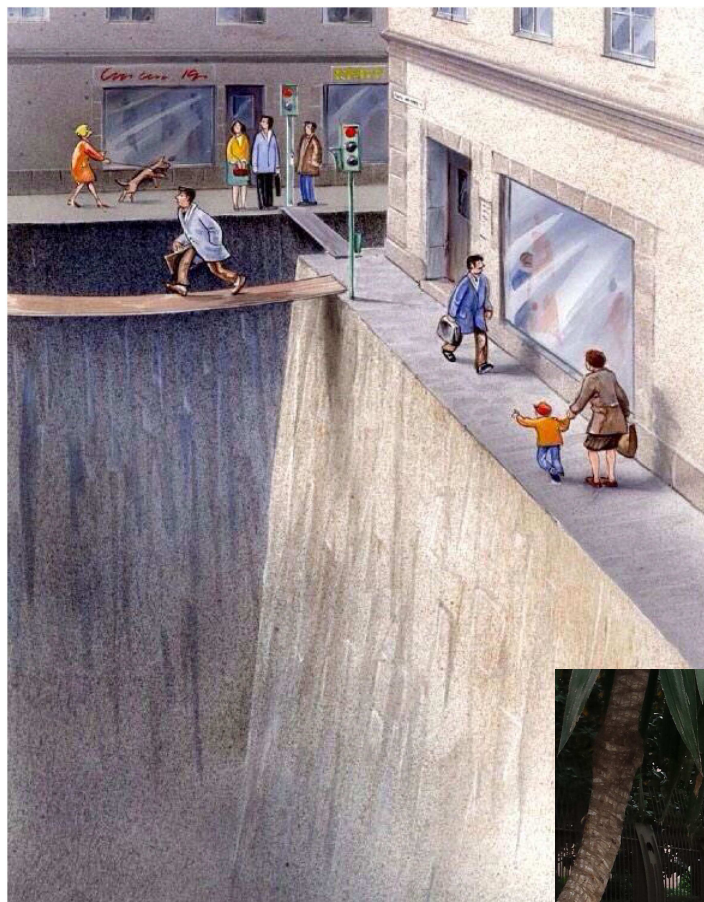
... a neighborhood with
high levels of social
inclusion

... a neighborhood
which reduces energy
and water consumption

... a neighborhood
which fosters
environment weelness

... a neighborhood
which fosters local
economy

... a neighborhood
which recovers its
relations with the
vegetation and the sea



“Non-motorised Transport and Transport
Energy efficiency as challenges for road traffic
congestion and air quality improvements in
the Mediterranean Cities”
REMEDIO Workshop, Seville 18th May 2017



➤ BENEFITS FOR VEs

- **Access to restricted areas of the historical city centre.**
- **Bonus rates for EV parking:**
 - 45 minutes in the underground municipal parkings.
 - Surface parking (SARE).
- **Reserve public parking spaces.**
- **75% annual tax bonus (I VTM).**

“Non-motorised Transport and Transport Energy efficiency as challenges for road traffic congestion and air quality improvements in the Mediterranean Cities”

REMEDIOWorkshop, Seville 18th May 2017



Alfonso Palacios - Urban Environment Observatory



Málaga City Council

TECNOPORT 2025

A project for freight logistics in the port of Seville

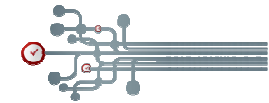
José Antonio Delgado jadelgado@us.es



"Non-motorised Transport and Transport
Energy efficiency as challenges for road traffic
congestion and air quality improvements in
the Mediterranean Cities"

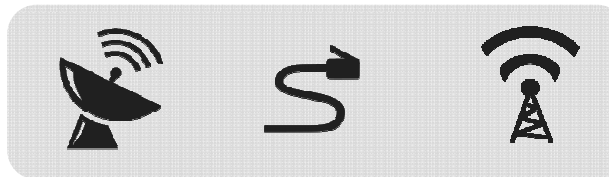
REMEDIO Workshop, Seville 18th May 2017

ENABLING TECHNOLOGIES



Sensor network

- **Send data**
 - Periodic data
 - Alarms/Events
 - Public, open and expandable
 - Bidirectional
 - Low power consumption
-
- **Collaborative**
 - 802.15.4
 - IP
 - 3G





Project co-financed by the European
Regional Development Fund

Workshop REMEDIO Project
within the local initiatives of the
Sustainable Energy Week 19-25 June 2017
23 Giugno 2017,
Museo Bailo, Borgo Cavour 24
Treviso (IT)

Networking



THE CIVITAS INITIATIVE
IS CO-FINANCED BY THE
EUROPEAN UNION



CAT-MED Platform
for Sustainable Urban Models
- Partners -



 **Founding**
Members

 **Members**

100 **RESILIENT** CITIES

Progetti tematici in corso con la partecipazione di partners di REMEDI:

- **LIFE Index-Air** for the development of an Integrated Exposure – Dose Management Tool for Reduction of Particulate Matter in Air (LIFE15 ENV/PT/000674) - **Leader IST, Lisbon**
http://ec.europa.eu/environment/life/project/Projects/index.cfm?fuseaction=search.dspPage&n_proj_id=5922
- **LIFE PREPAIR "Po Regions Engaged to Policies of AIR – PP ARPAV, Padova** <http://ambiente.regione.emilia-romagna.it/aria-rumore-elettrosmog/temi/pair2020/per-approfondire-pair/progetto-life15-ipe-it-013-prepair-201cpo-regions-engaged-to-policies-of-air/view>
- **ClimACT** (Interred SUDOE programme)- **Leader IST, Lisbon**
collaboration in transport module and in awareness campaigns related to sustainability.
- **CAMS** providing a wide service on European air quality analyses and forecasts at European scale <https://atmosphere.copernicus.eu/> **AUTH, Thessaloniki**

Gruppo di lavoro ARPAV per REMEDIO

Salvatore Patti^[1], Project Manager

Lucia Da Rugna^[2], Financial Manager

Francesca Liguori ^[1], Coordinatore scientifico

Ketty Lorenzet^[1], Giovanni Paolini^[2], Sabrina Viale^[2]

Anna Gardellin^[3], Wally Morello^[3], Cristina Verzotto^[3],

Maria Carta^[3], Riccardo Guolo^[2]

Claudia Iuzzolino^[4], Massimo Bressan^[4],

Maria Rosa^[4], Franco Andolfato^[4]

Giovanna Marson^[1], Silvia Pillon^[1], Alessio De Bortoli^[1]

Luca Zagolin^[1], Erika Baraldo^[1], Alberto Dalla Fontana^[1]

...

^[1] Osservatorio Regionale Aria

^[2] Direzione Amministrativa, monitoraggio progetti

^[3] Comunicazione ed Educazione Ambientale

^[4] Dipartimento di Treviso

Un ringraziamento speciale a Laura Susanetti, collega ORAR ora a Ca' Foscari, che ha contribuito in maniera determinante alla stesura della proposta progettuale



Project co-financed by the European
Regional Development Fund

Workshop REMEDIO Project
within the local initiatives of the
Sustainable Energy Week 19-25 June 2017
23 Giugno 2017,
Museo Bailo, Borgo Cavour 24
Treviso (IT)



Project co-financed by the European
Regional Development Fund

**This presentation is the outcome of a cooperation among
all REMEDIO partners**



More info:

REMEDIO Communication Leader
Marina Almeida-Silva
marina(at)ctn.tecnico.ulisboa.pt

REMEDIO Scientific Coordinator
On behalf of ARPAV, LP
Francesca Liguori
francesca.liguori(at)arpa.veneto.it

A breve, sito web:
<https://remedio.interreg-med.eu/>

