

A people-centred approach to accessibility

Karel Martens

Technion - Israel Institute of Technology (IL)
Radboud University (NL)



הטכניון
מכון טכנולוגי
לישראל

Technion
Israel Institute
of Technology

Radboud University



Transport planning as an institution

Institutions as rules of behavior

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“The prescriptions that humans use to organize all forms of repetitive and structured interactions including those within ... governments at all scales” (Ostrom 2009)

Transport planning as an institution

**The set of rules prescribing how decisions
regarding interventions in the transport system
are to be prepared.**

Rules of transport planning

Definition of
transport problems

Scope of
impacts

Range of
solutions

Role and type
of models

Proper approach
to assessment

...

Traditional transport planning





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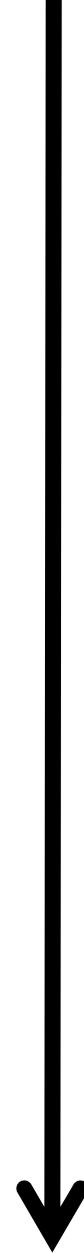
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Rules of traditional transport planning

Predict future demand for travel
using travel demand model



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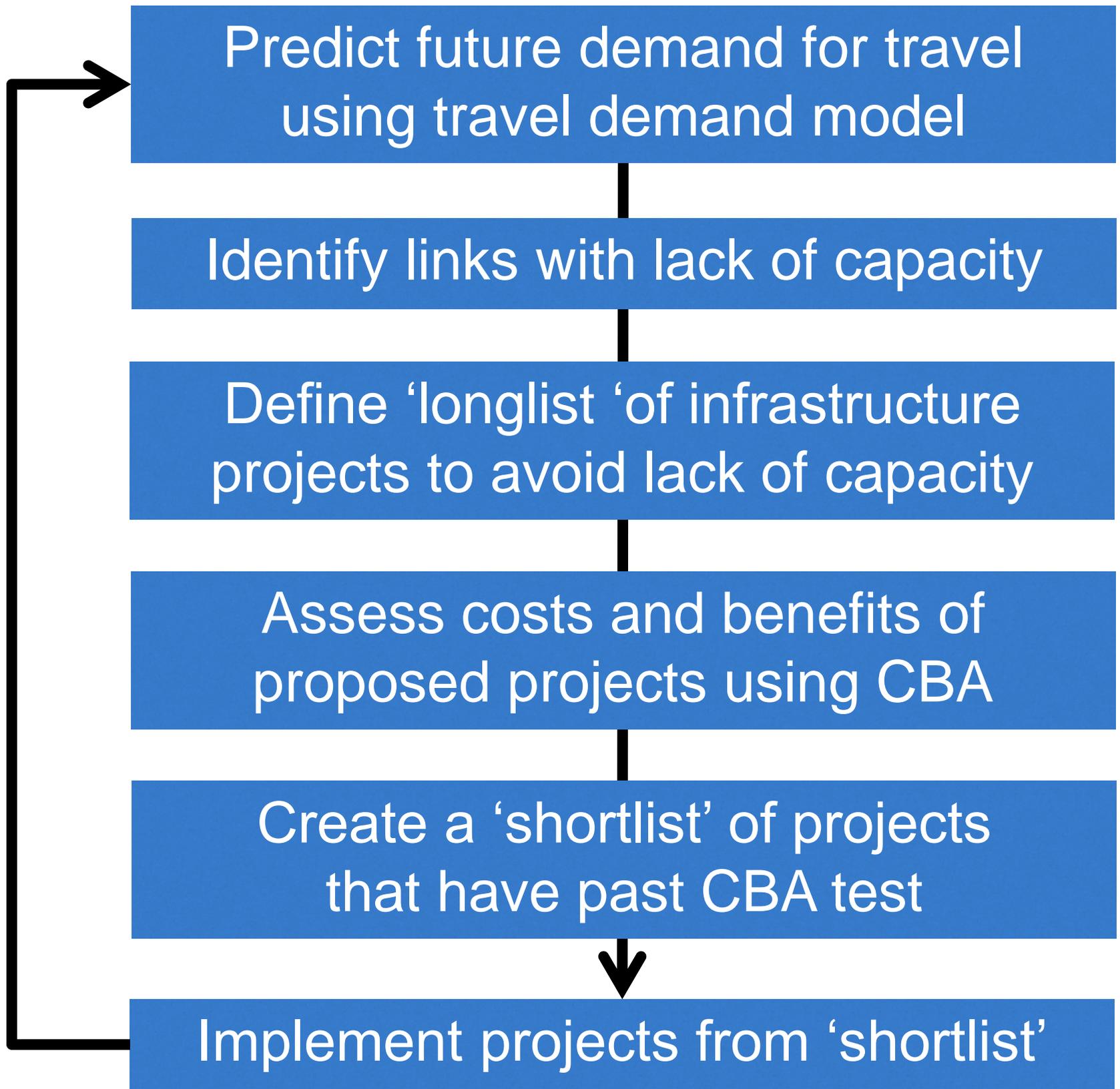
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Create a 'shortlist' of projects
that have past CBA test

Implement projects from 'shortlist'



The accessibility shift

Motivations for the shift

- Impact-driven critique
- Theoretical critique

→ Two possible shifts

The radical shift

- Broadening of goals of transport planning
- Broadening of the toolbox

Critique of the radical shift

- Transport planning becomes (urban) planning
- Role of transport planner?
- Accessibility unsuitable as performance indicator

The limited shift

- Replacement of mobility indicators by accessibility metrics
- Use of “accessibility gains”
- Different KPI, different planning outcomes

Problems of using accessibility gains

- Group size effect
 - Geometry effect
 - Valuation effect
- Traditional solutions likely outperform sustainable solutions

People-centered approach



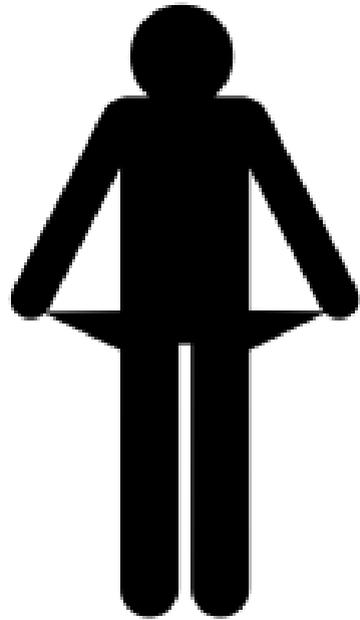
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All but forgotten ...





Transport Justice

Designing Fair Transportation Systems

Karel Martens



*Thought
experiment*



***Every person is entitled to a
sufficient level of accessibility
(under virtually all circumstances)***

***A fair transport system provides
sufficient accessibility to all
(under virtually all circumstances)***

***A transport problem occurs whenever
the transport system fails to provides
sufficient accessibility to all***

Transport planning:
The field of government intervention
that seeks to guarantee sufficient
accessibility for all through
interventions in the transport system.

To conclude ...

Moving towards accessibility

- Replacement of KPI is not enough
- Redefinition of transport problem is necessary
- Transport planning should focus on people, not on transport system



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Questions?

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kmartens@technion.ac.il