The impact of local transport system on green infrastructure – policy versus reality

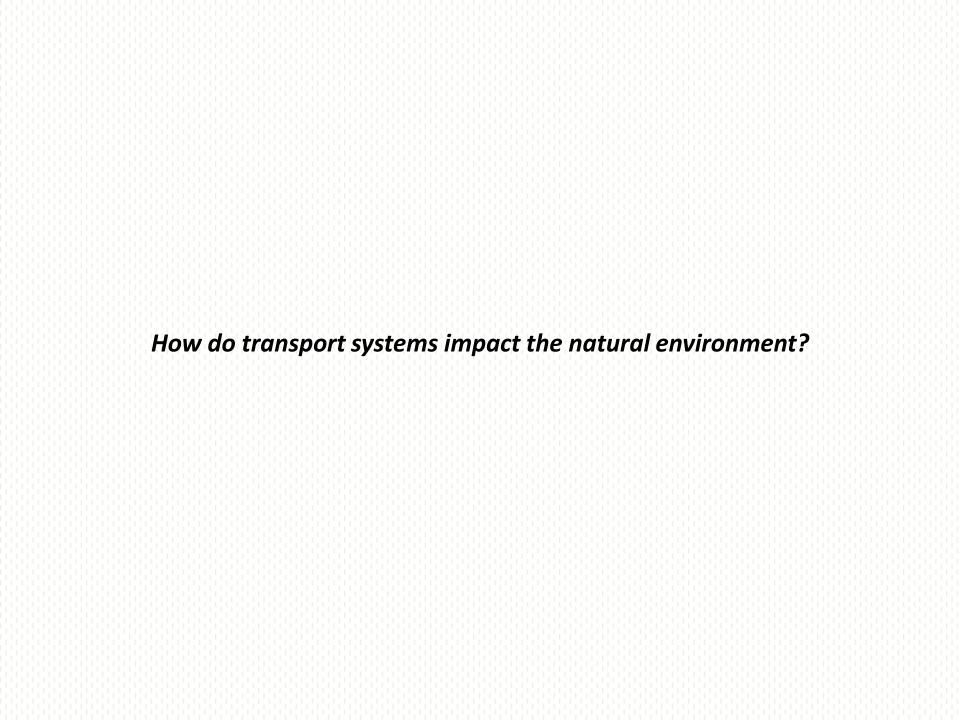
The case of Poznan, Poland

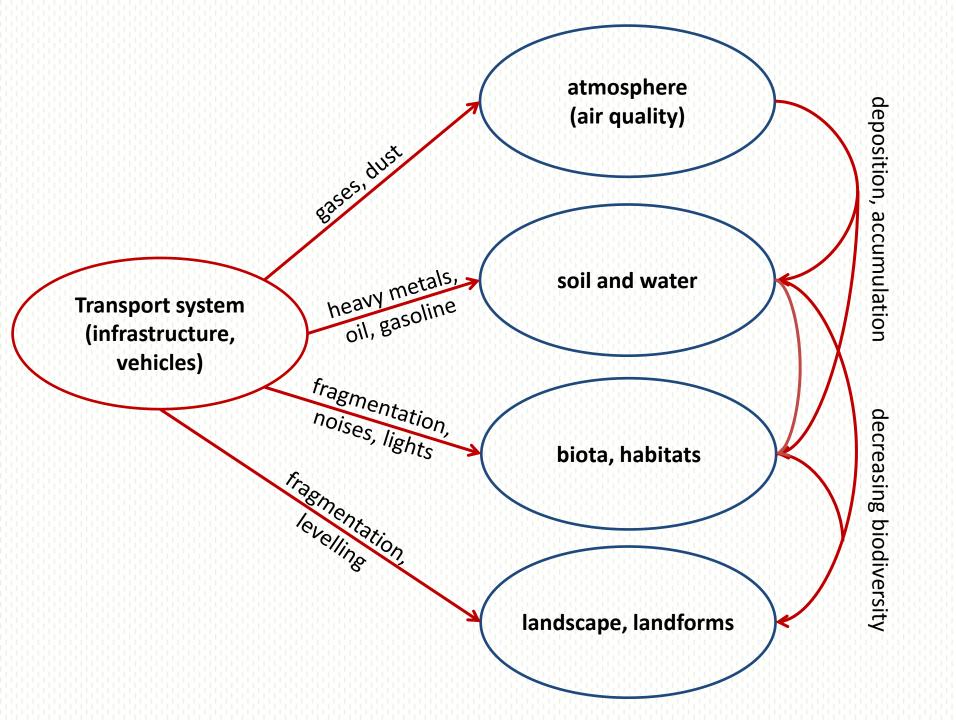
Jędrzej Gadziński

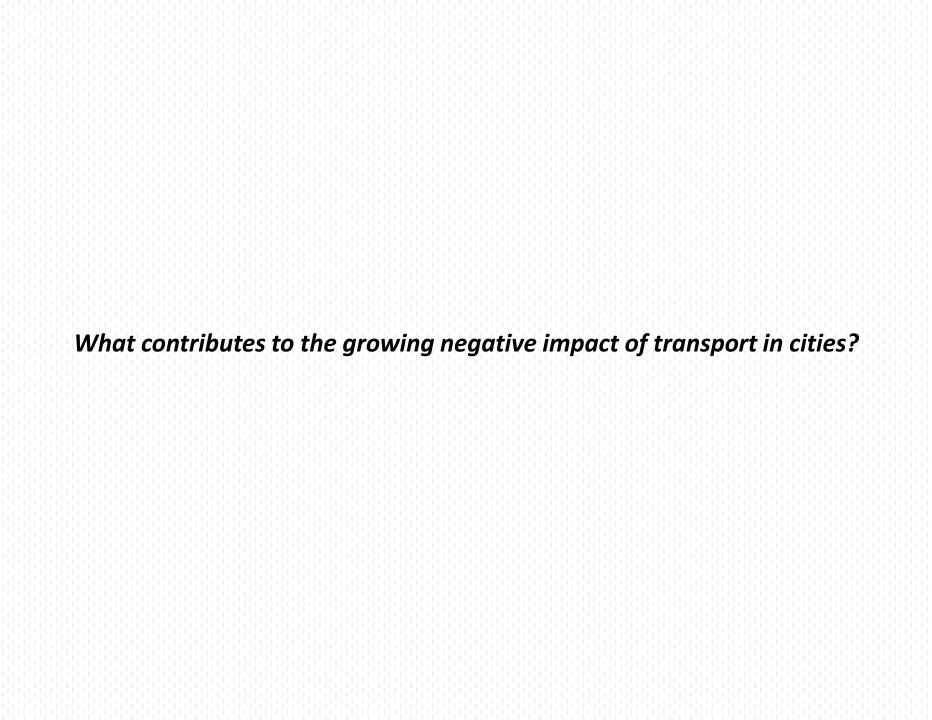
Adam Mickiewicz University in Poznan
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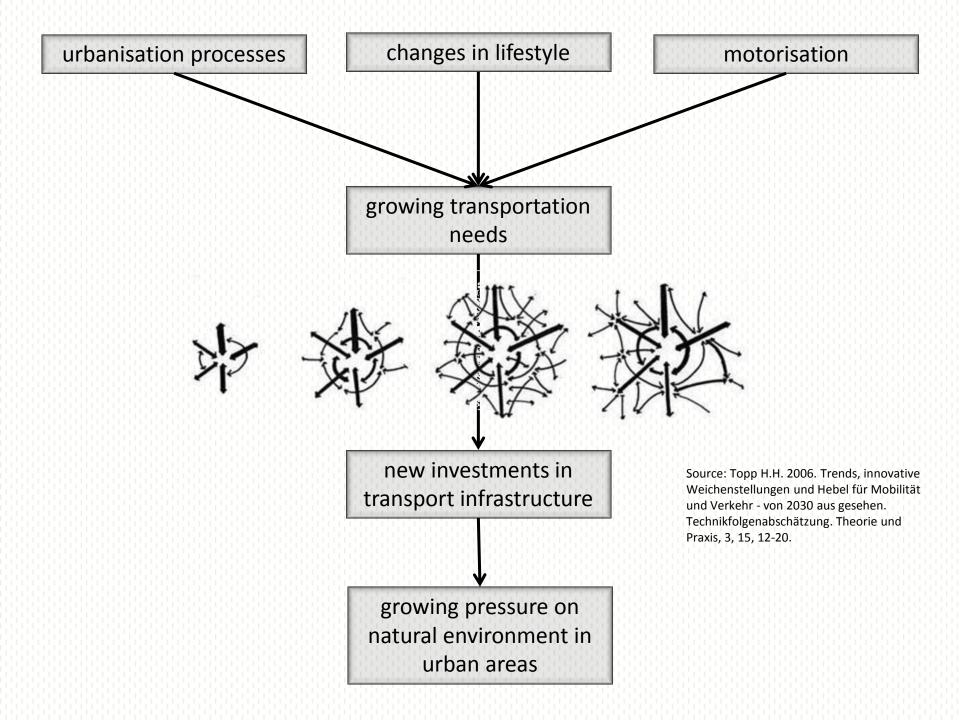
Contents of presentation

- 1. Introduction:
- Impact of transport systems on natural environment,
- Cities as the places with the concentration of negative impact.
- 2. Poznan Metropolitan Area as a case study:
- Recent transport policy,
- Increase of roads impact after 2006
- Perspectives for the future
- 3. Recommendations and conclusions



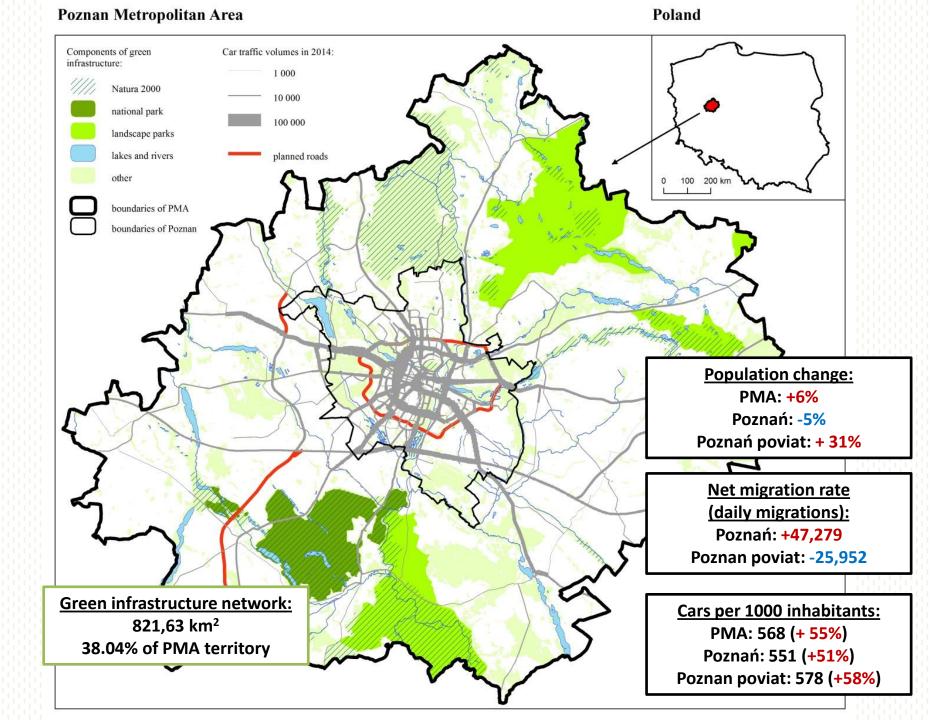








(case study of Poznan Metropolitan Area)

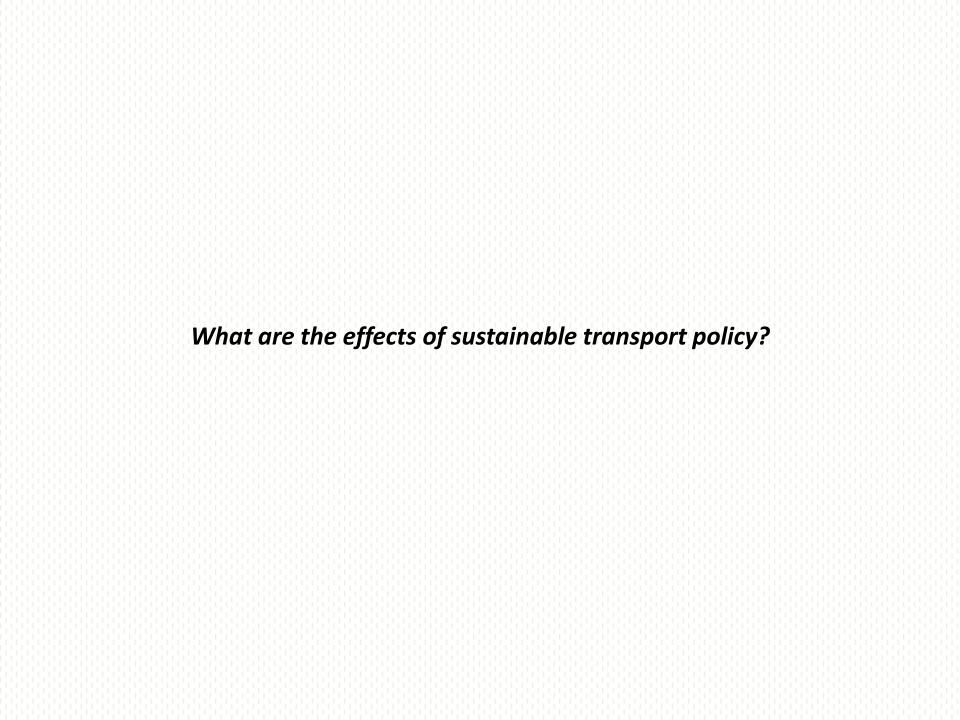


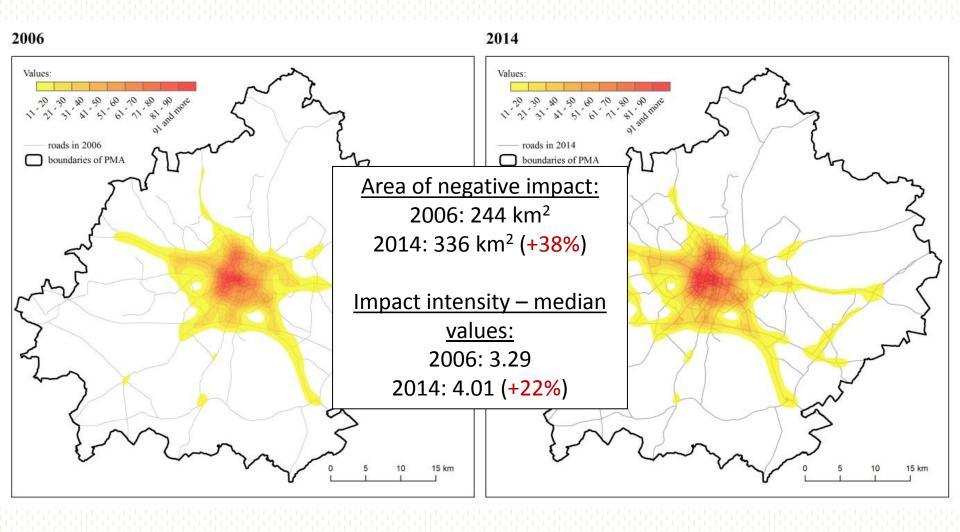
Transport policy objectives in PMA (since 2006):

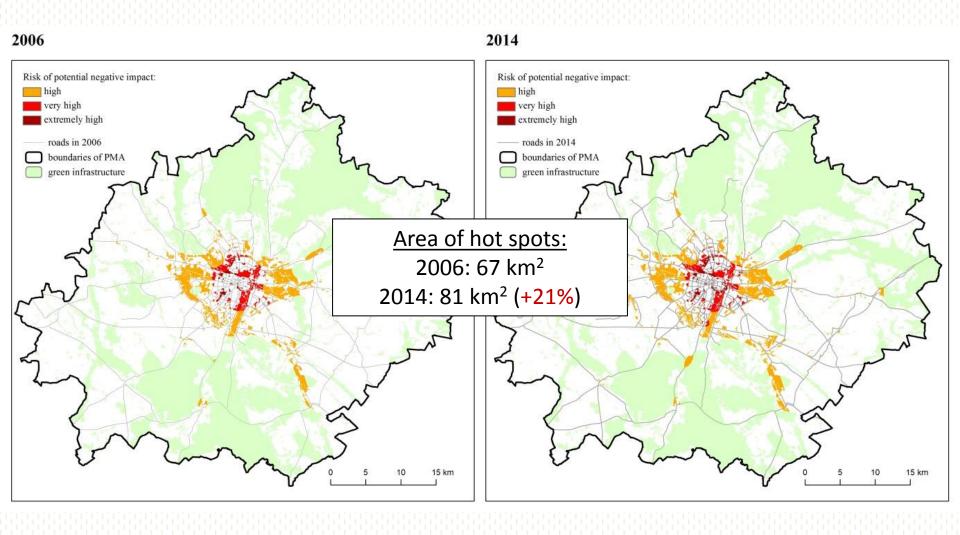
sustainable development of transport system in Poznan Metropolitan Area
 with an achievement of ecological, social and economic goals

ecological goals:

- to reduce emissions of air pollutions and noises,
- to protect natural areas from new transport investments,
- to implement restrictions to car traffic,
- to increase the percentage of public transport in the travels,
- to triple the percentage of bicycle traffic in the city transportation,
- to eliminate the heavy vehicle traffic through the city,
- to change travel behaviour and reduce car traffic.
- to integrate different modes of transport.



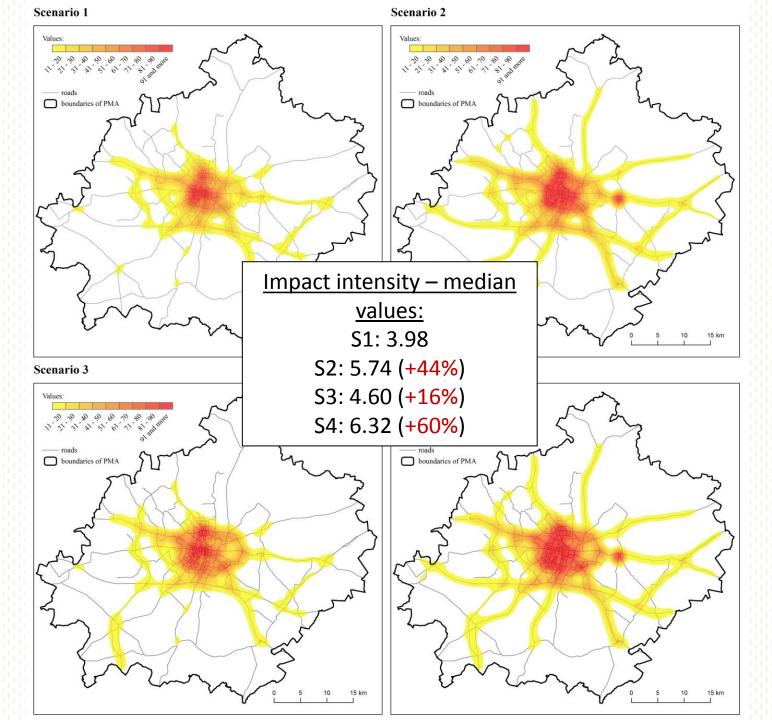


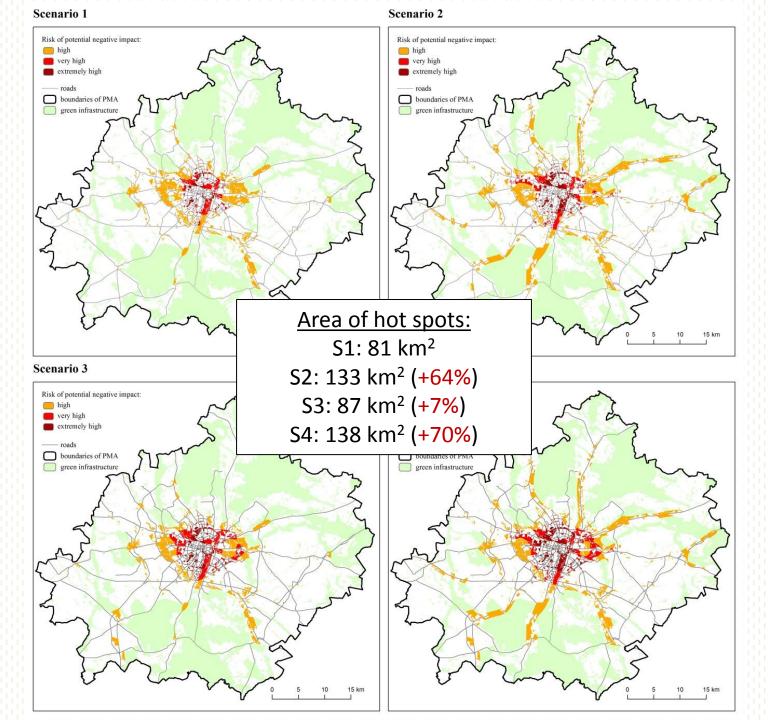


Perspectives for the future?

Possible scenarios in 2025:

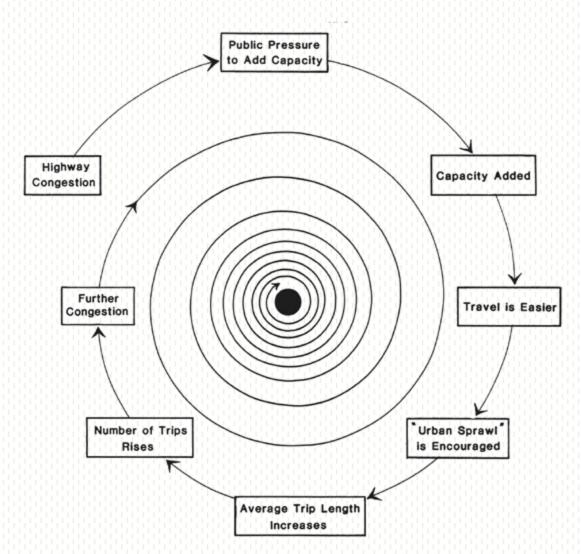
	Car traffic volumes on roads	Network development
Scenario 1	stable	no new infrastructure investments
Scenario 2	increase	no new infrastructure investments
Scenario 3	stable	realisation of planned investments
Scenario 4	increase	realisation of planned investments





Future transport policy?

a never-ending programme of road building is not the answer



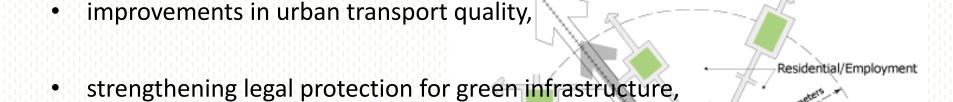
"Initial investments in improved highway facilities result in greater ease of travel and hence altered travel patterns — an increase in average trip length and in the number of trips being made. Over time [...] this increased demand stimulated by the initial investment in increased transport supply fuels the need for even more facilities, and the feedback process repeats itself."

Plane D.A. 1986. Urban transportation: Policy alternatives. [In:] S. Hanson (red.), The geography of Urban Transportation. The Guilford Press, New York, London, s. 386-414.

So what to do?

Complex urban planning focused on sustainable development goals:

reduction of movement needs (TODs),



establishing new links and corridors between elements of green infrastructure network,

Core Commercial/Employment

Open Space

Thank you for your attention!

dr Jędrzej Gadziński

Adam Mickiewicz University in Poznan
Institute of Socio-Economic Geography and Spatial Management
Dziegielowa 27,
61-680 Poznan

(+48) 516 103 533 jedgad@amu.edu.pl