Needs for further research

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Financed by:
Data: Access to existing data and need for better data

- Historical data on extreme events (extreme rainfall and temperature)
- Measurement data: PM, NO2, O3 and background measurement data
- Time resolution off the data on measurement of pollutants (is very coarse), important for mitigation strategies
- Data on ammonia emission (important component of PM2.5)
- Environment: Emissions (all sectors) at national level and at urban areas
- Measurements of concentration of all local pollutants in urban areas
- Health impacts due to extreme weather, in particular due to high temperature
- Land use data: Work locations and settlement patterns by socio-economic categories
- Income distributions in urban areas
- Travel survey: At national level and in urban areas
- Car ownership data, car fleet
- Traffic counts: All modes at network level
- Transport related injuries and fatalities
Modelling efforts

- Climate and environment:
  - Modelling for the calculations of concentration of pollutants at city levels
  - Flooding
  - Evacuation plans

- Health impacts:

- Transport model systems:
  - Improvements in the developed model systems based on better data

- Unit values for evaluation
  - Values of travel time savings by mode
  - Economic (monetary) values of mortalities due to exposure to pollutants and extreme health
  - Economic (monetary) values of fatalities and injuries related to traffic accidents
Further need for evaluation

Equity analyses
  - Environmental justice
  - Socio-economic
  - Related to gender
  - Accessability

Livability

Economic impacts
Further suggestions are welcome

Thank you