

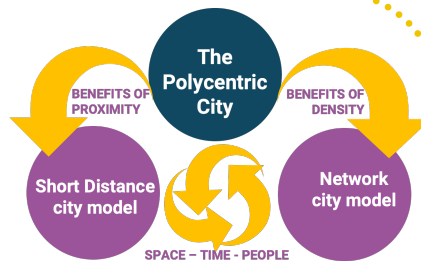
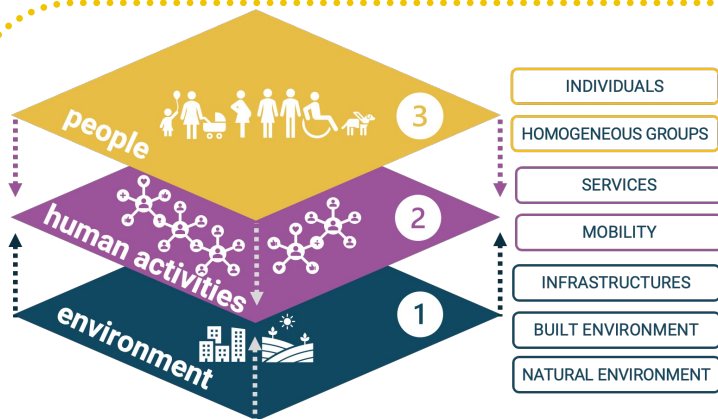
# Urban Data for Inclusive governance. City Knowledge Empowerment



DIEC DIPARTIMENTO  
DI ECONOMIA



## 1. the Theoretical Framework



The approach to the **polycentric city** analyzes the urban phenomenon in connection with human needs (**people**) and the dimensions of **space** and **time**. The framework ranges from the **Short-distance city model** (benefits of **proximity**) to the **Network city model** (benefit of **density**)

The Framework is composed of **3 layers**.  
The **basic layer** analyzes the natural and built **environment**  
The **intermediate layer** analyzes **human activities** as a connective level between people and environment  
The **upper layer** analyzes data about **people**: the citizens needs and the composition of the society.

This work is carried out within the framework of the project.  
**RAISE - Robotics and AI for Socio-economic Empowerment Spoke - 1 Wp5. From Inclusive Technologies to Inclusive Smart Cities.**  
It has been supported by the European Union (Next Generation EU).

The research has deepened a **Theoretical Framework** for reading and mapping **urban inequalities**, dealing with the challenges of the **Inclusive city**.

The study is focused on the **sub-municipal dimension** of a **polycentric city**, as a **knowledge opportunity** for measuring the different levels of inclusion within the city.

Furthermore, the research has created the **prototype of an IT tool** for data analysis, visualization and management, addressed both to **technician and policymakers**.

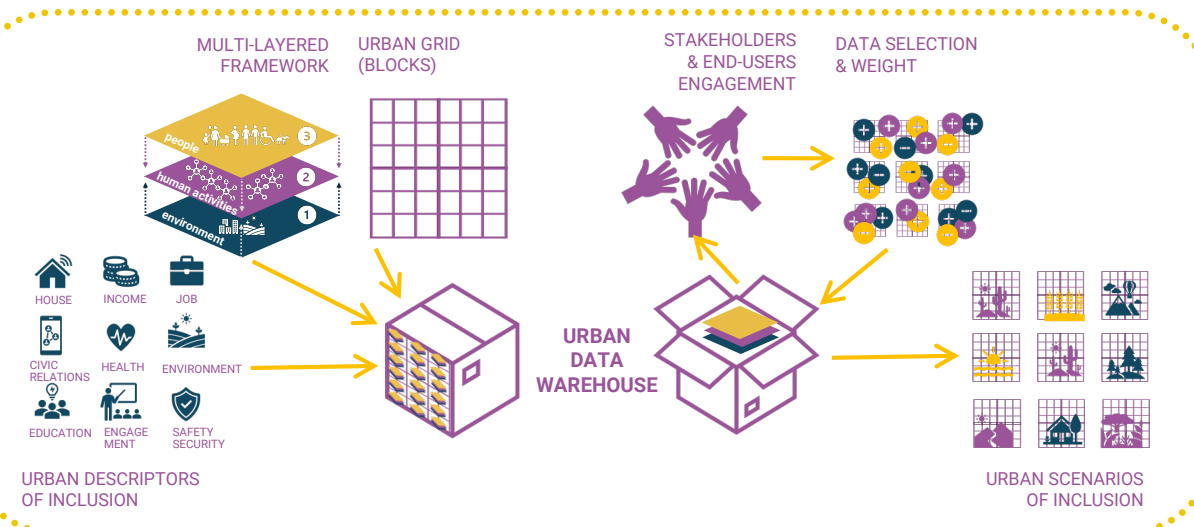
The methodology is a process composed by 2 phases.

1. The **construction of the Data Warehouse** as a neutral Database to collect data with a multilevel framework, for describing the inclusive qualities of the city

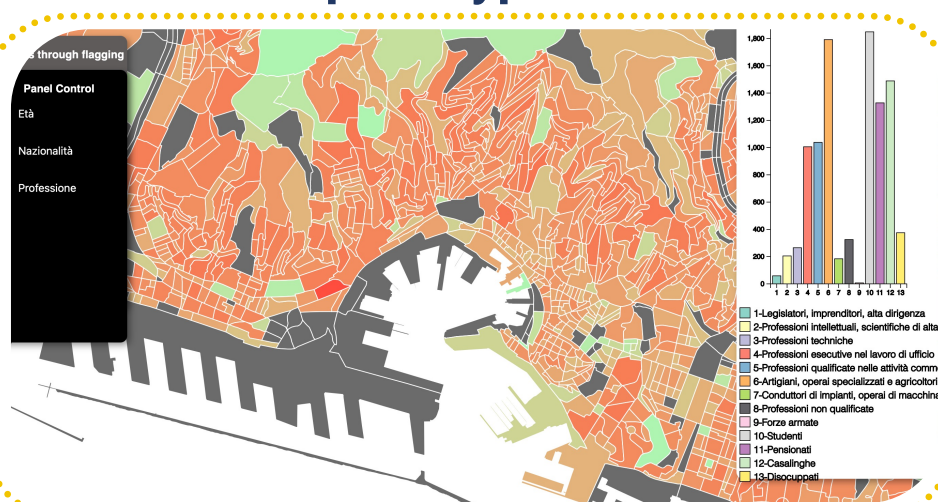
2. The **use of the Data Warehouse** to support the making of scenarios of city inclusion with

the purpose of measuring the inclusiveness of the city and to support local governance.

## 2. the Methodology



## 3. the IT tool prototype



**Team DIEC**  
(Framework and Methodology)  
Renata Paola Dameri,  
Monica Bruzzone

**Team DIBRIS**  
(Software)  
Enrico Puppo,  
Claudio Mancinelli  
Barbara Catania,  
Giovanna Guerrini,  
Dario Olianas

The city of **Genoa is the case study** for the **prototype of the IT Tool** software development.

The **Urban Dashboard** use the **Data Warehouse** to

create scenarios and approach based on a dual register: **standard** the first, allowing the replicability of the model,

**but tailored** the second, allowing the scalability of the model and its adaptation to the specific needs of each city.