

Milano



# **COST**

## **Exploratory workshop on Smart Cities**

### ***Milan Smart City***



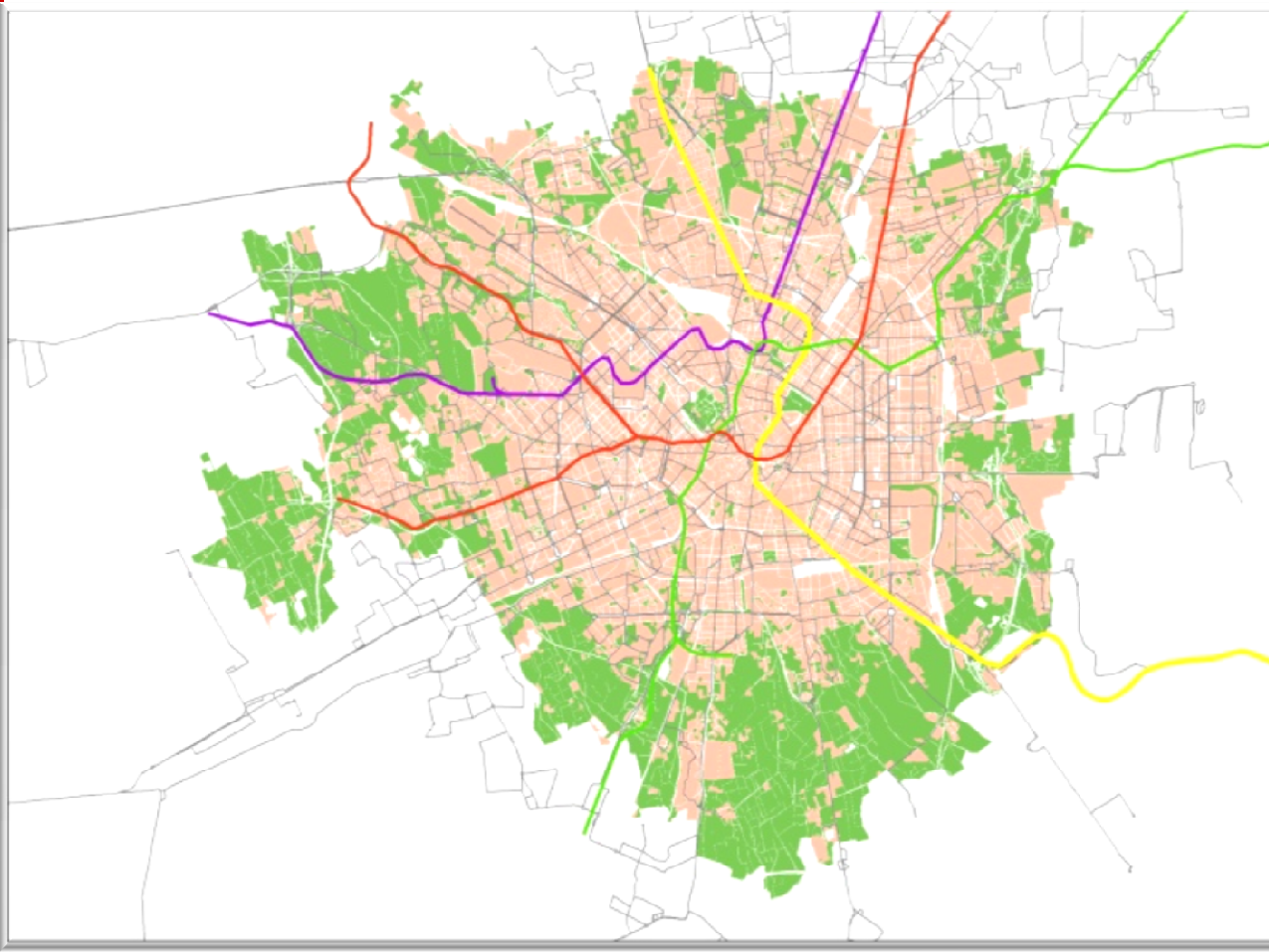
Monica Mori  
Director of Strategic Planning and Programming Department – City of Milan

26 - 27 September 2011, Université Paris Dauphine, France

Milano

# Milan

## General informations



**Inhabitants Milan City:  
about 1.3M**

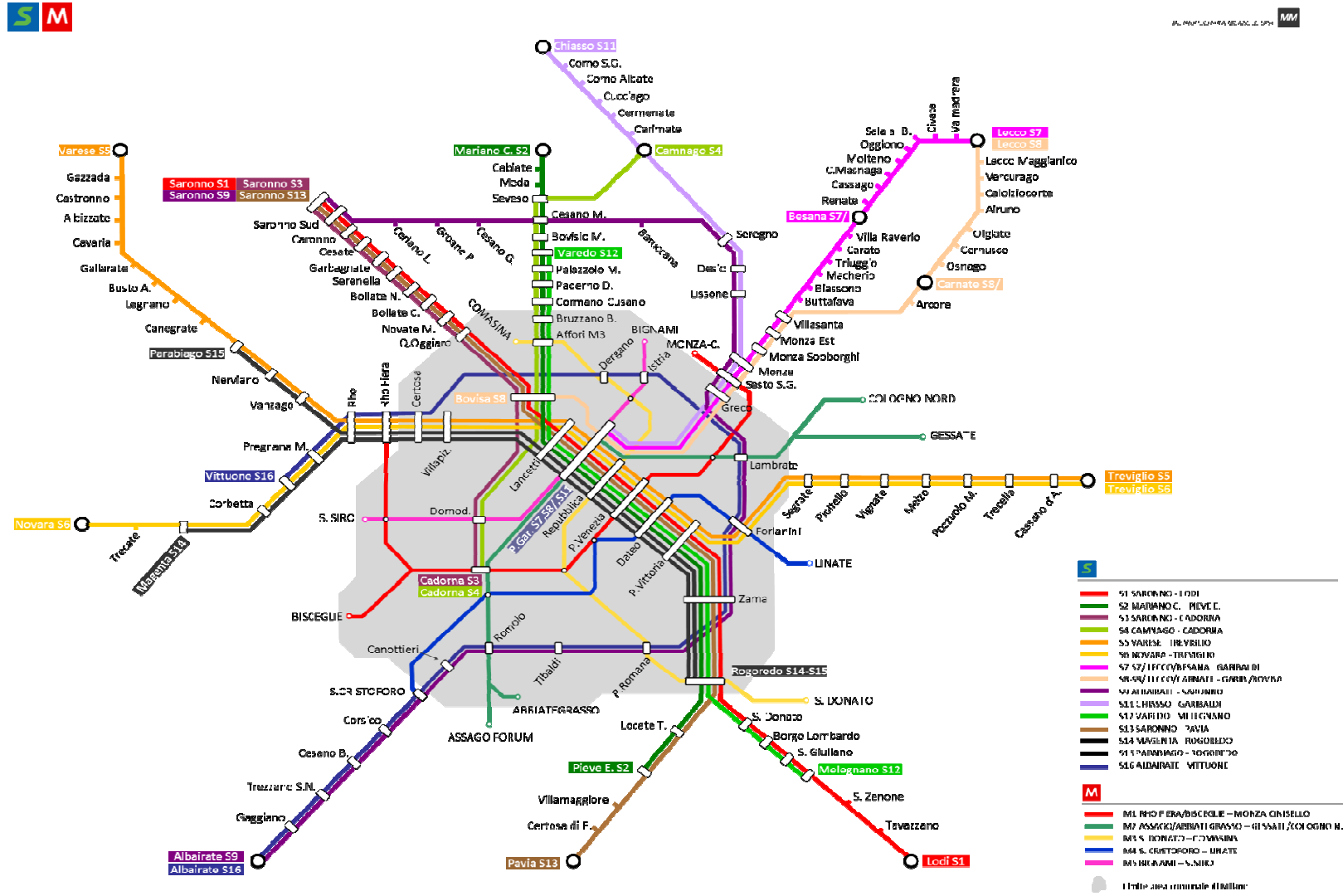
**Inhabitants Metropolitan  
area: about 3.3M**

**Inhabitants Lombardy  
Region: about 9.6M  
City Users: about 1M**

# Milan

Milano

## Underground and suburban network in 2015

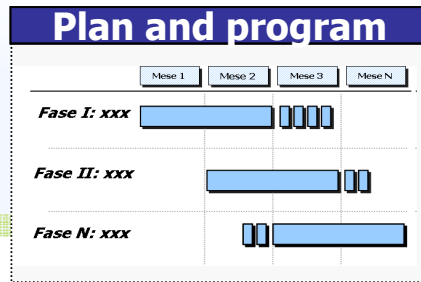


AL MAPPA COMPARE LE LINEE S E M

- |          |  |
|----------|--|
| <b>S</b> | S1 SARONNO - LODI                            |
|          | S2 MARIANO C. - PIEVE C.                     |
|          | S3 SARONNO - CADORNA                         |
|          | S4 CARNAGO - CADORNA                         |
|          | S5 VARESE - TREVIGLIO                        |
|          | S6 NOVARA - TREVIGLIO                        |
|          | S7 S7/1/FCCO/BESANA - GARIBOLDI              |
|          | S8/S9/111/COV/ARRATE - GARIBOLDI             |
|          | S9/10/ARABAT - SARONNO                       |
|          | S11 LISSO - GARIBOLDI                        |
|          | S12 VARESE - MILEGNANO                       |
|          | S13 SARONNO - PAVIA                          |
|          | S14 MAGGIORCA - ROGOROSSO                    |
|          | S15 PAVANAGO - ROGOROSSO                     |
|          | S16 AIDARATE - VITTUONE                      |
| <b>M</b> | M1 PAVIA - BISCUGLIE - MONZA ONSSELLO        |
|          | M2 ASSAGO/ABBATI GRASSO - GESSATE/COLOGNO N. |
|          | M3 S. DONATO - COMASINA                      |
|          | M4 S. CRISTOFORO - Linate                    |
|          | M5 BIGNAMI - S. NIRO                         |
- Linee area comunale #11/11/11/11/11

Milano

# Unitary management of actions



**Infrastructure's plan**

DESCRIZIONE ATTIVITA'	INIZIO	FINIS
SELEZIONE INTERVENTI	01/01/2008	31/12/2008
PROGETTAZIONE DEFINITIVA DELLE OPERE	01/01/2008	31/12/2008
REDAZIONE ELABORATI PROGETTUALI (REGOLAZIONI, ELABORATI GRAFICI, DOCUMENTI, COMPUTO MET.)	01/01/2008	31/12/2008
ACQUISIZIONE PARERE AI SENSI DELL'ART. 10	01/01/2008	31/12/2008
VALUTAZIONE DELLA CONGRUITA' TECNICO-ECONOMICA E RILASCO DEL RELATIVO PARERE	01/01/2008	31/12/2008
VERIFICA DOCUMENTI PROGETTUALI E RICHIESTA INTESA	01/01/2008	31/12/2008
APPROVAZIONE DEL PROGETTO DEFINITIVO	01/01/2008	31/12/2008
VERIFICA DOCUMENTI PROGETTUALI E RICHIESTA INTESA	01/01/2008	31/12/2008
PREPARAZIONE DELLA DELIBERA DI APPROVAZIONE DEL PROGETTO	01/01/2008	31/12/2008
APPROVAZIONE DELLA DELIBERA DI PROGETTO E DETERMINA A CONTRARRE	01/01/2008	31/12/2008
FINANZIAMENTO DELL'OPERA	01/01/2008	31/12/2008
RICHIESTA FINANZIAMENTO	01/01/2008	31/12/2008
RILASCO ATTEZZAZIONE FINANZIAMENTO	01/01/2008	31/12/2008
PROGETTAZIONE ESECUTIVA DELLE OPERE	01/01/2008	31/12/2008
REDAZIONE ELABORATI PROGETTUALI (REGOLAZIONI, ELABORATI GRAFICI, DOCUMENTI, COMPUTO MET.)	01/01/2008	31/12/2008
VALUTAZIONE E TRASMISSIONE DEL PROGETTO	01/01/2008	31/12/2008
APPROVAZIONE PROGETTO ESECUTIVO	01/01/2008	31/12/2008
VERIFICA DOCUMENTI PROGETTUALI E RICHIESTA INTESA	01/01/2008	31/12/2008
PREPARAZIONE DELLA DETERMINA APPROVAZIONE DEL PROGETTO	01/01/2008	31/12/2008
APPROVAZIONE DEL PROGETTO ESECUTIVO E DETERMINA A CONTRARRE	01/01/2008	31/12/2008
SELEZIONE OPERE PER AFFIDAMENTO LAVORI	01/01/2008	31/12/2008
SELEZIONE DEI FORNITORI DI MATERIE PRIME, MATERIALI, MANODORA E FORNITURA	01/01/2008	31/12/2008

**Economics**

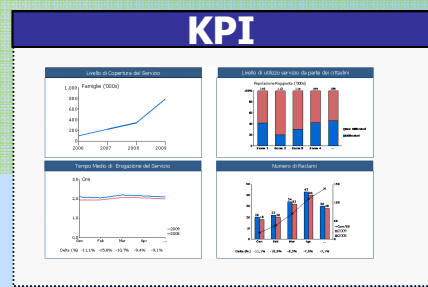
**DIMENSIONI DEL PROGETTO**

Contesto	2003	2004	2005	2006	
Intenti	Hono (triplo) 2003	225,36	2,279	-	-
Controintenti	Hono (triplo) 2003	-	-	-	-
<b>Totale</b>		<b>225,36</b>	<b>2,279</b>	-	-
Intenti	Hono (triplo) 2003	2,549	3,080	3,888	
Controintenti	Hono (triplo) 2003	1,113	2,381	2,388	
<b>Totale</b>		<b>3,662</b>	<b>5,461</b>	<b>6,276</b>	
Percentuali					
di Value					

**VALUTAZIONE ECONOMICA**

Indicatore	Primo Livello	Secondo Livello	Terzo Livello	Quarto Livello
NPV (3 anni)	31.111	-18.003	-	-
NPV (5 anni)	-42.057	-20.224	-	-
IRR (%) (3 anni)	n.a.	n.a.	-3,917	9,940
IRR (%) (5 anni)	n.a.	n.a.	-18,002	4,663
PAY BACK (anni)	n.a.	n.a.	n.a.	n.a.
PREL. (anni)	n.a.	n.a.	n.a.	n.a.

Green line on sustainable Priorities



Master Plan enables an **integrated view** on objectives and initiatives





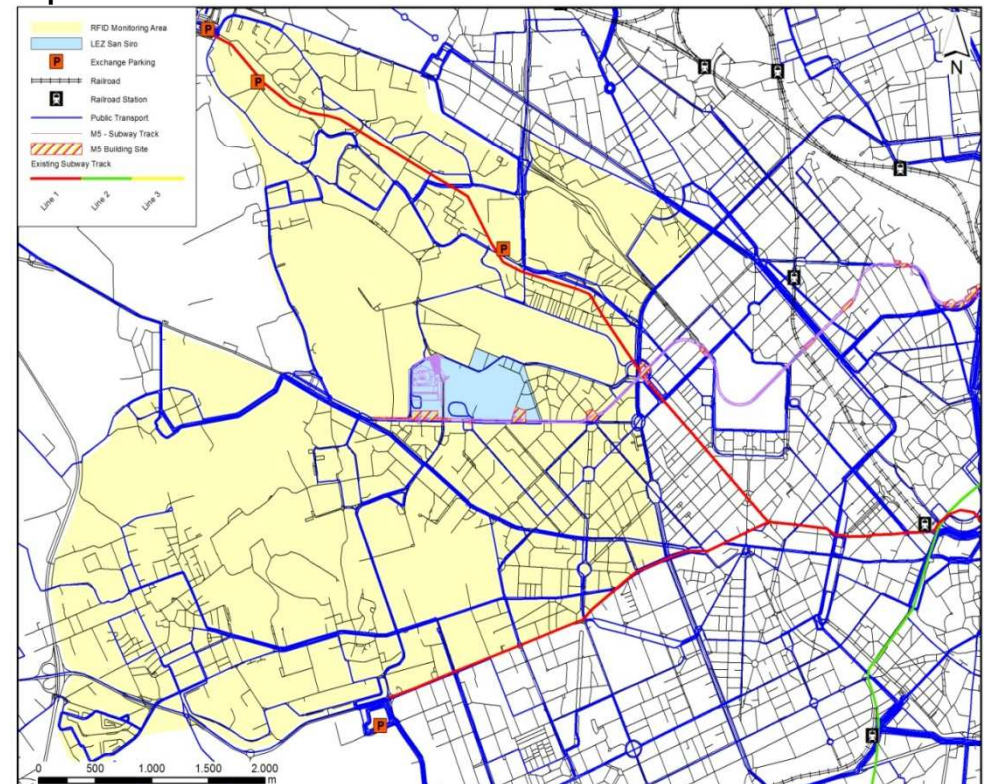
## GOAL

### Global Optimisation of traffic for a better air quality Levels

Project's objective is to demonstrate the effectiveness of policies, strategies, models and innovative technologies to reduce air pollution caused by congestion and vehicular traffic emissions in cities, testing an integrating system applicable at three functions of mobility intensely impacting the air quality in European cities.

Specific objectives:

- **commercial vehicles at the city large-scale Levels : monitored, regulated and controlled**
- **Regulation and monitoring of heavy vehicles such as truck, in construction site of major infrastructures**
- **Systems for regulating access and provide infomobility services to users at major public events**





# GOAL

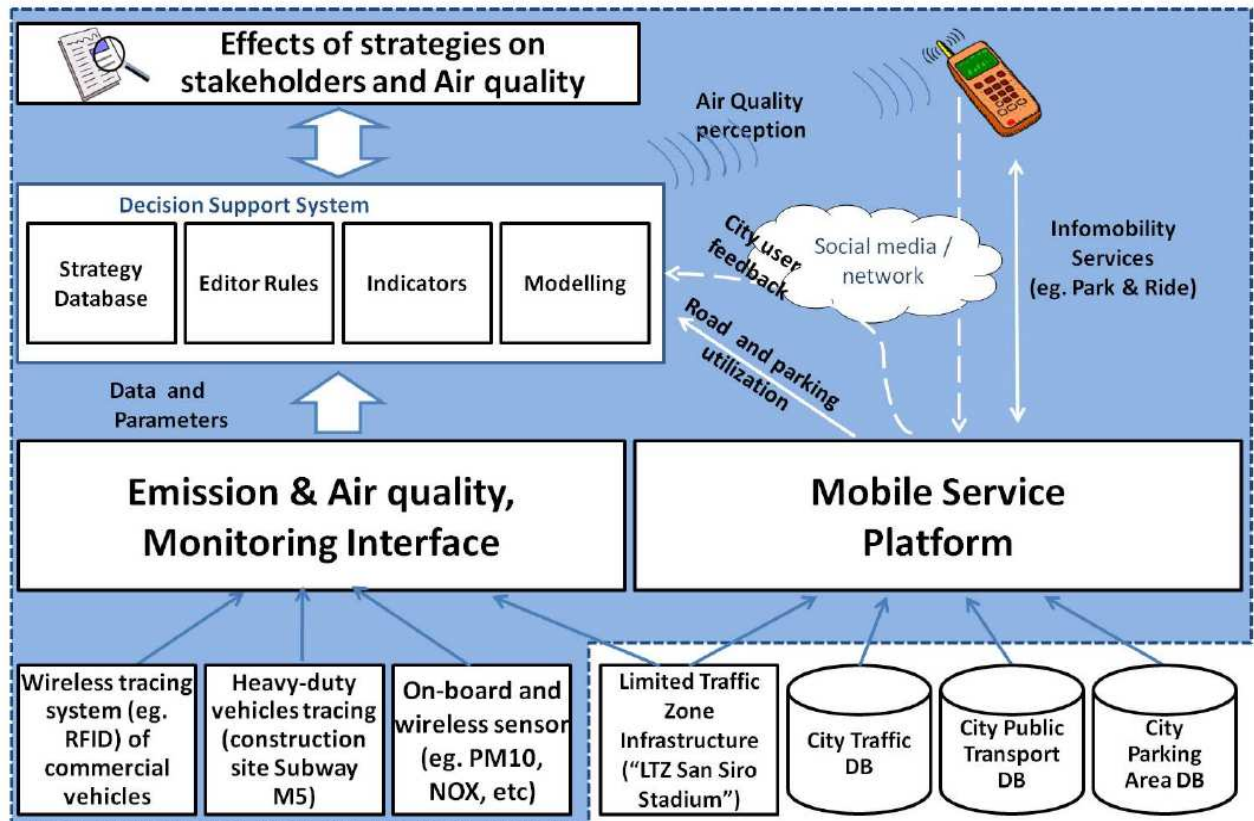
## Global Optimisation of traffic for a better air quality Levels

Develop a decision support system in order to assist negotiation and participation process with the involved stakeholders.

The objective is to create a “policy analytic tool” in order to:

- create synthetic informations;
- monitor and use “socially created” informations;
- use participative decision making process;
- improve accountability of public decision processes.

GOAL Architecture overview



## Public Call for expressions of interest



Milan City Council intends to involve no-profit associations, institutes, authorities and private subjects, the researcher's world to participate in various European Calls about "Smart Cities and Communities", "Energy Efficient Buildings" and "Sustainable Surface Transport".

**Milan announces to become the**

**Italian Smart City**

## Details



Publication date: 19 september 2011

Deadline: 30 september 2011, at 12:00

Applicants: no-profit associations, institutes, authorities and private subjects

Link: [www.comune.milano.it](http://www.comune.milano.it)

please click on





Milano



**Thanks for the attention**



Monica Mori  
Director of Strategic Planning and Programming Department  
City of Milan

@mail : [monica.mori@comune.milano.it](mailto:monica.mori@comune.milano.it)