



# SMILE: the MASTER PLAN for Torino Smart City

# What it is **SMILE**

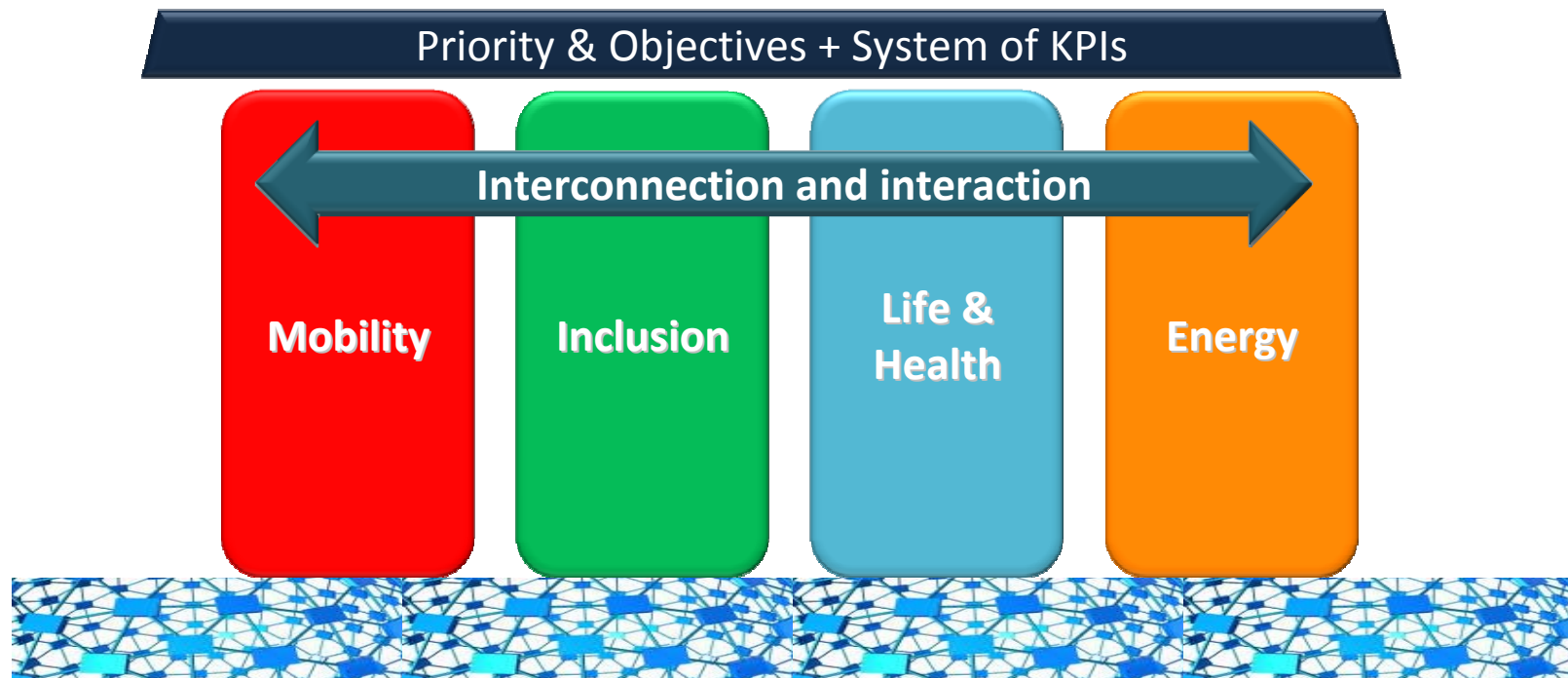
- The **smart city model** that will help Turin in the the key projects definition
  - » Beyond the logic of single demonstration
  - » With models of sustainable and replicable solutions
  - » For the enhancement of local excellence
- A **method for rapid design** and actions coordination
- A **planning system** that evolves over time towards measurable objectives (KPI)



**SMILE: Smart Mobility Inclusion Life & Health & Energy<sub>2</sub>**

# The key components

4 vertical domains where the city expresses a clear value



1 connective tissue of transparent and minimally invasive technologies

- ✓ Data
- ✓ connection between people and objects
- ✓ Bidirectionality
- ✓ Static /moving
- ✓ Able to receive and implement policies

## Vehicles

- intermodality
- vehicle sharing / pooling
- low environmental impact
- non-motorized transport

## People

- sharing information
- emergency management
- security

## Infrastructure

- road networks and intelligent traffic lights
- monitoring and controlling
- for electric vehicle
- Infrastructure
- communication V2V, V2I

## Service

- fleet management
- freight logistics
- electronic payment systems



# Inclusion

## Education / Training

- evolution of educational paradigms
- learning tools for disabled
- inclusion for foreign students
- training for immigrants
- professional training for unemployed

## Government

- e-administration
- e-democracy
- e-participation

## Social Communication

- neighborhood level and social support
- volunteering support
- Integration / involvement of unemployed
- contrast to the immigrants isolation

## Assistance

- Moving autonomy for disabled
- monitoring the elderly & promoting healthy lifestyles
- security and emergency management for frail people



## Environment and Territory

- waste / water management
- environmental quality analysis
- Territory monitoring
- territorial planning
- disaster prevention
- Infrastructure monitoring



## Security

- night urban surveillance/prevention and fighting crime
- monitoring and managing of Big events
- public order management
- security for moving users



## Culture and Tourism

- promotion of cultural heritage
- conservation and upgrading of assets
- promotion of tourism

## Accessibilità

- to the structures / usability
- to the cultural resources of the city





## Buildings

- Consumption monitoring
- Plant automation / energy saving systems
- Interfacing with energy networks
- Interfacing with Renewable Energy Sources

## People

- interactions between man and building
- saving energy awareness policies
- community management (e.g. at condominium level)

## Infrastructures

- smart grid
- smart heating/cooling networks
- Support for vehicular networks (electric recharge)

## Vehicles

- low impact vehicle
- driving style (eco-driving)
- travel planning (eco-routing)



# How to implement and support the strategy

- **SMILE** cannot be separated by considerations of **economic sustainability**, in order to:
  - better address the resources and avoid investments incorrect or counterproductive
  - Reduce the risk of sanctions
  - Better focus the main objectives, taking into account options for long-term sustainability



- Public–private partnership, pre-commercial procurement of innovation
- National R&D Projects and EU (Horizon 2020)
- Rules and regulations to support the dissemination of developed solution

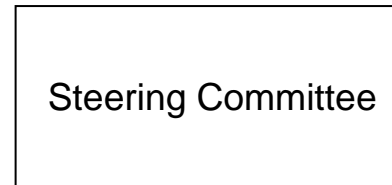




# The project organization

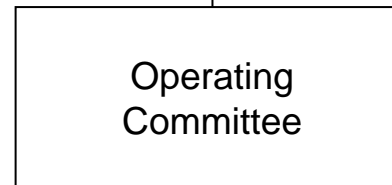
- **Focused** Teams with domain expertise and a strong **governance** of the decision-making process

Lead the project in term of main priority & guidelines (institutional & policy making level involved)

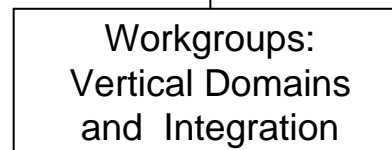


*Meetings: Kick Off, 70% project, project closure*

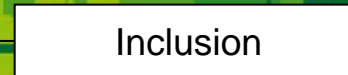
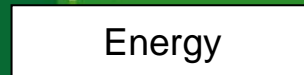
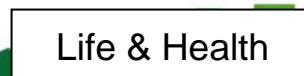
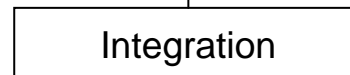
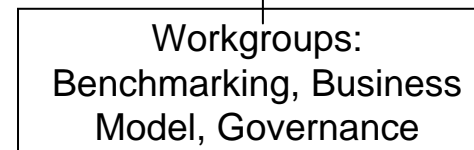
Manage the project and lead each phase at operational level (technical and business level involved)



*Meetings: every two weeks*

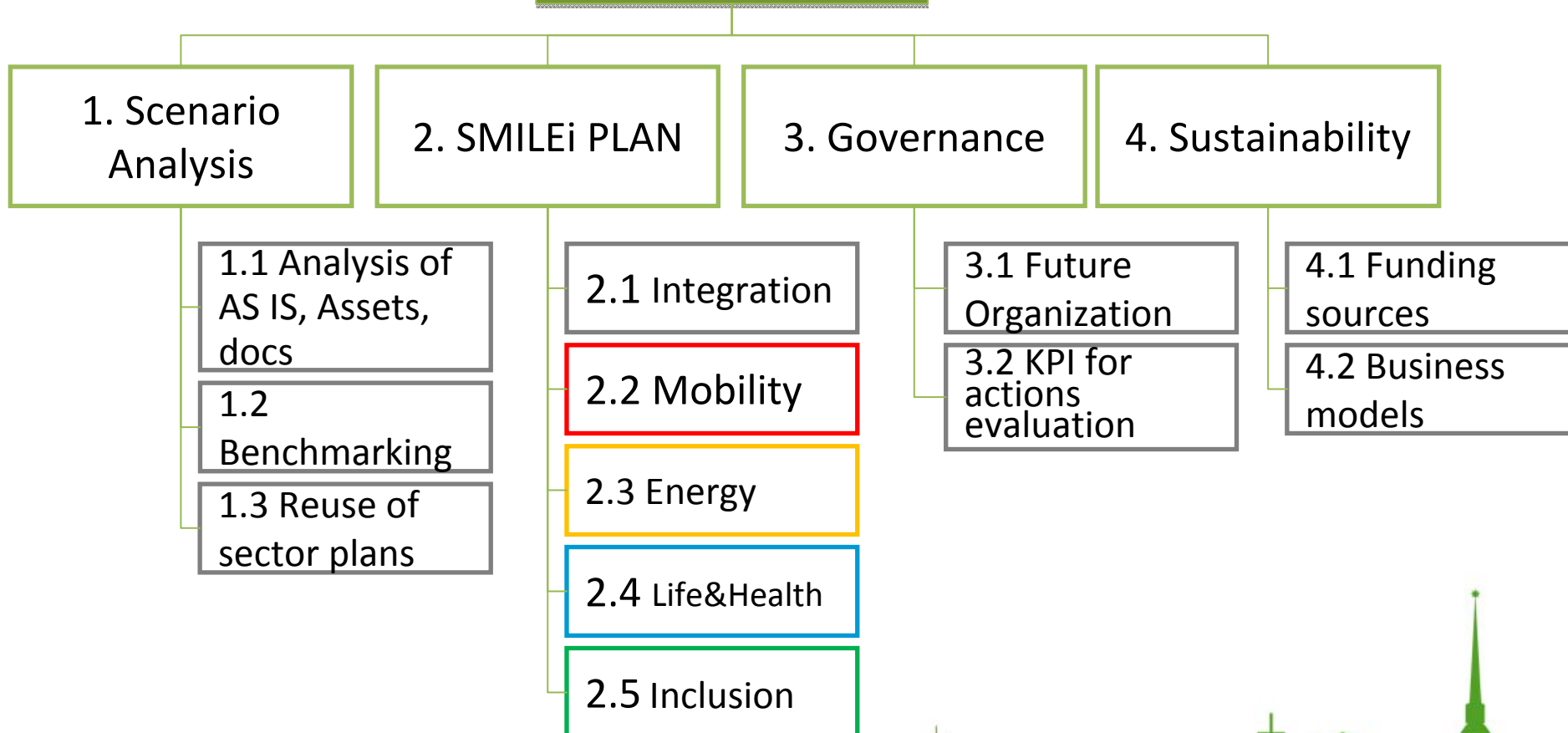


*Meetings: decided by team leader*

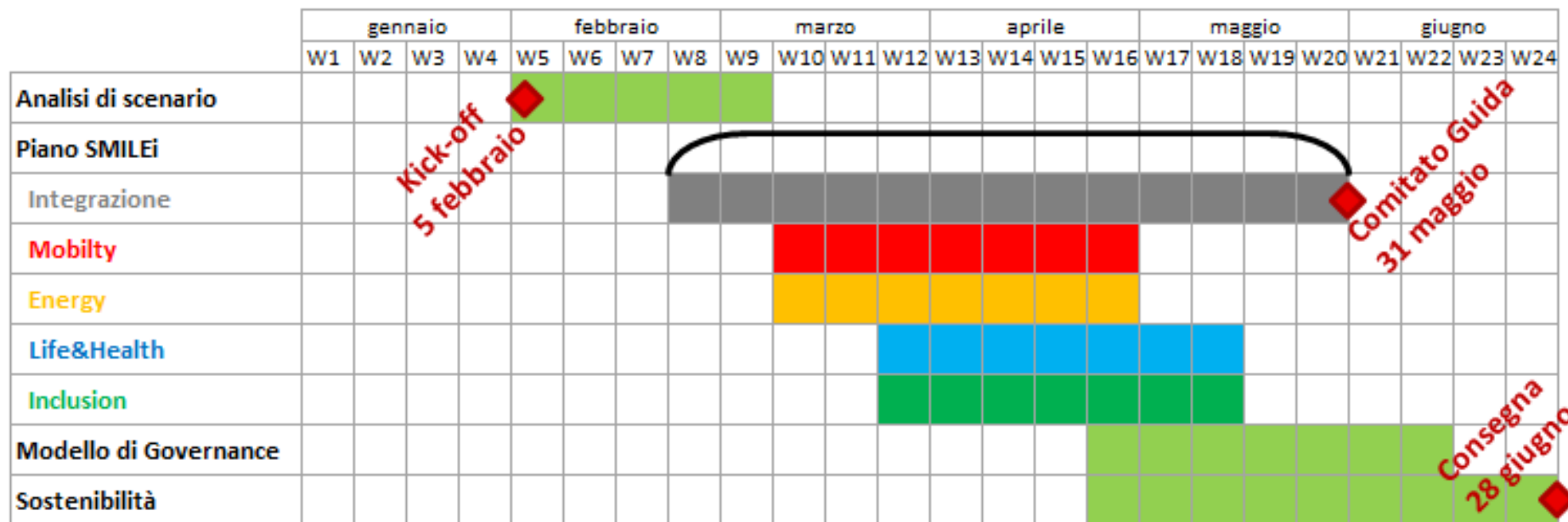


# Project deliverable

## Master Plan SMILE



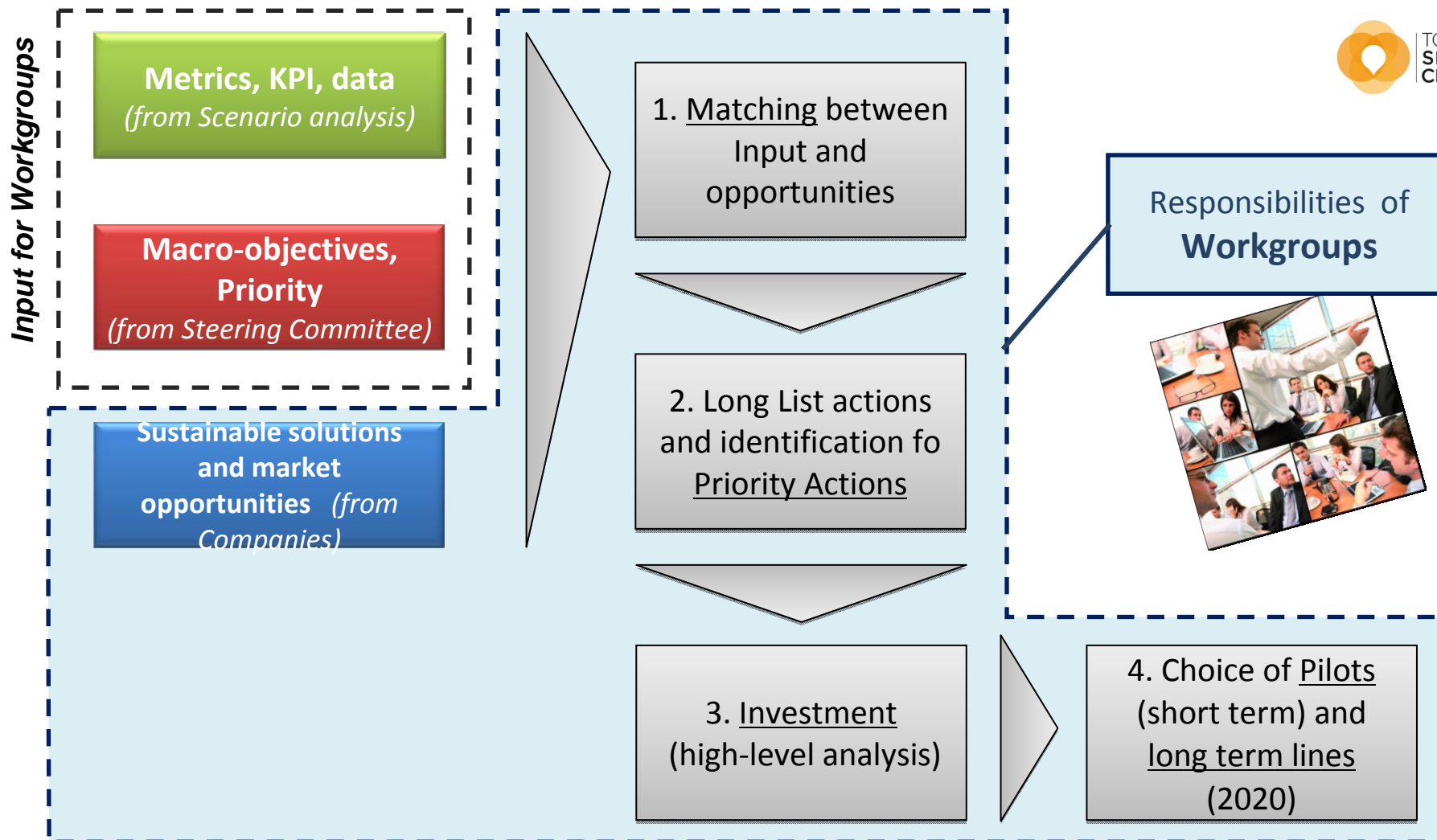
# Planning



- Very short duration to work in a very **focused** way and to deliver the **Master Plan** in time for the **next EU / Local Planning**



# Workgroups: methodology



Key Success Factors: **Metrics**, **Target** for these metrics (KPIs), **Data** to be gathered to better guarantee a real **Measurability of impacts**

# The support of Torino Wireless

## ▪ Role of **Tecnical partner:**

- Finalization of the the MASTER PLAN: **benchmarking**, opportunity and territorial specificity analysis, support for priorities definition, **business models** and **sustainability models** analysis
- **General management of the project SMILE**, with direct support of the confrontation and concertation activities
- Design of the **governance structure** to manage activities after **SMILE**

## **Master Plan delivery**

Responsability of  
the **SMILE**  
**Master Plan**  
**delivery**

- Management of workgroups and issues
- Support for in deep analysis
- Times and priorities for activity development
- Constant updating to the city and to stakeholders
- Companies involvement

# The key elements of the Master Plan **SMILE**

- **Vision** and priorities of the Torino Smart City
- **Metrics e Data** to measure impacts
- **Reference perimeter** for proposal and project selection
- Elements of **governance** to implement following initiatives
- **Content** and **guidelines**, not methodologies
- A Rereference for the further initiatives **communication**

Vision >>>> Objectives >>>> Actions area





# Thank you

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