

**Interreg**  
ITALIA-SLOVENIJA



Fondo europeo di sviluppo regionale  
Evropski sklad za regionalni razvoj

# MUSE

Collaborazione Transfrontaliera per la **Mobilità Universitaria Sostenibile Energeticamente Efficiente**  
Čezmejno sodelovanje za trajnostno in energetske učinkovito mobilnost univerz

**Cross-border cooperation for the sustainable and energy-efficient mobility of universities**

## Public Presentation

Sala Cammarata, Università di Trieste

October 23rd, 2017



UNIVERSITÀ  
DEGLI STUDI DI TRIESTE



REGIONE AUTONOMA  
FRIULI VENEZIA GIULIA



RRA LUR  
regional development agency  
of ljubljana urban region

Unione Territoriale Intercomunale del  
**Noncello**



RRA severne Primorske  
Regijska razvojna agencija d.o.o. Nova Gorica

Univerza v Ljubljani



# MUSE: General Info

**Multidisciplinary project:** engineering, economics, social and political sciences

## Partnership:

- Università di Trieste (LP)
- Regione Friuli Venezia Giulia
- UTI Noncello
- University of Ljubljana
- RRA Severne Primorske
- RRA Ljubljana

## Associated partners

- Municipality of Trieste
- Municipality of Nova Gorica
- Municipality of Piran
- Trieste Trasporti S.p.a.
- AcegasApsAmga S.p.a.



UNIVERSITÀ  
DEGLI STUDI DI TRIESTE



REGIONE AUTONOMA  
FRIULI VENEZIA GIULIA

Unione Territoriale Intercomunale del  
**Noncello**

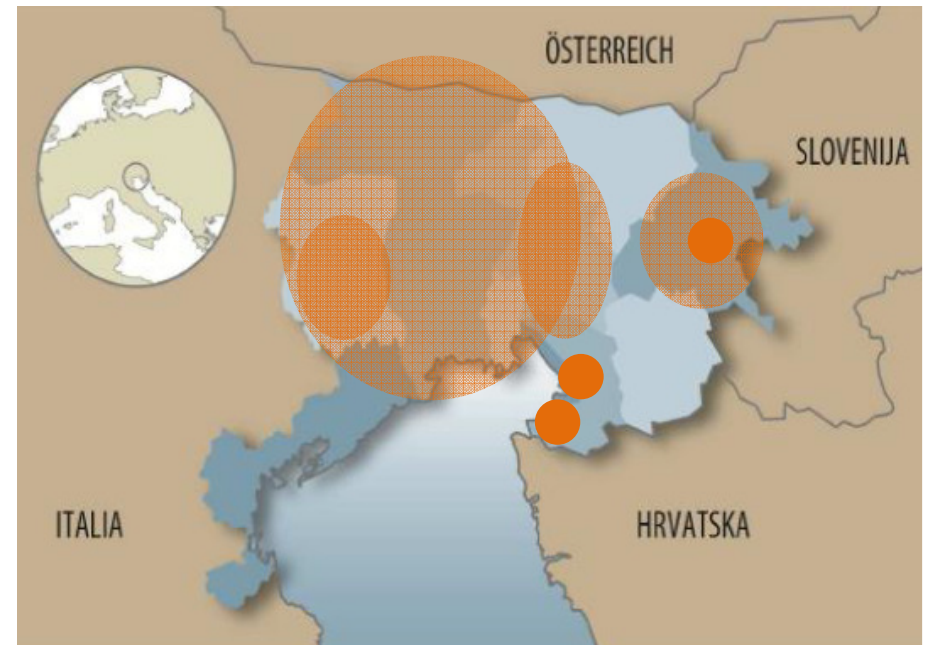
Univerza v Ljubljani



RRA LUR  
regional development agency  
of Ljubljana urban region



RRA severne Primorske  
Regijska razvojna agencija d.o.o. Nova Gorica



# MUSE: General Info

**Funding program:**

**Interreg**   
ITALIA-SLOVENIJA  
Axis 2, Priority 4e

*" Cooperation for the realization of  
strategies for the reduction of  
carbon emissions and action plans"*

**Total Budget:**

€ 1.407.133,58

**Project timeline:**

October 1st, 2017 – March 31st, 2020 (30 months)

**Project coordination:**

University of Trieste

Vanni Lughì - Department of Engineering and Architecture

Romeo Danielis - Department of Economics

Giovanni Longo - Department of Engineering and Architecture

# Funding Program



**PRIORITY AXIS 2: Cooperation for the realization of strategies for the reduction of carbon emissions and action plans**

**Specific Objective 2.1:** Promotion of actuation of strategies and action plans that promote energy efficiency and improve the capacity of the territorial institutions for joint planning for low carbon mobility

# MUSE: Objectives and Expected Results

Increase the Public Administration (PA) capacity of integration of energy efficiency in the sustainable mobility planning

- Methodological guidelines for PAs (**SEAP** ↔ **SUMP**)
- **Action Plan** and experimentation on university mobility

Strengthening cross-border cooperation on these topics

- Establishment of a **cross-border community**

Promotion of innovative services for low-emission mobility

- **Pilot actions:** sustainable mobility services; electric vehicle charging stations
- Involvement of the university community
- Sensibilization and example

# Project structure

WP	Titolo	Responsabile
WP 1	<ul style="list-style-type: none"><li>• <b>Project Management</b></li></ul>	UniTrieste
WP 2	<ul style="list-style-type: none"><li>• <b>Communication</b></li></ul>	UniTrieste
WP 3.1	<ul style="list-style-type: none"><li>• <b>Guidelines for an energetically efficient mobility</b></li><li>• <b>Action plan for university mobility</b></li></ul>	UniLubiana
WP 3.2	<ul style="list-style-type: none"><li>• <b>Cross-border community; Educational activities</b></li></ul>	UTI Noncello
WP 3.3	<ul style="list-style-type: none"><li>• <b>Pilot Actions</b></li></ul>	RRA Lubljana



# Pilot Actions



# Pilot Actions

- 2 Charging stations for e-bikes
- Photovoltaic supply
- Bike-sharing system/Rental

- Parking stall for bikes and e-bikes
- **Charging station for ebikes**
- Photovoltaic supply

Noncello

- **Charging station for e-vehicles**

- Grid-connected **microgrid** with **phovoltaics** and **storage**
- Novel smart power **management** system

Nova Gorica

Ljubljana  
(University)

## Web-based application

- Network of installations
- Mobility services management
- Mobility data collection

Trieste  
(University)

Portorož  
(UniLjubljana)

- **Charging station for e-vehicles**

- Grid-connected **microgrid** with **phovoltaics** and **storage**
- Novel smart power **management** system

- **Electric car**

- **Charging station for e-bikes**

- Photovoltaic supply
- Bike-sharing system

SLOVENIJA

ITALIA



Impact on the  
community  
**(Pilot Actions)**

- **Web-based application** for managing mobility services (user) and monitoring user behavior → **data for researchers**
- **Charging stations** for electric vehicles and bikes
- Novel, micro-grid integrated photovoltaic charging station for electric vehicles and bikes → **data for researchers**

Scientific  
Objectives

- Economic/behavioral studies on mobility
- Development and analysis of smart charging stations
- → **Support for decision makers**