



Transition through Dialog: a Stakeholder Based Decision Process for Cities

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Summary of yesterday



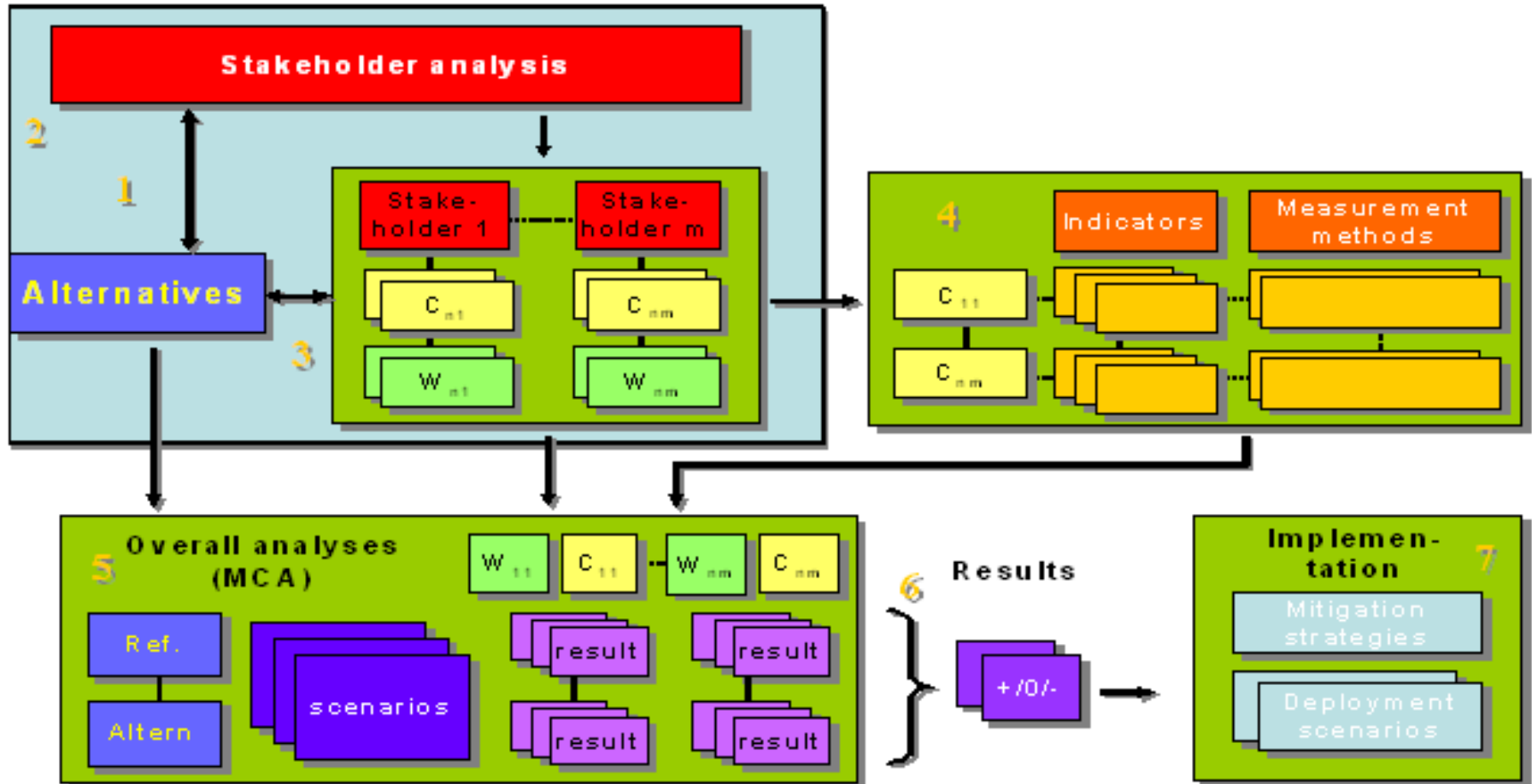
Tamansourt and Tamesna



Actors involved

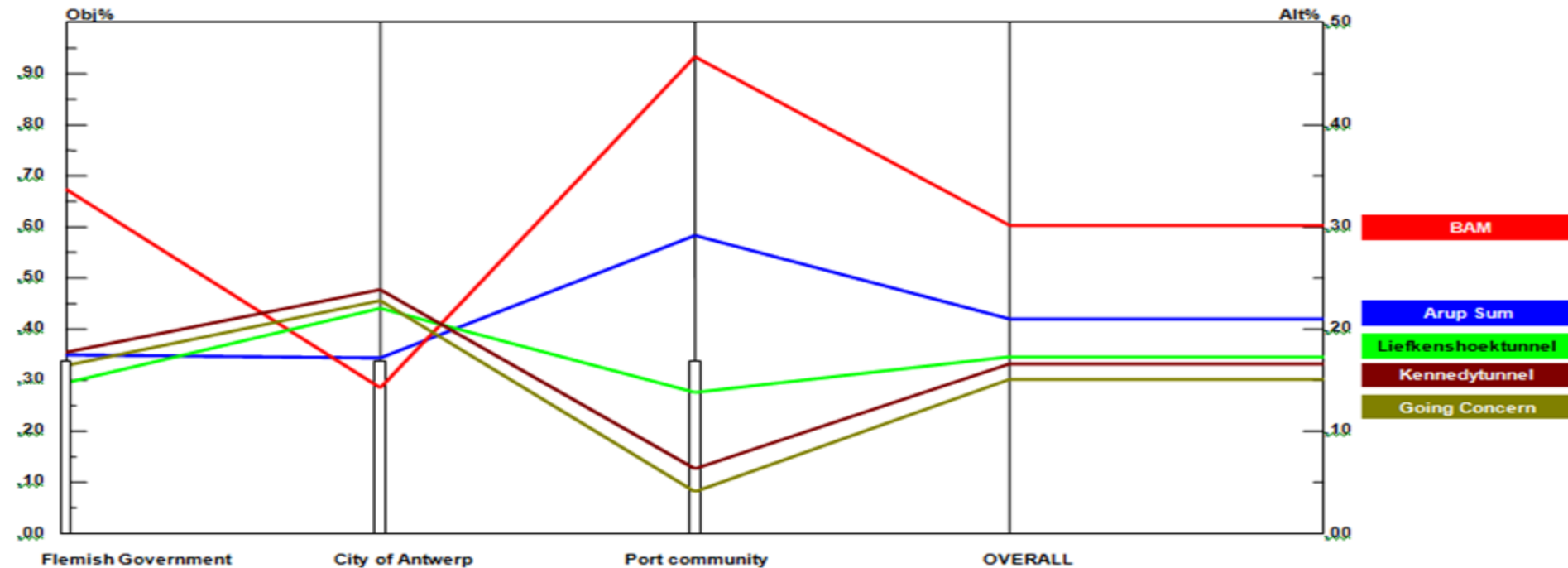
- Cities
- Region
- National level
- Farmers
- Residents
- Building sector
-

Multi Actor Multi Criteria Analysis MAMCA

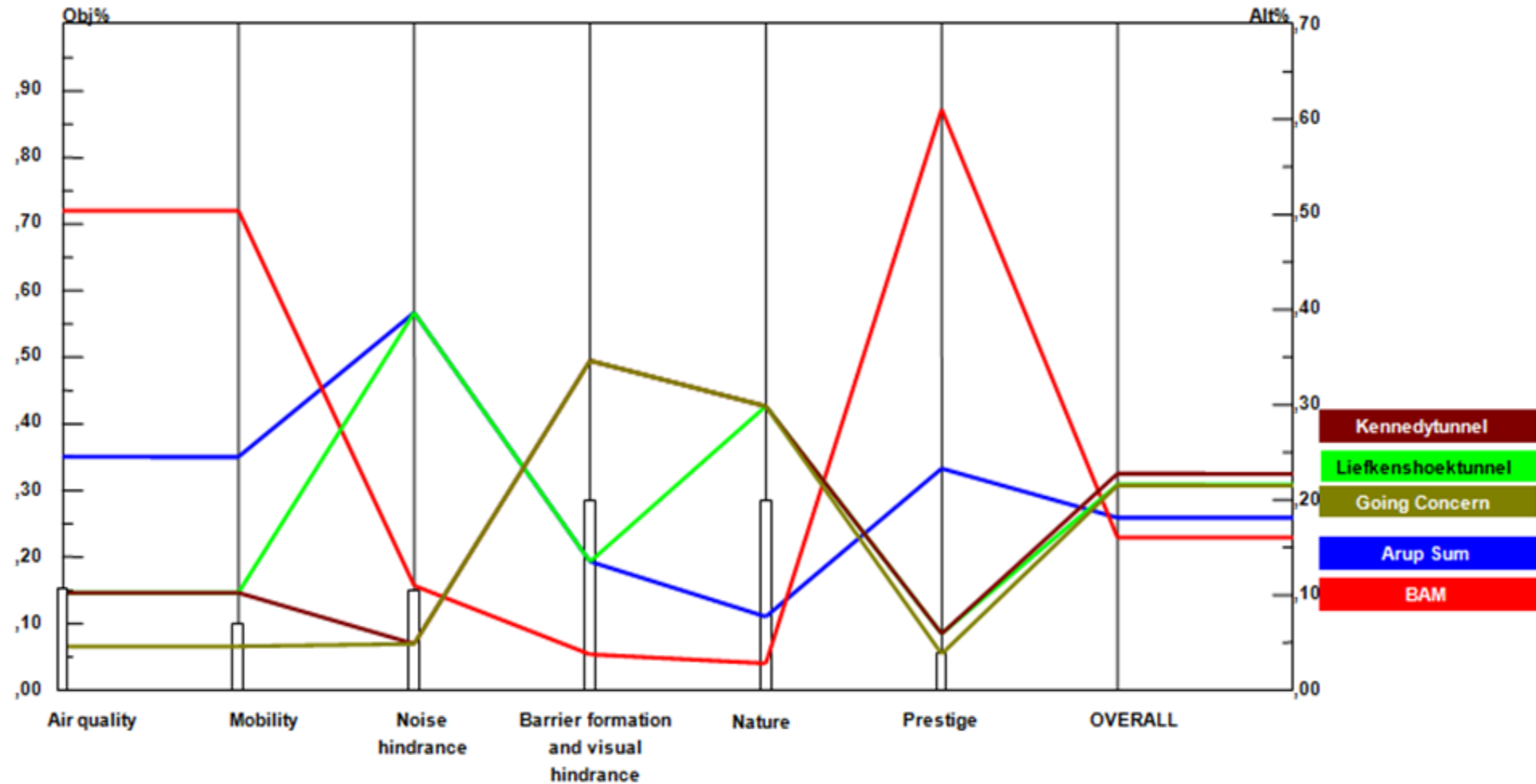


Source: Macharis, 2004

Step 6: Multi – actor view



Step 6: City of Antwerp



Sustainable city logistics

Rush and land use in town



Insecurity in traffic, or external security (hazardous substances)



Logistics is a condition for economic activity, but it also causes nuisance

Congestion



Emissions, bad smell, noise for residents



Actors involved

Shipper

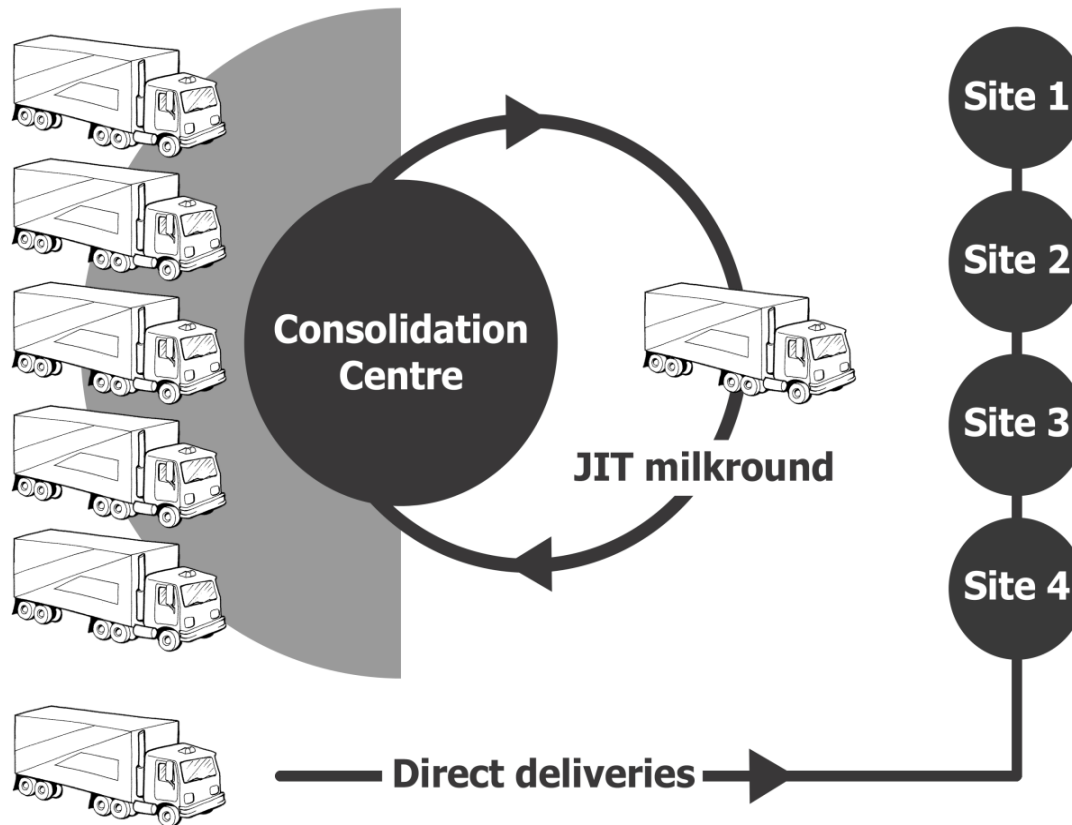
Receiver

LSP

Authorities

Citizens

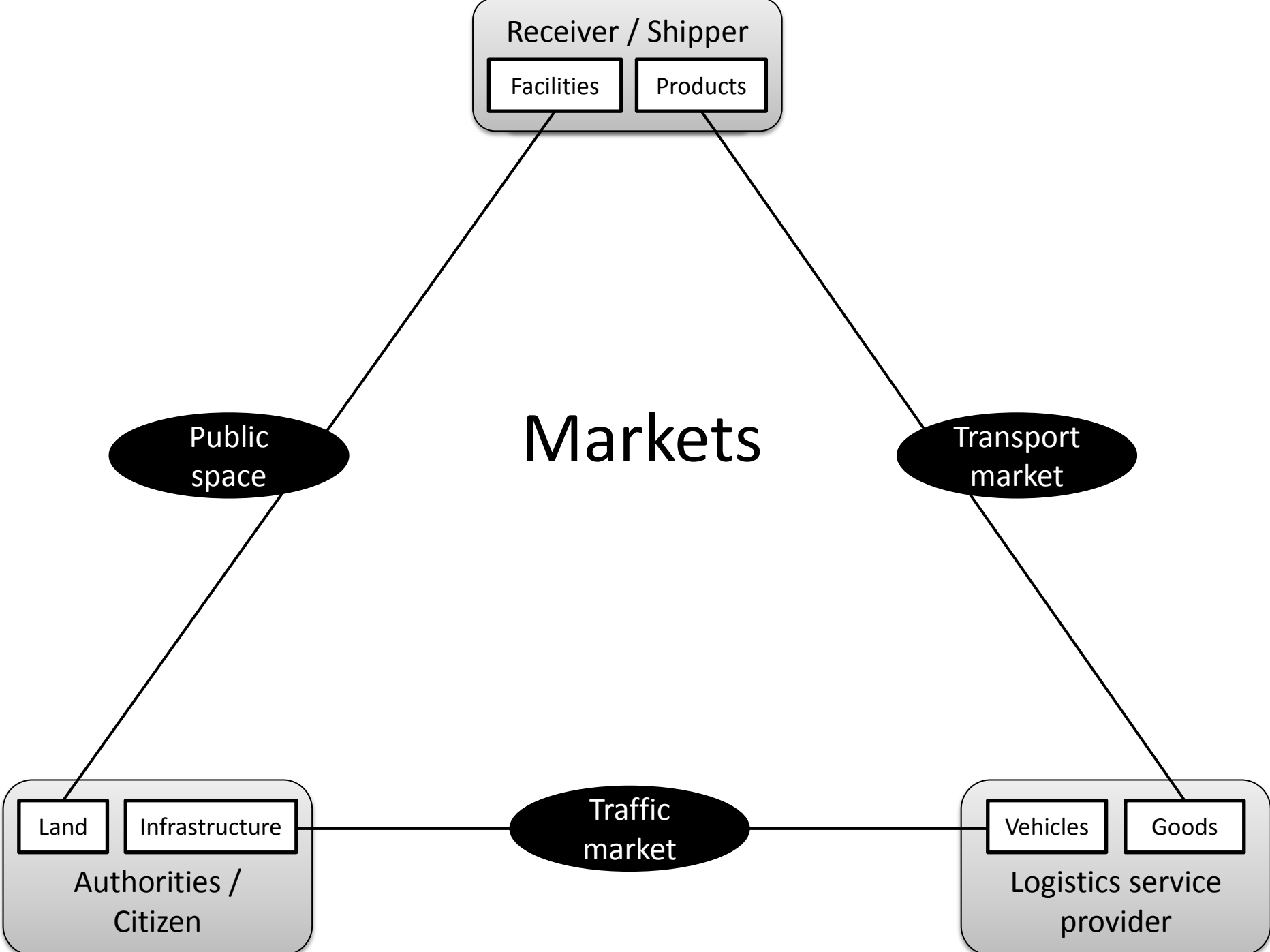
Why it fails (1)



The list is long:
Leiden
Malaga
Nuremberg
Utrecht
....

Why it fails (2)





Receiver / Shipper

Facilities

Products

Markets

Public space

Transport market

Traffic market

Land

Infrastructure

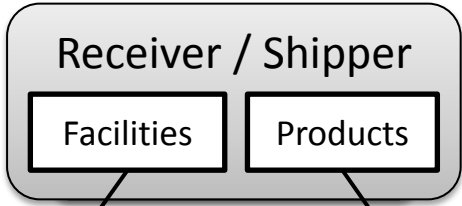
Authorities /
Citizen

Vehicles

Goods

Logistics service
provider

Objectives



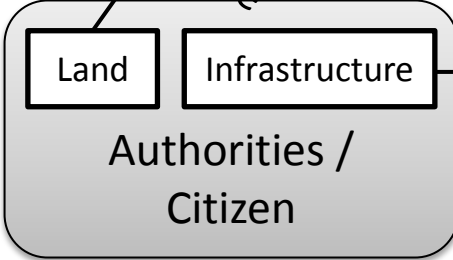
Attractive urban environment (R)
Security (R)
Green concerns



Successful pick-ups (S)
High level deliveries (R)
High level service (S)
Low transportation cost



Acceptance (A)
Business climate (A)
Low cost measures (A)
Enforcement (A)
Quality of life

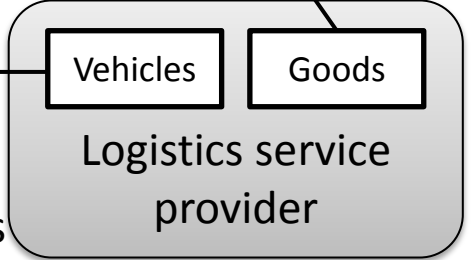


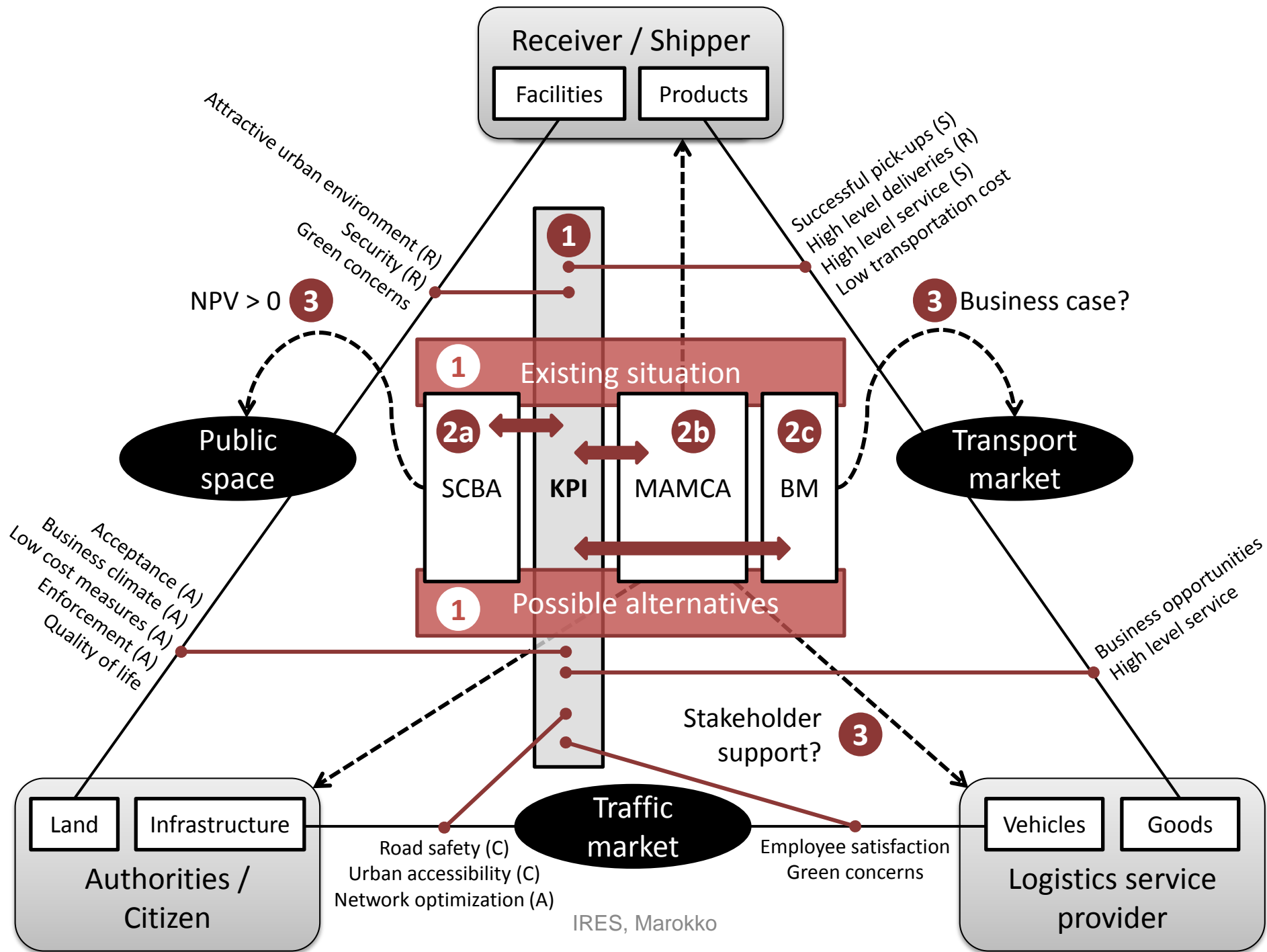
Road safety (C)
Urban accessibility (C)
Network optimization (A)



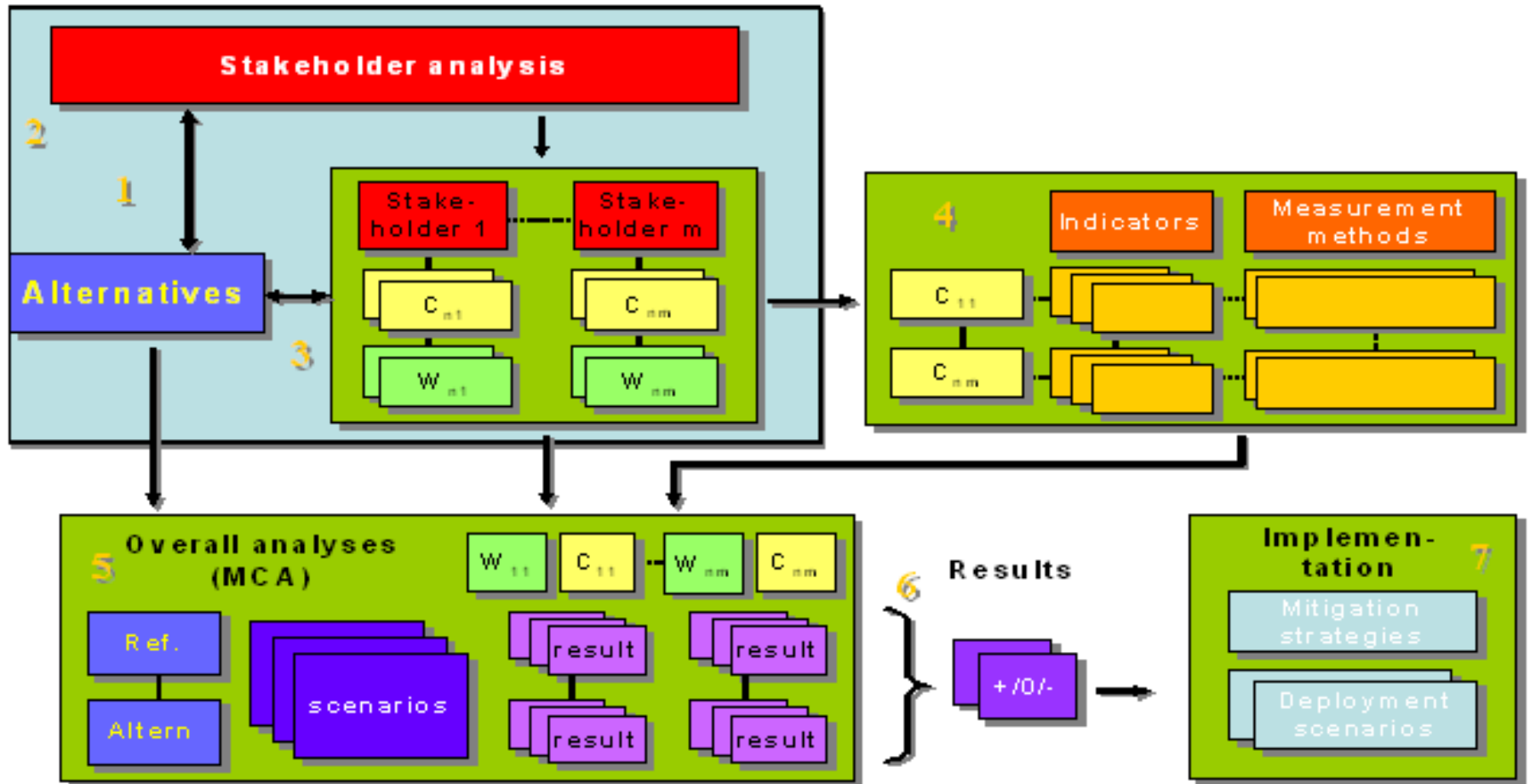
Employee satisfaction
Green concerns

Business opportunities
High level service





MAMCA *(Macharis, 2004)*



Applications MAMCA

- Intermodal terminal location decision problem
 - (Macharis, 2000)
- Waste transport alternatives in the Brussels region
 - (Macharis & Boel, 2004)
- Location choices of a new high speed train terminal
 - (Macharis, & Dooms, 2004)
- DHL's hub strategy at Brussels airport
 - (Dooms & Macharis, 2005)
- The evaluation of different night distribution scenarios
 - (WCTR 2010)
- Flanders in Action Process: logistics and mobility
 - (Macharis, De Witte & Turcksin, **Journal of Transport Policy**, 2010)
- Spatial Data Infrastructure scenario's
 - (Geudens, Januarius, Macharis, 2010)
- Environmental vehicles (Lebeau et al., 2010)
- Biofuels (Turcksin et al., 2010)
- Mega projects (Macharis and Nijkamp, 2012)

Conclusions

- Dialog is necessary
- MAMCA enables this in a structured way



Thank you for your attention!

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