



# REFORM

## Interreg Europe



European Union  
European Regional  
Development Fund

“SUMP, the development of ICT  
technologies in Emilia Romagna Region”

**Ing. Andrea Normanno**

Emilia Romagna Region

[Andrea.normanno@regione.emilia-romagna.it](mailto:Andrea.normanno@regione.emilia-romagna.it)

# Emilia-Romagna Region profile

Total population over **4,3 millions**  
Surface **22.124 Km2**  
**9** Provinces  
**348** Municipalities  
**40%** of total population lives in **13**  
**main cities**



The Emilia-Romagna Region (RER) is located in the northern part of Italy and has 4.3 million inhabitants. The regional area constitutes of nine provinces and co-operates on several levels in the framework of the LPT and private mobility governance.

# EMILIA-ROMAGNA REGION: SNAPSHOT



## POPULATION

4,432,439



## LAND

22,445 km<sup>2</sup>



CAPITAL CITY: **BOLOGNA**

PROVINCES: 9

MUNICIPALITIES: 348

## ENTREPRISES

383,549



## GDP PER HABITANT

30,493 €

## INDUSTRIAL CENTRES

10

## UNIVERSITIES

5



## REGISTERED VEHICLES

2,699,97



## LPT Passengers /year

300 MLN  
+ 40



## DAILY TRIPS

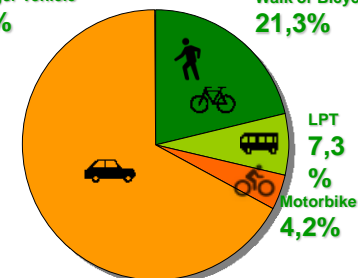
8,927,000



## MODAL SHIFT

Passenger vehicle  
67,2%

Walk or Bicycle  
21,3%



AVERAGE  
DAILY TRAVEL [km]

44 km



AVERAGE  
DAILY TRAVEL [MINUTES]

66'



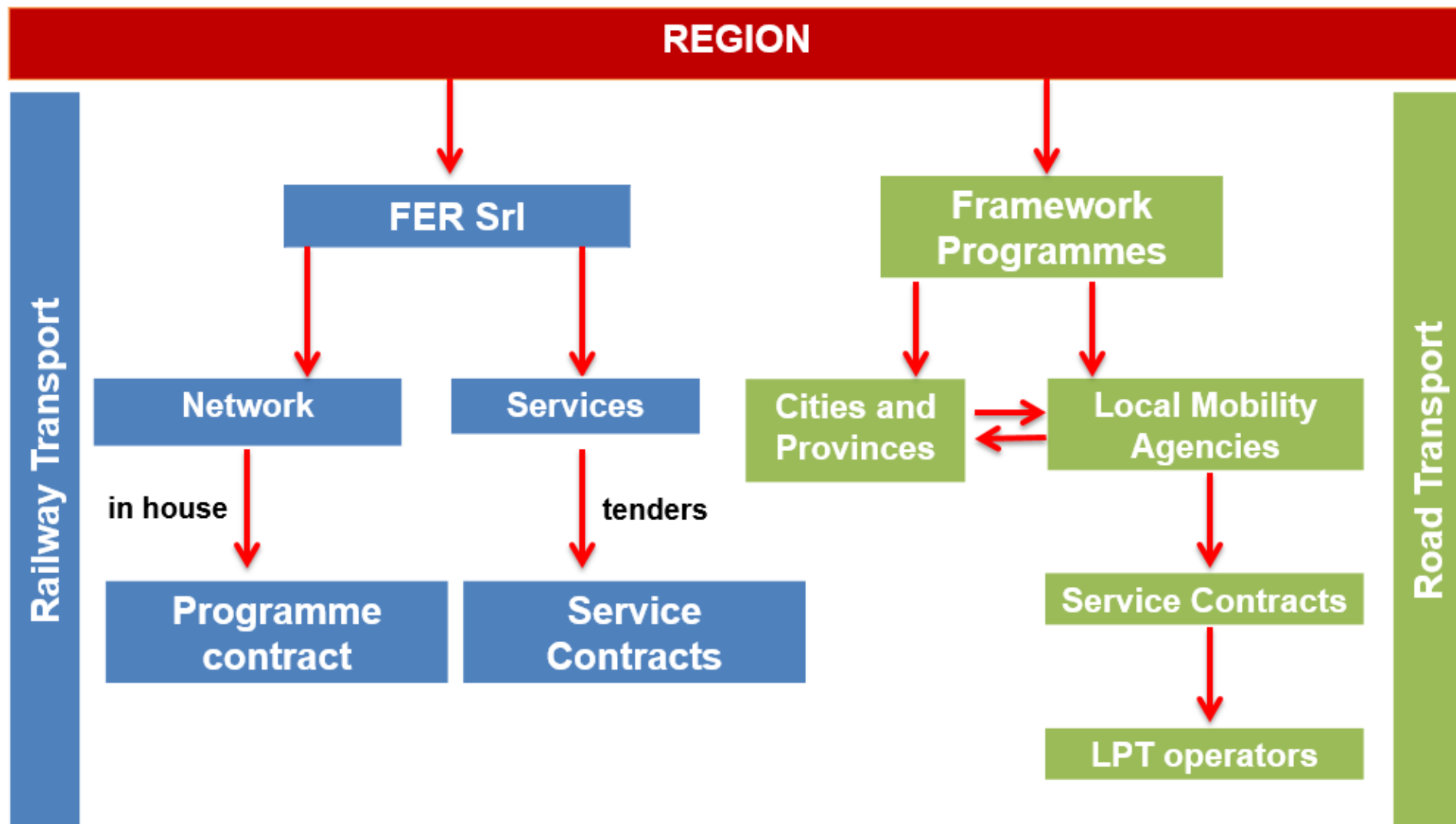
# Mobility and Transport Councillorship's Competences

**The regional Mobility and Transport Councillorship is competent for:**

- ☐ **Planning of the infrastructural network and of the road, railway, port, water, air, inter-port, and bus communication systems;**
- ☐ **Planning of regional and local mobility systems;**
- ☐ **Freight and people mobility services**
- ☐ **Improvement of the urban mobility**
- ☐ **Regional Observatory for Road Safety and Education**

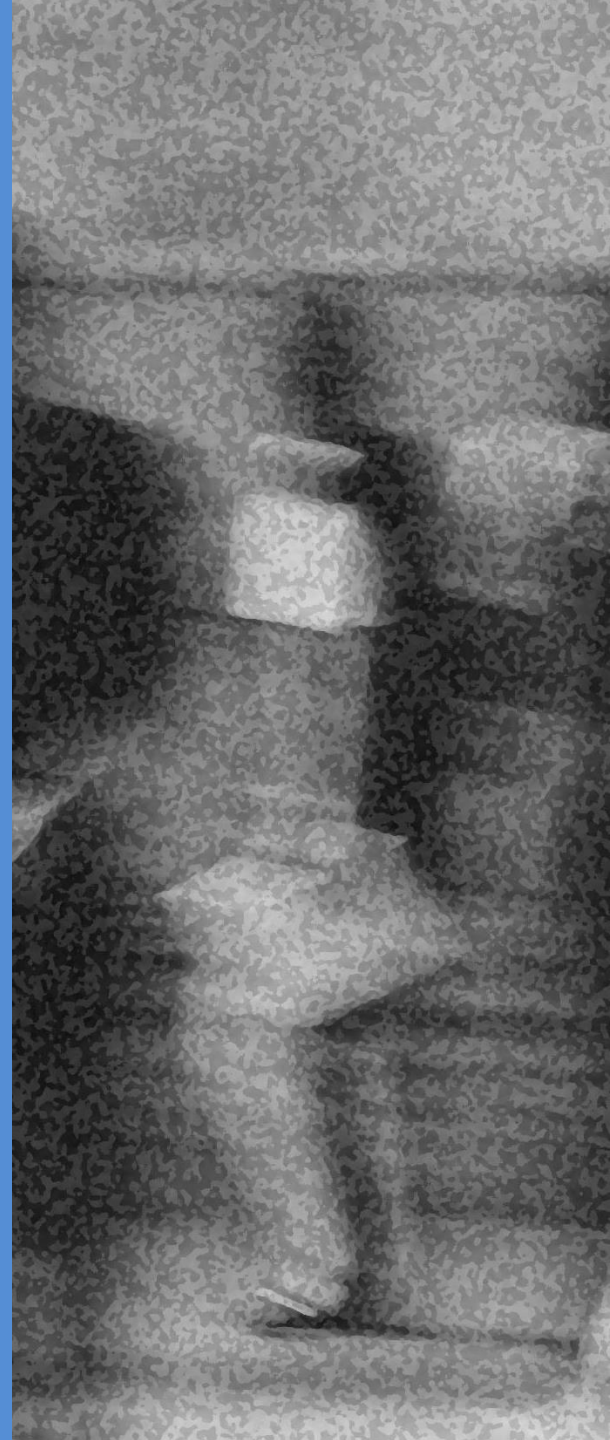


# The dialogue between the regional and local authorities levels



# SUMP

Investments for  
sustainable mobility



# SUMP – Urban plans for Sustainable Mobility

RER in 2015 has allocated incentives for the Metropolitan City of Bologna and municipalities with a population of over 50,000 inhabitants in the elaboration of "PUMS guidelines"; RER has signed an agreement with the beneficiary in 2016;

SUMP “guidelines” were delivered to RER from the beneficiary in December of 2016;

In particular the most important aspect are:

- Bus regional Fleet Renewal with low environmental impact;
- Improvement of the LPT, also through an increase in bus lanes, and improved traffic flow and the commercial speed;
- Strengthening of bike mobility, the cycling and hiking trails in urban areas, and promotion of safe routes home school / home work;
- Development of the LPT stops also in modal interchange points rail-road-bike to allow the elimination of architectural barriers and improve accessibility;

# SUMP – Urban plans for Sustainable Mobility

	Comuni / Città Metropolitana	Popolazione al 31-12-14 *	Percentuale riparto	Contributo Regionale
1	Città Metropolitana di Bologna	455.922	24,10%	€ 84.335,36
2	Carpi	70.555	3,73%	€ 13.051,09
3	Cesena	97.134	5,13%	€ 17.967,61
4	Faenza	58.692	3,10%	€ 10.856,71
5	Ferrara	134.063	7,09%	€ 24.798,65
6	Forlì	118.503	6,26%	€ 21.920,40
7	Modena	185.148	9,79%	€ 34.248,23
8	Parma	189.996	10,04%	€ 35.145,00
9	Piacenza	102.623	5,42%	€ 18.982,96
10	Ravenna	159.645	8,44%	€ 29.530,75
11	Reggio Emilia	171.869	9,08%	€ 31.791,91
12	Rimini	147.971	7,82%	€ 27.371,32
		1.892.121	100,00%	€ 350.000,00

\* Per la città Metropolitana di Bologna la popolazione è rappresentata dagli abitanti dei Comuni di Bologna e Imola

# SUMP – Urban plans for Sustainable Mobility

The National level

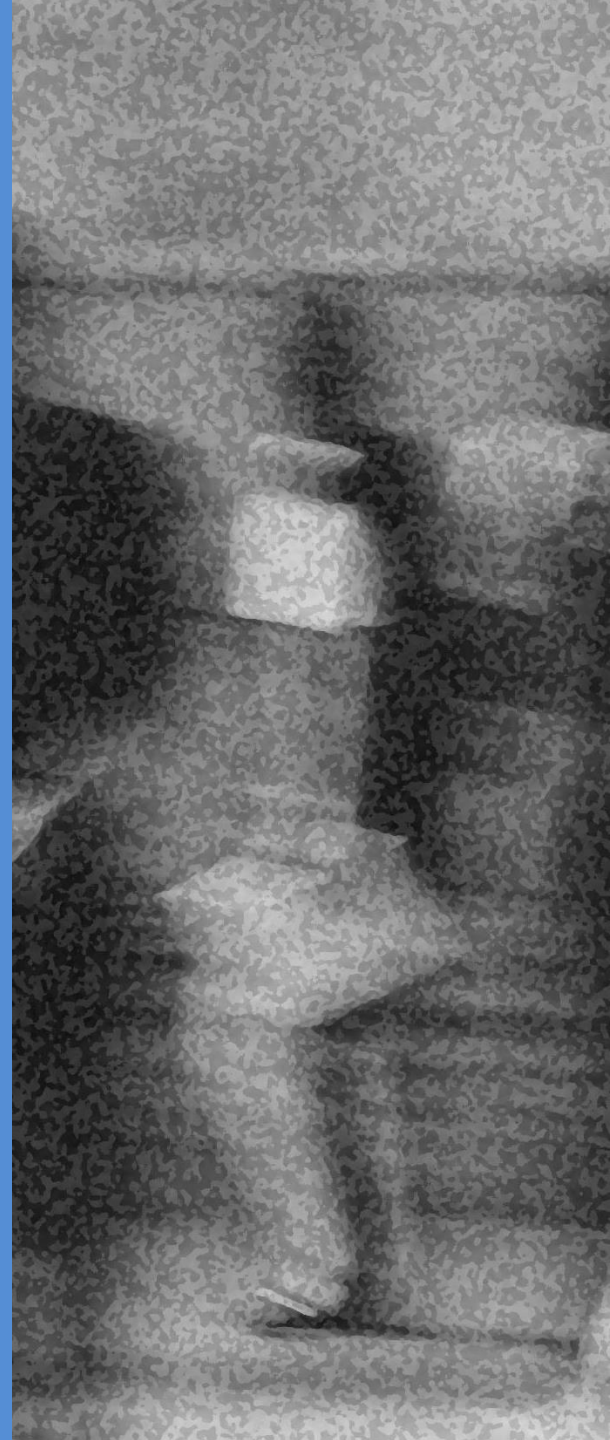
RER participate



# ROP investments for sustainable mobility axis 4

**ITS**

**(intelligent Transport System)**



# POR-FESR (2014-2020): regionale ITS Investments

## Action 1

According to the Regional Law 192/2016 the ITS actions are:

- **Action 1:** regional dynamic Travel Planner.
- **Budget:** cost € 300,000 (100% RER)
- **Beneficiary:** Lepida (regional in house company)

### Description of the project:

The project aims to implement the existing Regional Travel Planner, also thanks to the European project EIT 2016 Digital. RER has signed an agreement with the University of Bologna, Lepida and the foundation Bruno Kessler to build a system that collects and provides the user of the TPL real-time data related to the different systems regional transport (road transport, rail transport, airports, etc ...) using the system already in use at the town of Trento and Rovereto.

Activity	timing
Project	2016
Realizations	2017
End of project	2018

# POR-FESR (2014-2020): ITS regional investments

## Action 2

- **Action 2:** realization of a travel tickets purchase system TPL contactless credit card

- **Budget:** 3 mln euro (50% RER, 50% LPT companies)

- **Beneficiary:** Regional LPT companies

### Description of the project:

The project aims to create a on-board purchase system of LPT tickets contactless with credit card.

This opportunities will make the purchasing of the travel document fastest and most comprehensive than the current system.

Activitiy	timing
Project	2016
Realizzazioni 50%	2018
End of project	2020

# POR-FESR (2014-2020): ITS regional investments

## Action 3

- **Action 3:** Improvement of the LPT railway stops
- **Budget:** 1.5 mln euro (100% RER)
- **Beneficiary:** RER (through in huose company FER srl)

### Description of the project:

The project aims to develop the Regional Public Rail stops, through the installation of 70 monitors and video surveillance systems with particular focus for disabled people.

Attività	timing
Project	2016
Installations	2017-2018
End of project	2018

# POR-FESR (2014-2020): ITS regional investments

## Action 4

- Action 4: Installation of ITS systems
- Budget: 5.4 mln euro (50% RER, 50% of transport companies)
- Beneficiary: The Regional Companies TPL

Description of the project:

The project aims to achieve the following actions:

- a) a first information / display video surveillance installation in buses and urban trolley buses;
- b) development of integrated electronic ticketing, payment option of travel tickets through smartphones, tablet, thanks to the use of NFC (Near Field Communication) also at tabacconists / newsagents etc ..
- c) Facilitate the modal spilt interchange: development of LTP stops, interchange modal rail-road-bike

Activitiy	timing
Project	2017
50% of activity	2018
End of project	2020

# POR-FESR (2014-2020): ITS regional investments

## Action 5

- **Action 5:** Purchase of 70 eco-compatible buses
- **Budget:** 13 mln euro (50% RER, 50% by local public transport companies)
- **Beneficiary:** The Regional LPT Companies

### Description of the project:

The aim of the project is to purchase 70 urban buses with a low impact fuel. The transport companies will coordinate to make a single purchase with a single centralized tender. Alimetazioni elettrico, gas, LNG;

Activitiy	timing
Project	2017
Tender and forniture of 20 buses	2018
End of the project	2020



# REFORM

Interreg Europe



European Union  
European Regional  
Development Fund

## Thank you!

**andrea.normanno@regione.emilia-  
romagna.it**

Questions welcome



*Project smedia*