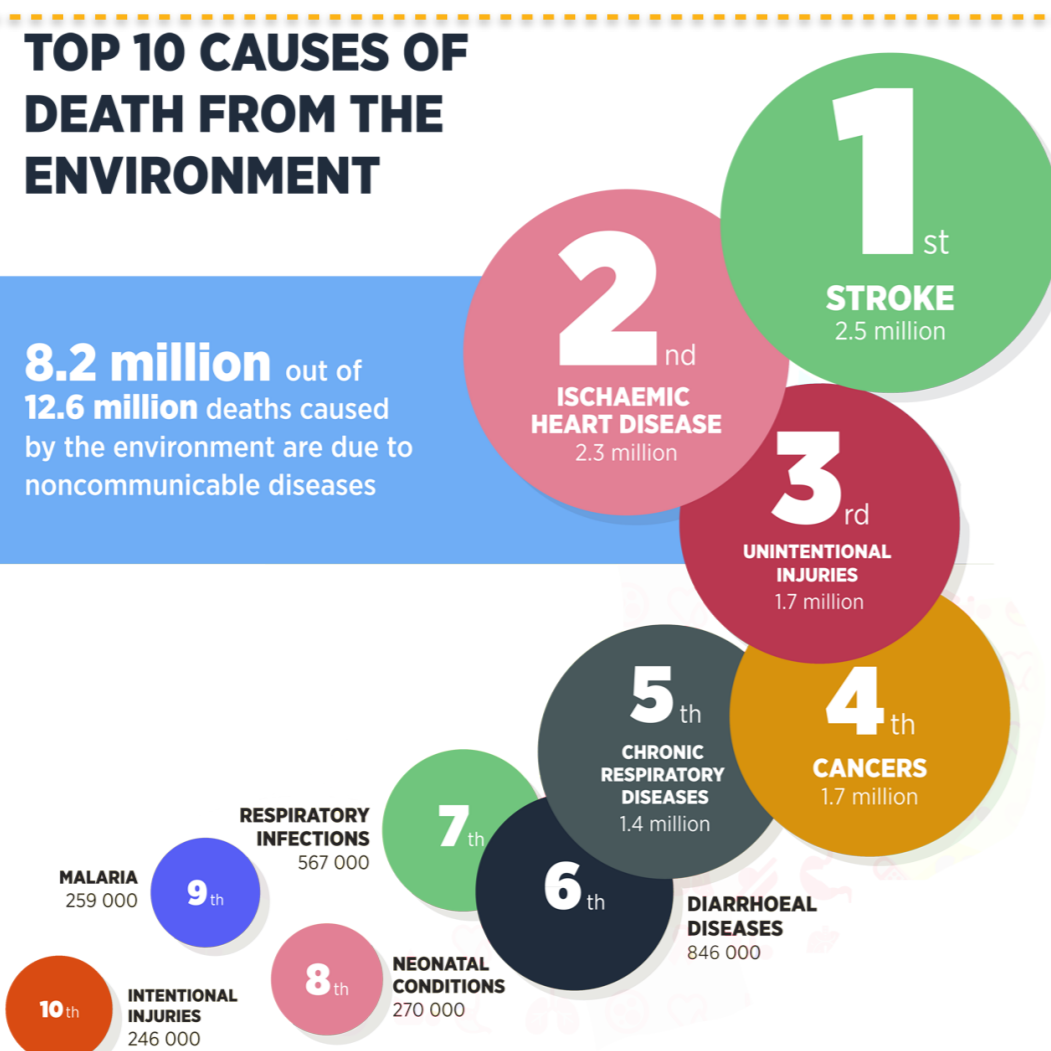
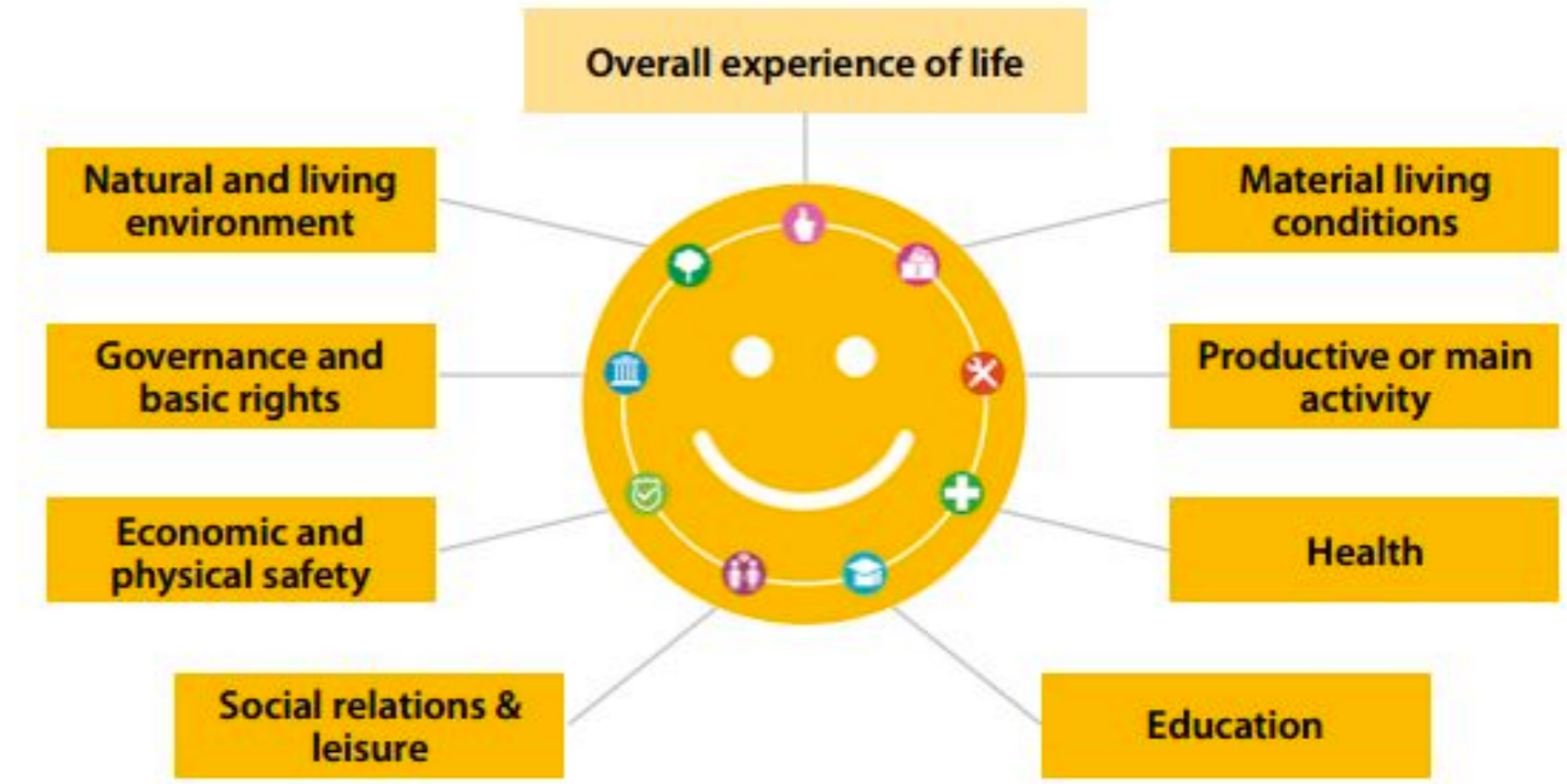
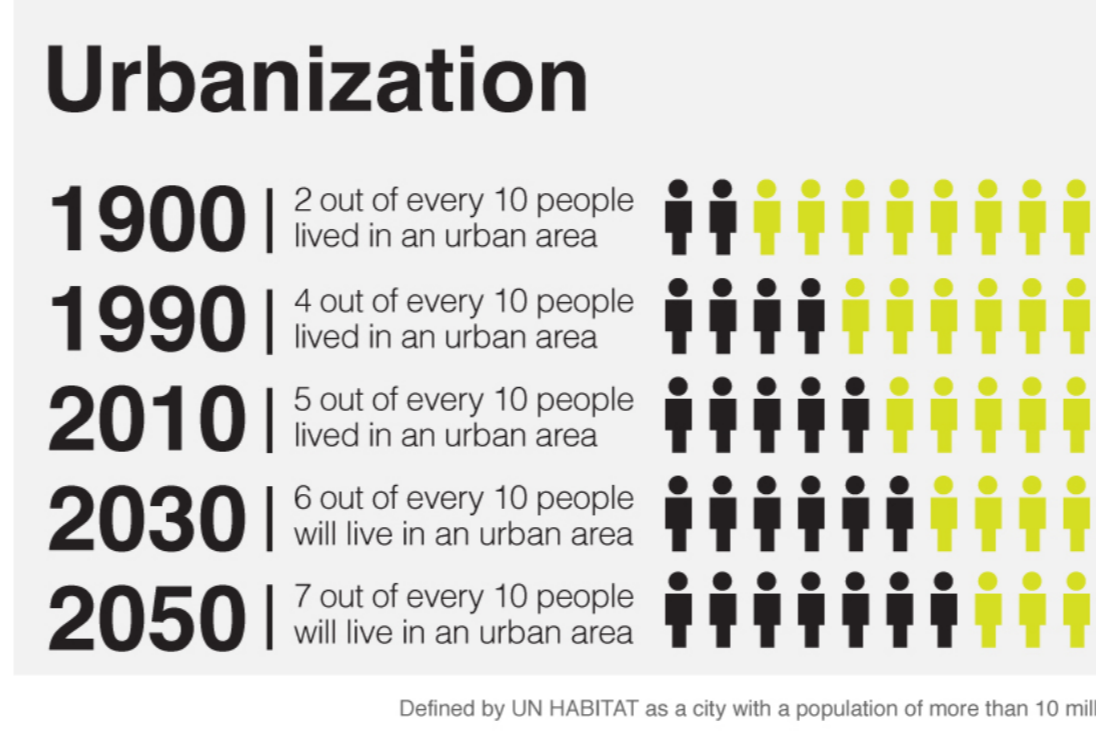


- The Quality of life is tied to the perception of 'meaning'.
- Maslow (1943) stated that people are motivated to achieve certain needs.

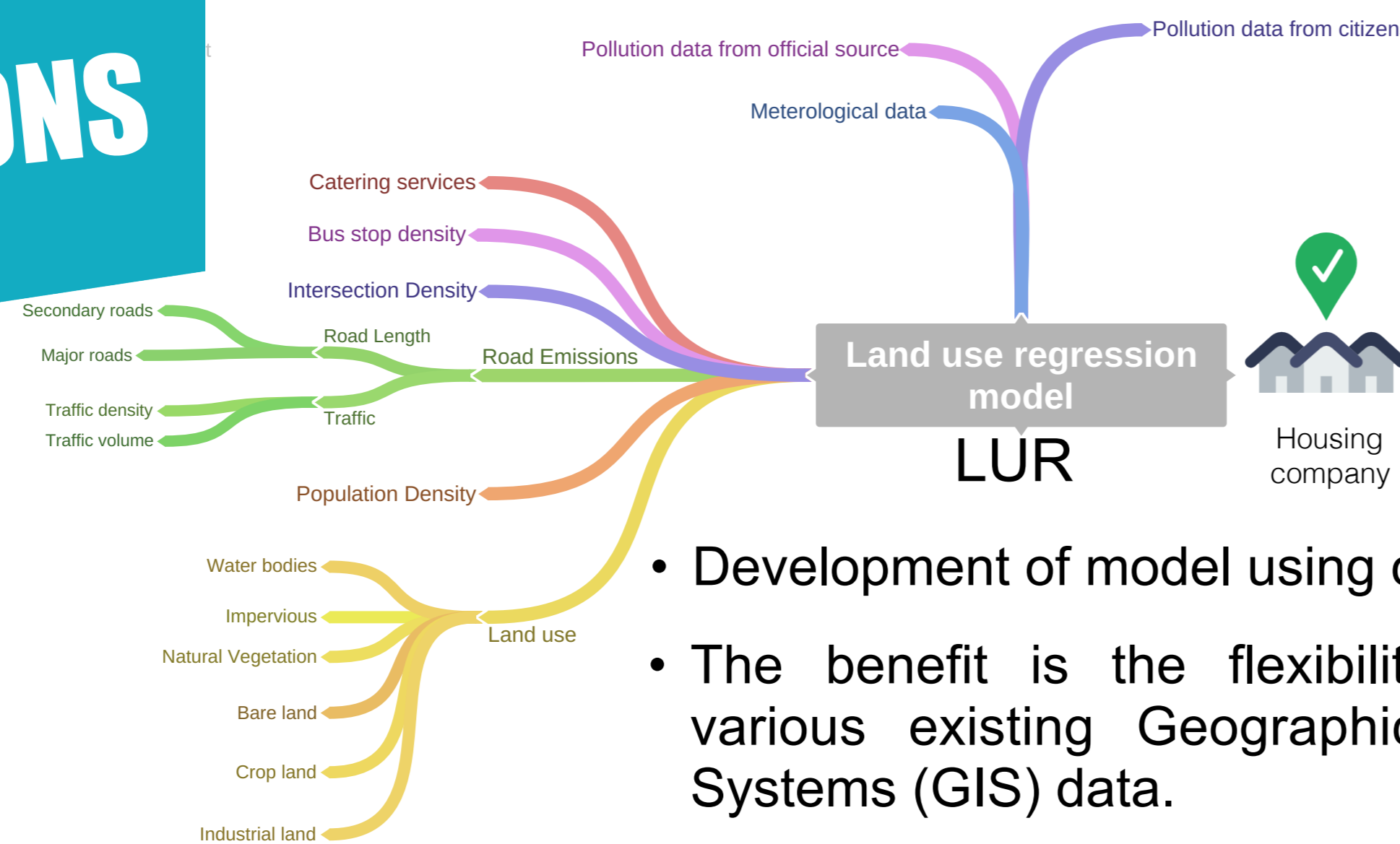
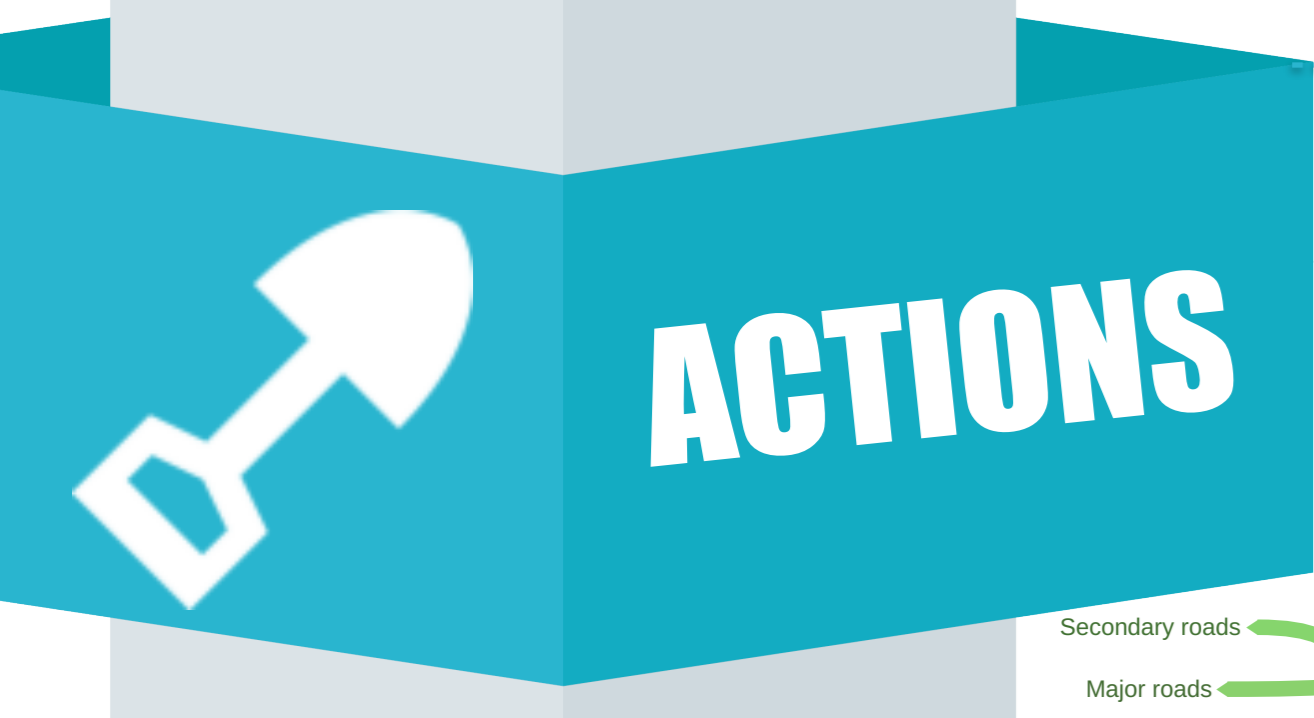
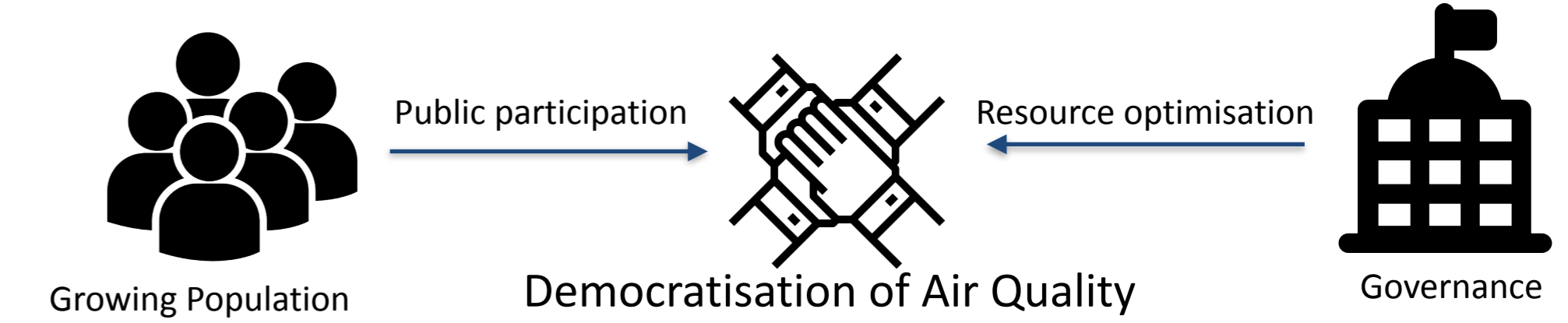
- Air is one of the basic need for survival
- Economic impact regarding health costs and missed days at work and school.



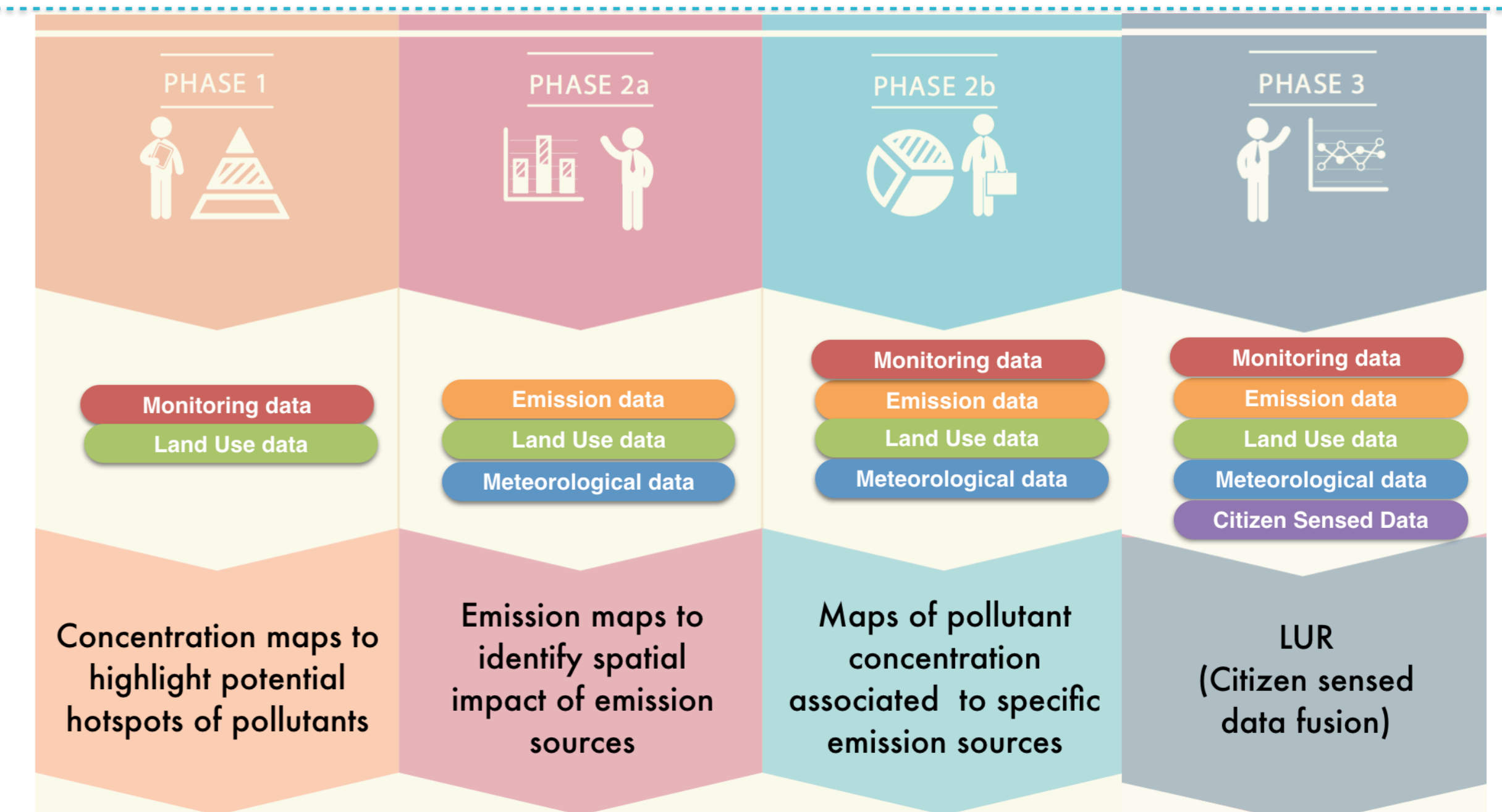
1. Increase in urban population affects environmental conditions. Hence, monitoring exposure at higher resolution is important.



2. Increasing population increases burden over governance of the city; a smart city needs participation (equal contribution) from citizens.

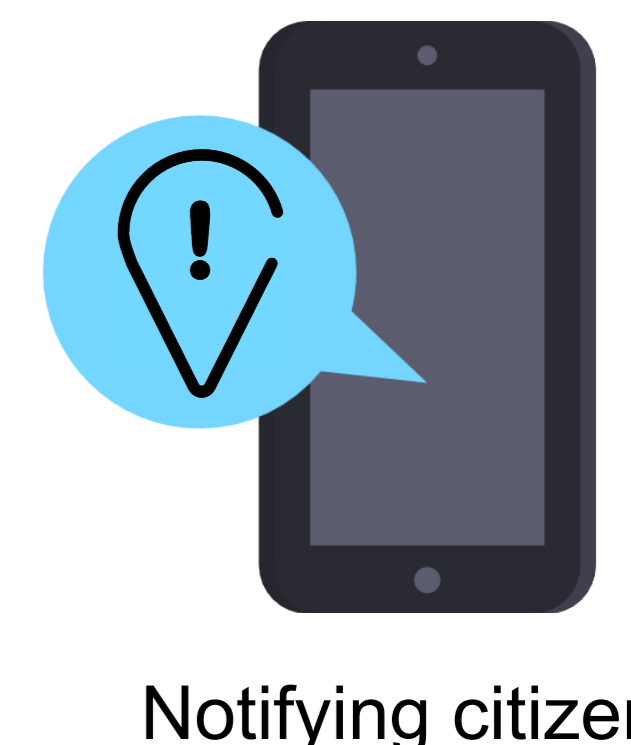
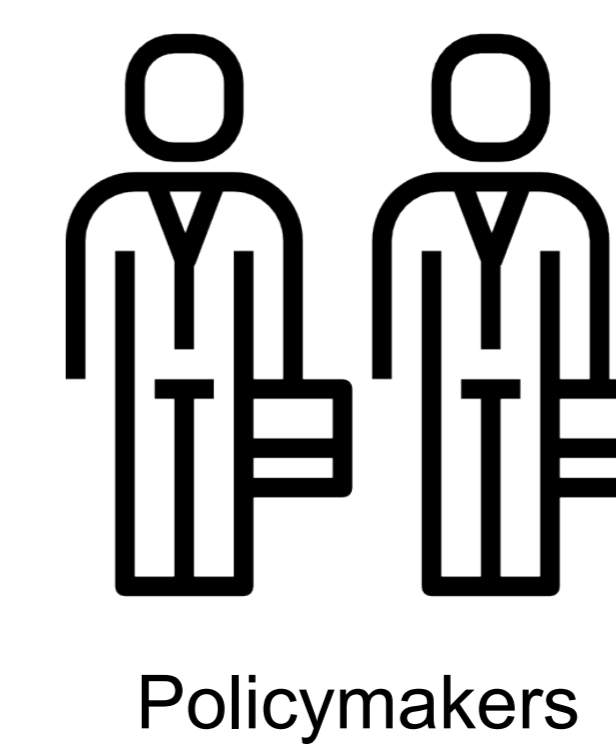
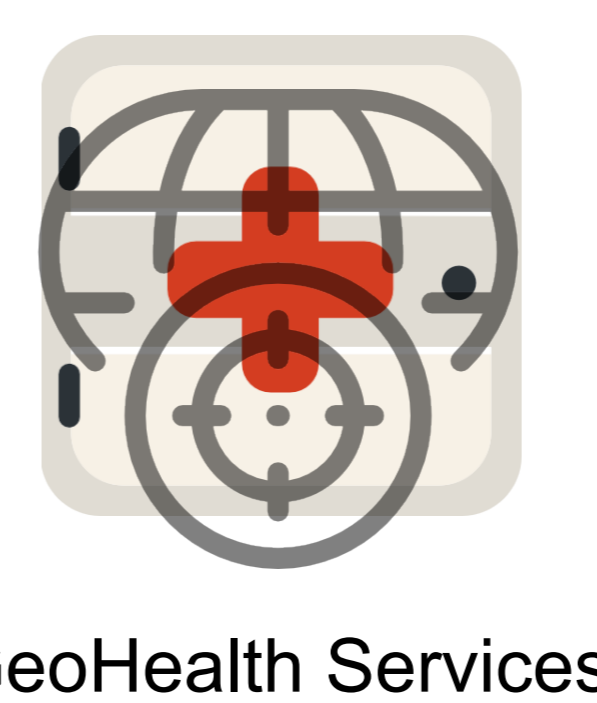
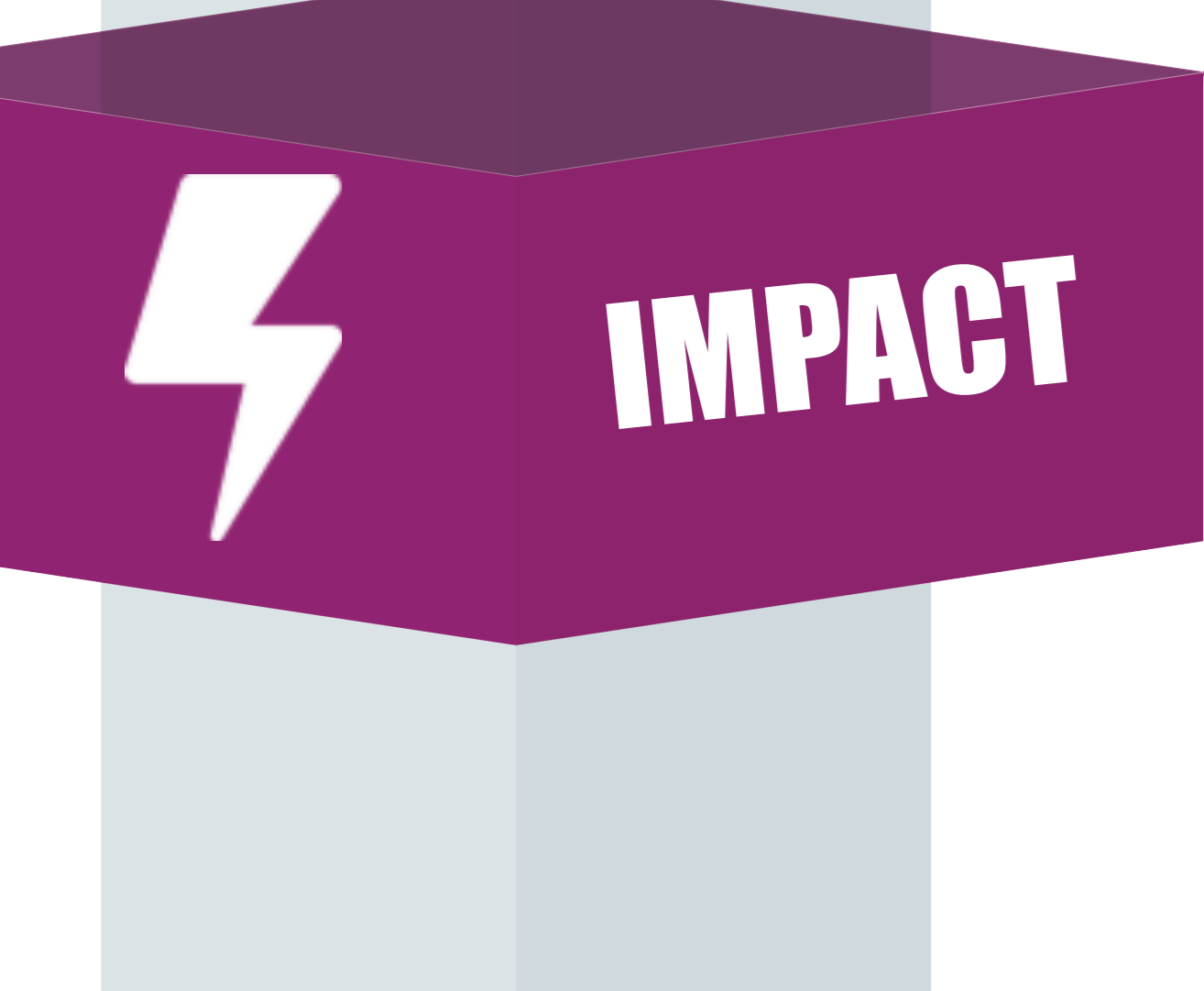
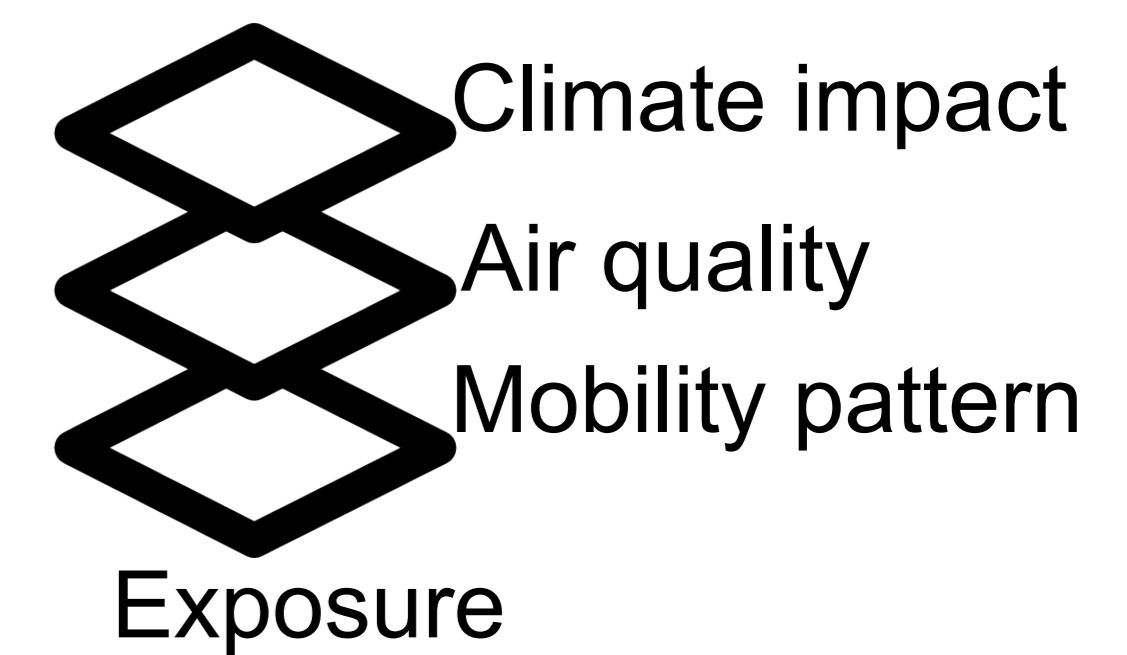
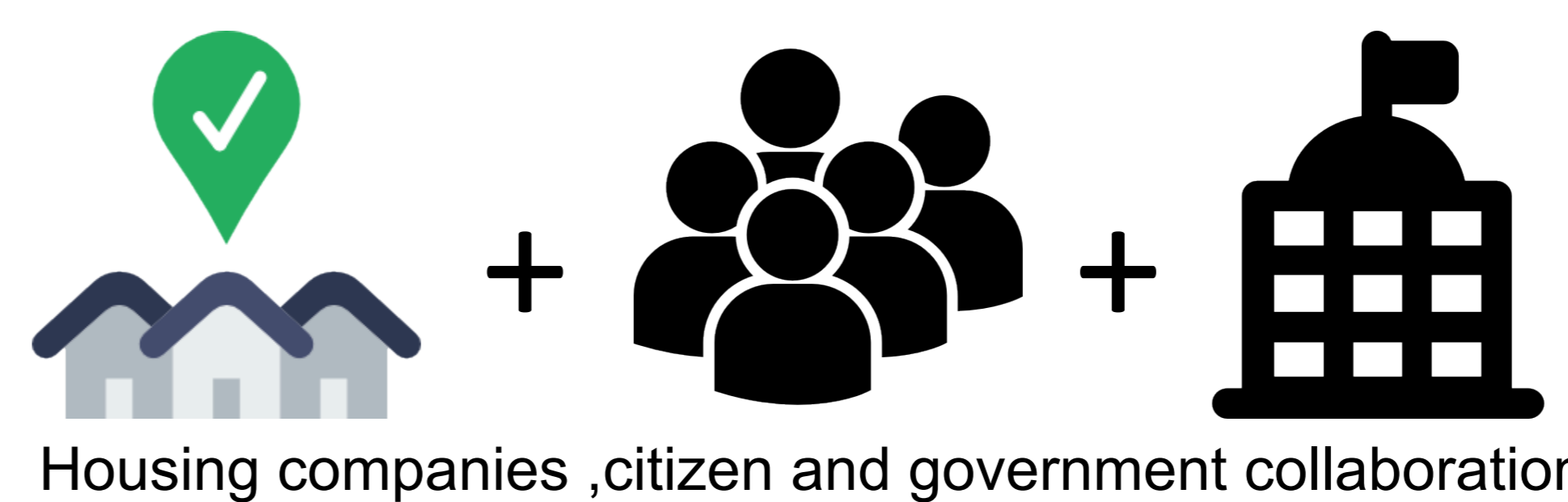
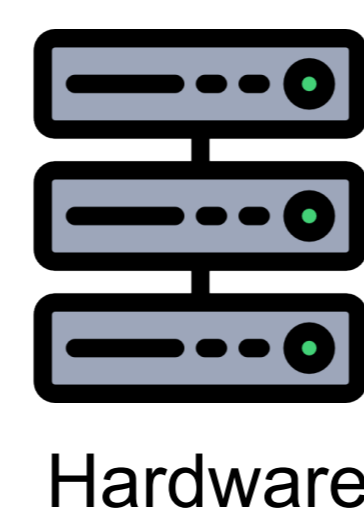
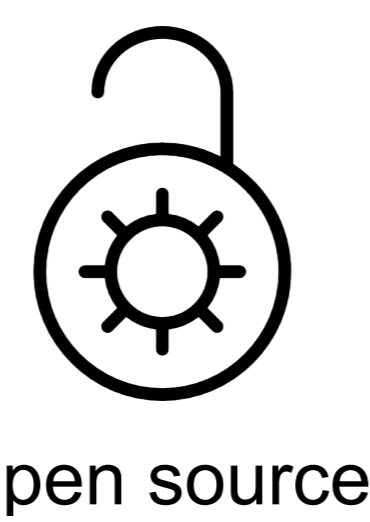
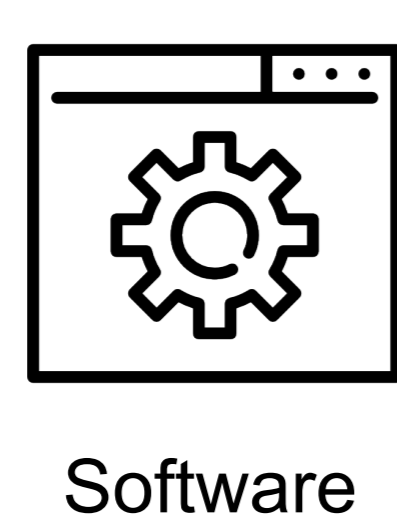
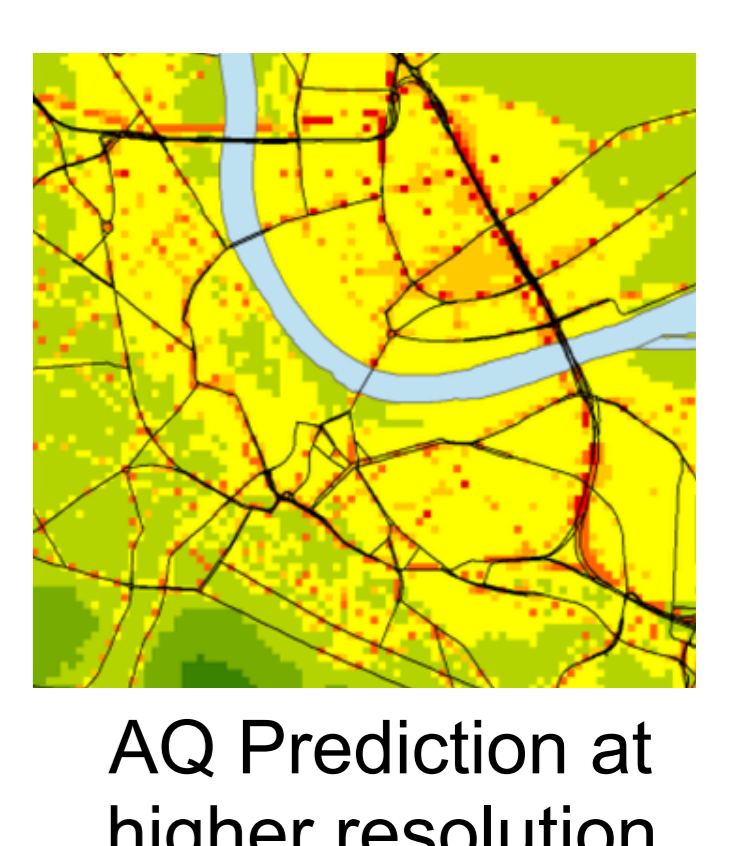
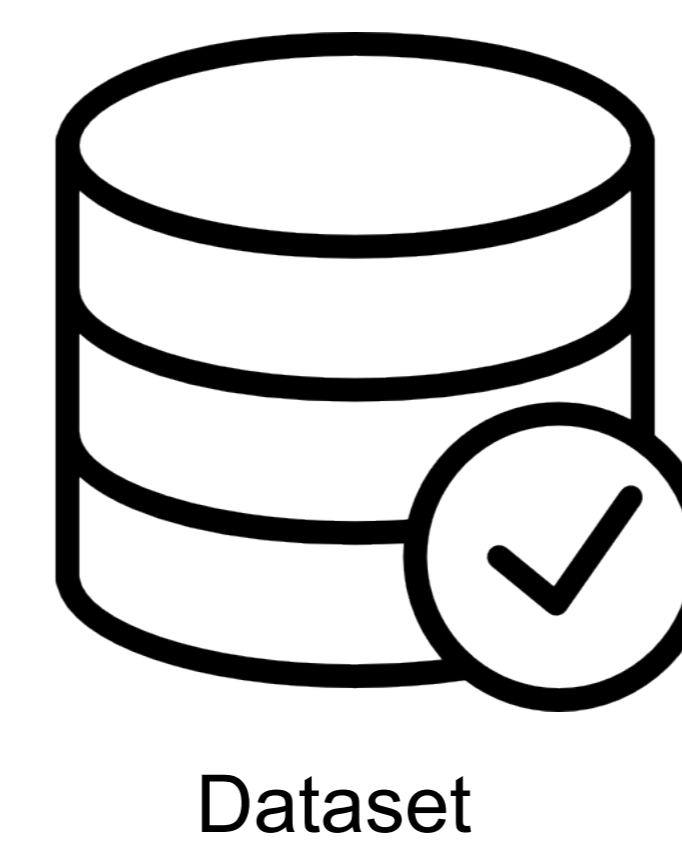


- Development of model using open source tools
- The benefit is the flexibility to include various existing Geographic Information Systems (GIS) data.



Planned scientific contributions :

- Optimal location of monitoring stations for LUR modelling.
- Integration of citizen sensed data for air quality monitoring.
- LUR model to predict air quality at higher resolution in the city.
- Air quality(AQ) exposure analysis for GeoHealth services in Smart City.
- Housing companies as producers of air quality data.



Consortium



Acknowledgements

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