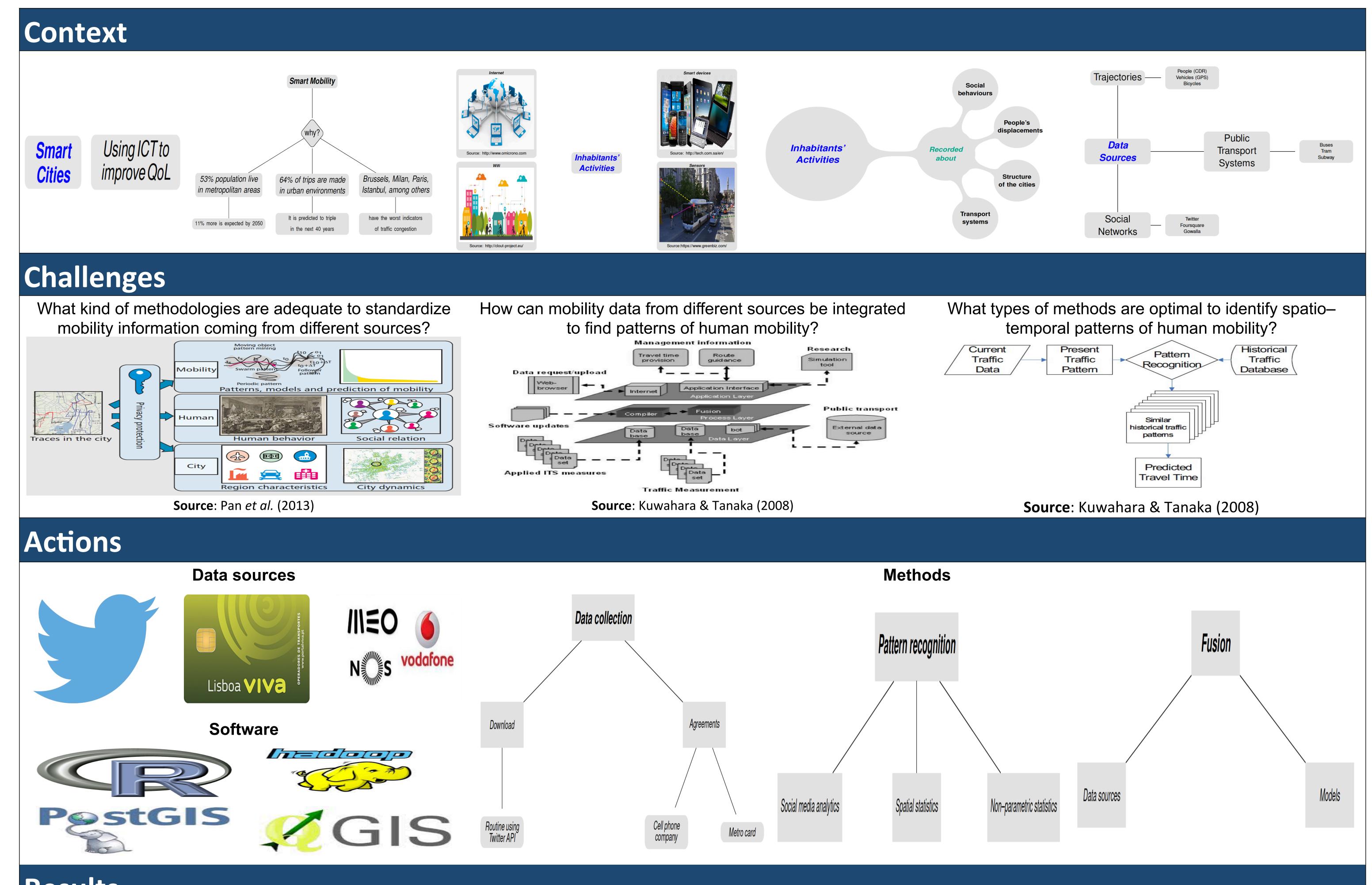
Predictive Analytics – Human mobility patterns investigation from social networks

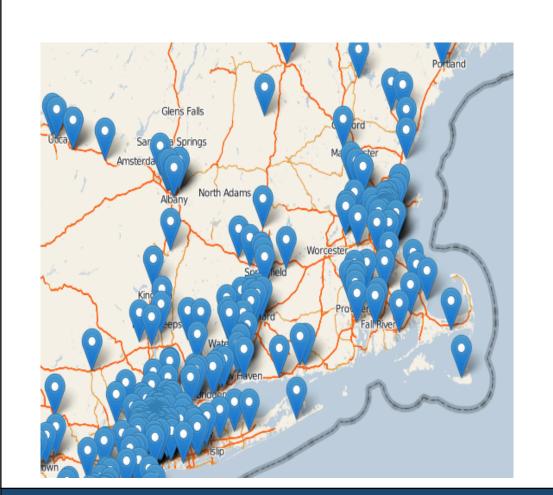


Fernando Santa Universidade Nova de Lisboa

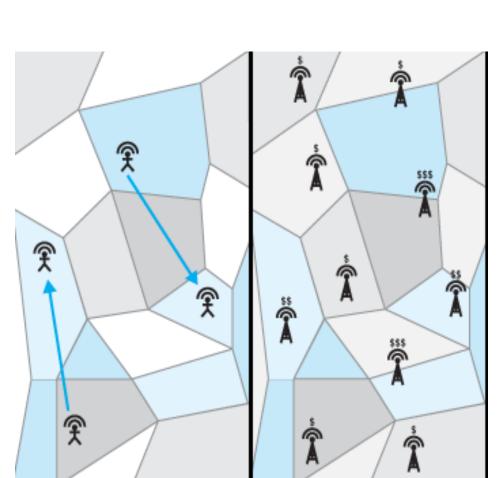




Results







"Spatio-temporal point patterns analysis of geolocated tweets to characterise urban dynamics"



 Develop models to analyse trajectories based on call detail records.

metro.

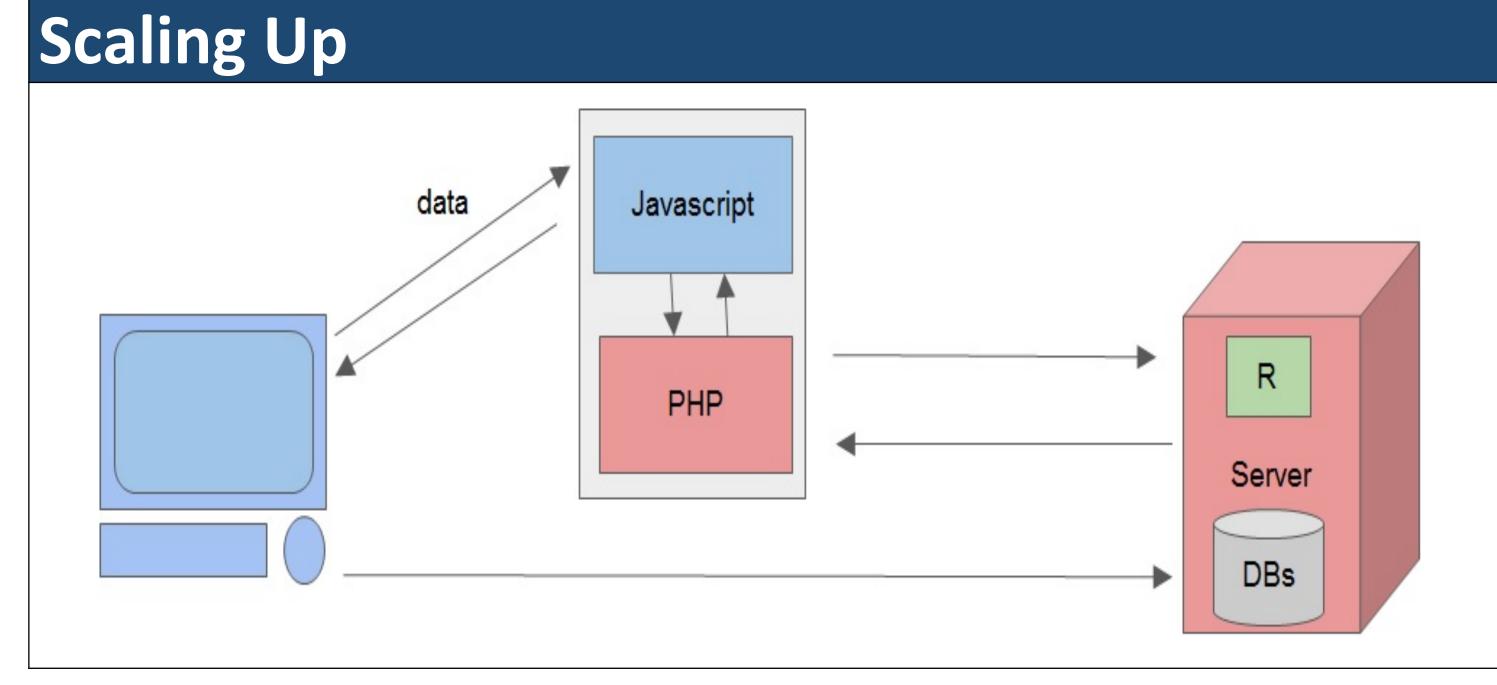
Develop models to analyse origin

destination data from Lisbon's

Human mobility: dimensions, aggregation levels, spatial scales, and models"

• Evaluate alternatives to make data integration.

The Knowledge Engineering Revie



Impact Urban planning **Public security Applications** Healthcare Commerce Transportation Pattern and model of mobility Mobility: Knowledge Individual activity **Human:** Social event City: Region semantics City dynamics Mining: classification, ranking, regression Geographical info. Location string Single trace: Multiple traces: Visiting frequency Co-presence Trace Location semantics Time info. Others: Sensing: GPS, GSM, WiFi, Bluetooth, RFID **Source**: Pan *et al.* (2013)

Consortium







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