

Bas van Holst

Economist - researcher

Greening Motorways of the sea, Stockholm,
april 2005

DoctorandusB B.V.

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Using cost-benefit analyses for Port Investments

- Experiences from the Netherlands-

Bas van Holst

Team member, programme manager
cost-benefit analysis, on behalf of:

- the Dutch Government in the project PMR;

Mainport Development Rotterdam

- the Dutch and Flemish Government in ProSes;

Scheldt estuary project (Antwerp)

Why cost-benefit analyses?

- ❑ Contribution of a project to the prosperity of a society
- ❑ Distribution of costs and benefits
- ❑ A positive aggregated outcome means that winners may compensate losers.

Acceptation of the CBA by

- Open approach on process, based on joint fact finding
- High quality research
- Advisory boards
- Consultation of stakeholders and the public
- Second opinions

Cases PMR & ProSes

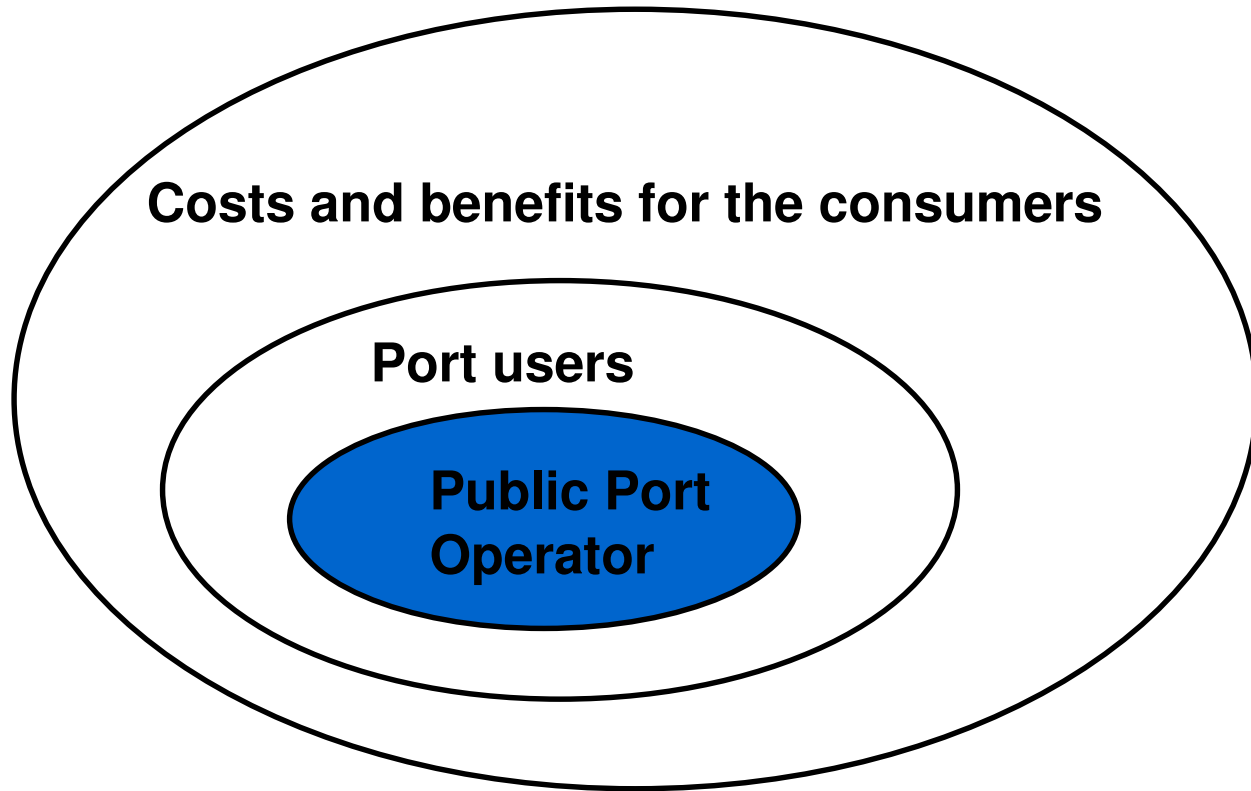
- Target projects
- Results CBA

Target PMR

- To strengthen the Mainport Rotterdam
- To improve the quality of the living environment

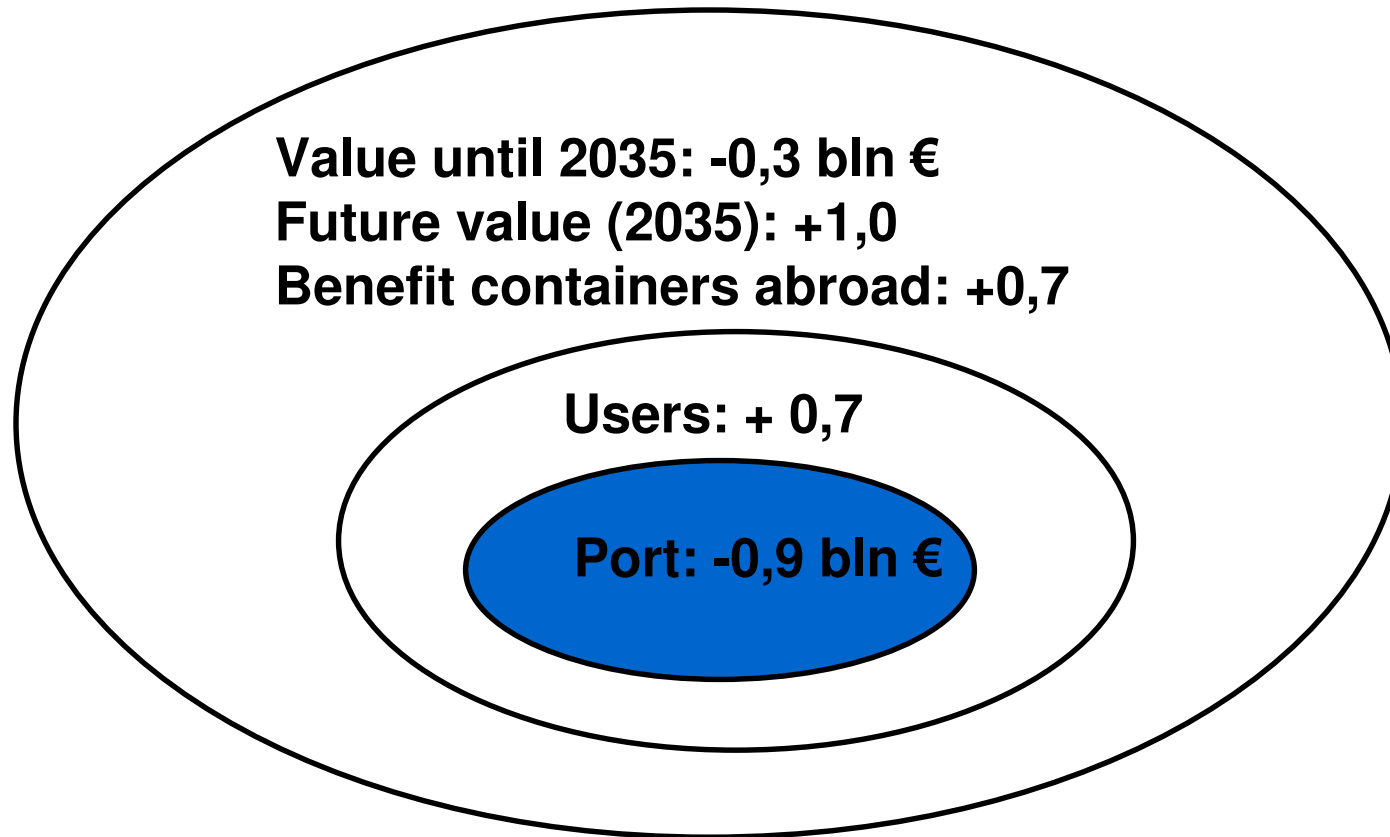
The project land reclamation

Cost and benefit analyses



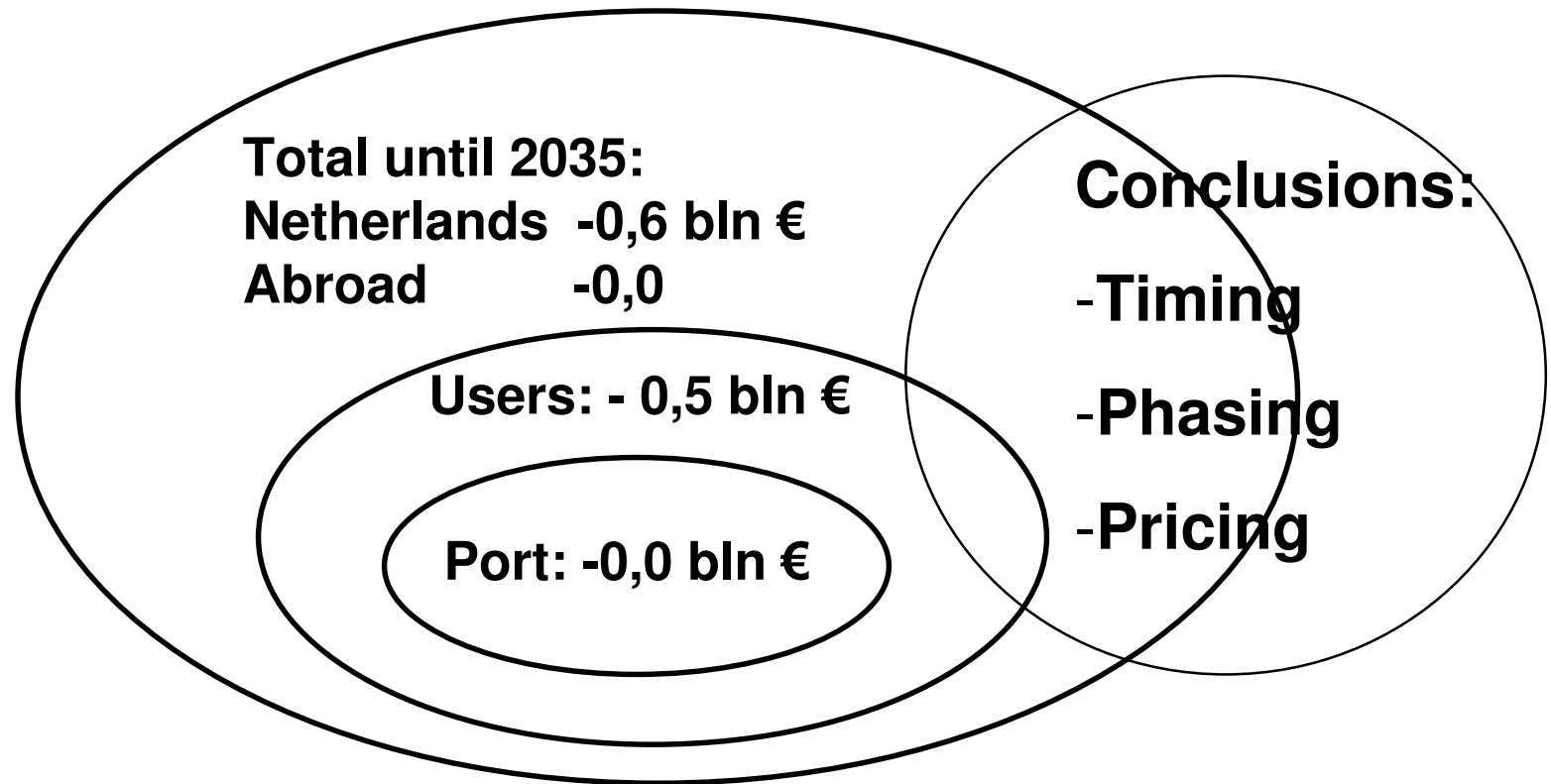
CBA: The Netherlands with or without land reclamation

Selected results (high growth)



Differential results; NPV 2000; discounted 4%

Impact of price policy (mid growth)



Differential results; NPV 2000; discounted 4%

Target ProSes

- To strengthen the mainport Antwerp
- Safety against flooding
- A healthy ecosystem

Cost-benefit analyses

Costs and benefits for national consumers

Users, intercontinental shippers

Public Port

Selected results cost-benefit analyses

**Total until 2030 Flanders +Netherlands
Net value up to 1.6 bln €**

Users in Europe up to 2.3 bln €

Ports 0 € (MC=MR)

More information

www.mainport-pmr.nl

www.proses.nl & www.proses.be

The project 750 hectare wildlife and recreation

Maintaining the physical characteristics

Maximum safety against flooding

A healthy and dynamic ecosystem

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THE END

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