



Ministerie van Infrastructuur en Milieu

# Cost-benefit analysis INSPIRE in the Netherlands

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Kosten-batenanalyse INSPIRE  
Eindrapport



Opdrachtgever: Gouvernau

ECORYS Nederland BV & Grontmij Nederland BV



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## Outline

- Cost-benefit analysis 2009
- Actualization 2016
- Conclusions
- Next steps



## Conclusions cost-benefit analysis 2009

- Basic model: only the most suitable data sets are opened and harmonized
- Benefits exceed the costs by € 34 million
- Costs are recovered after 8 years
- Strategic benefits: strengthen e-government and spatial data infrastructure
- Quantitative benefits: more efficiency (assumption)



## Conclusions cost-benefit analysis 2009

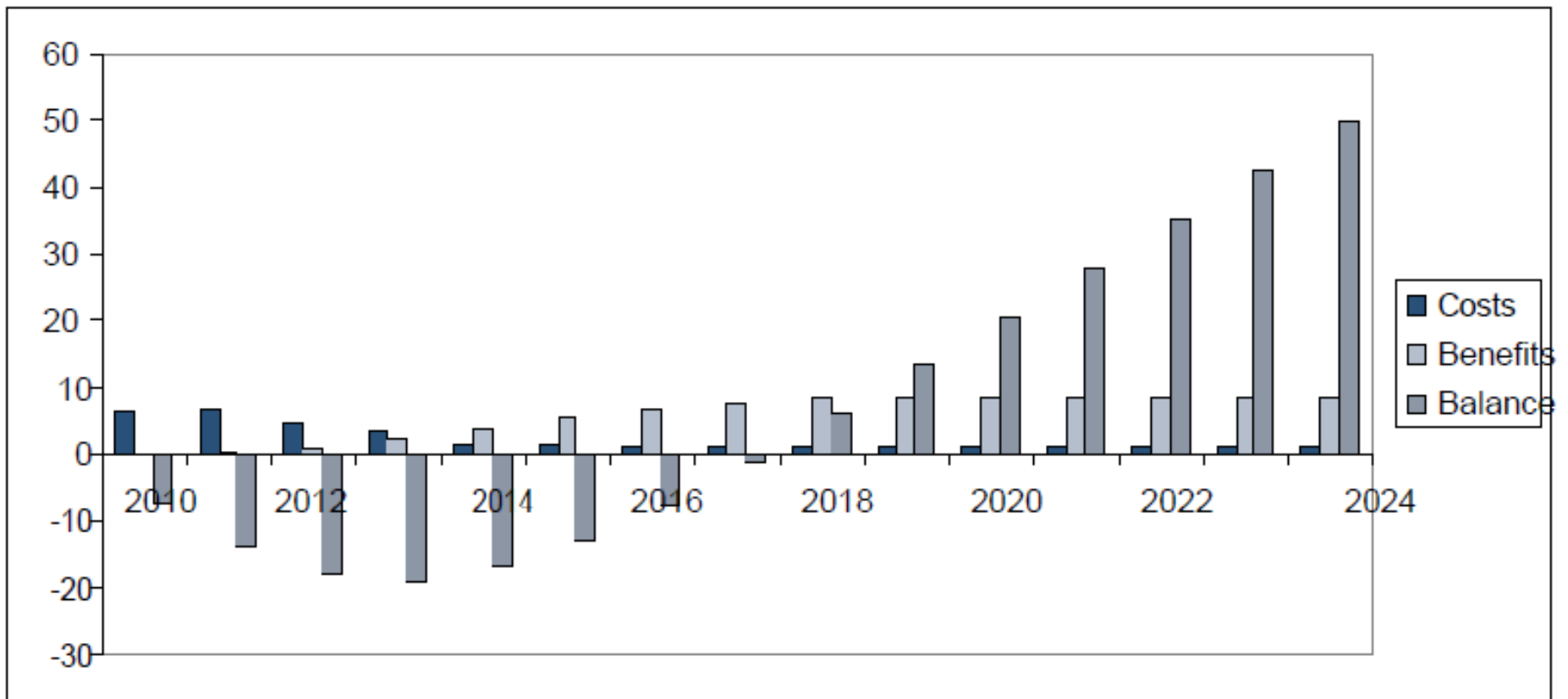
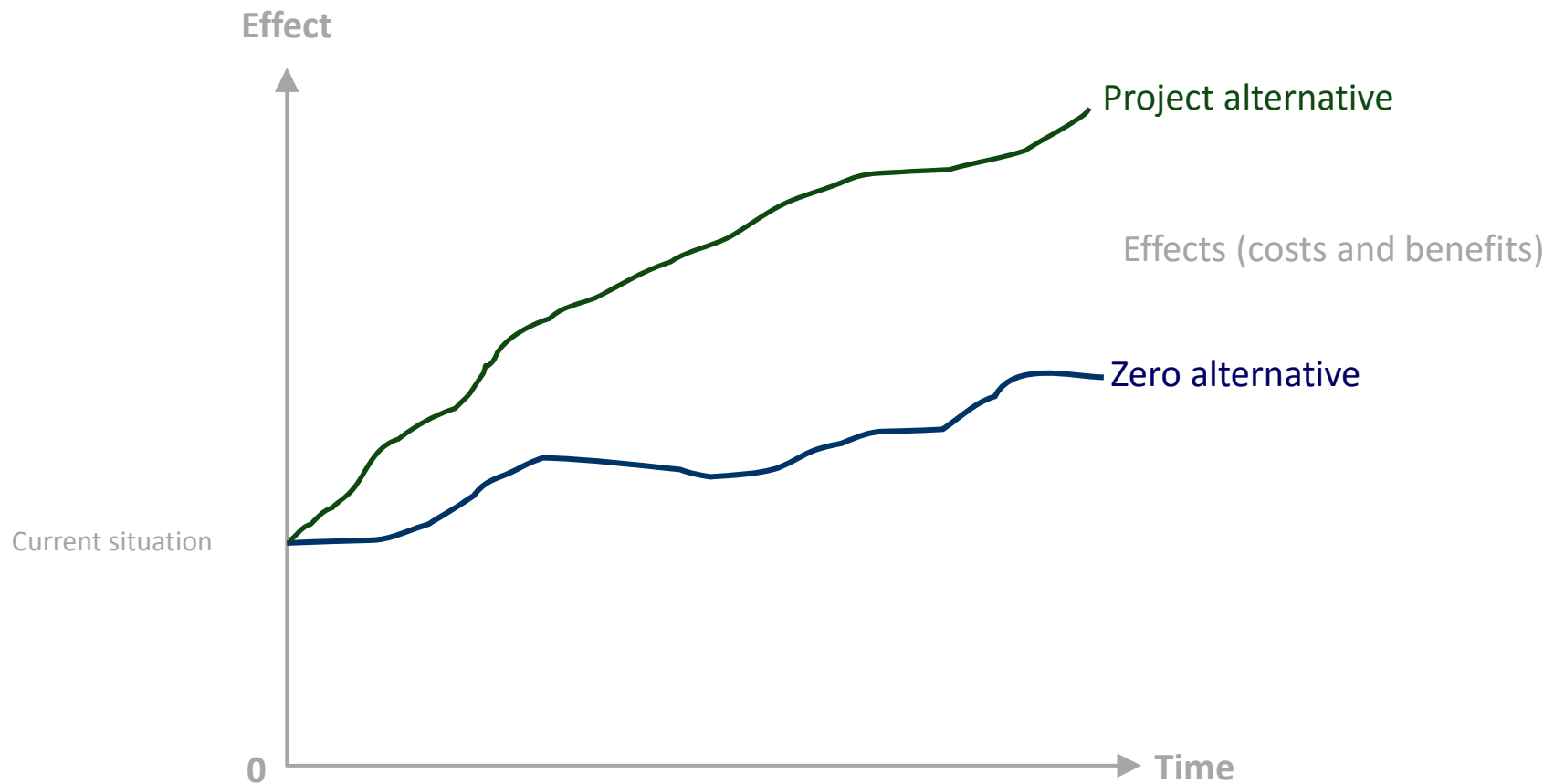


Figure 1 – Phasing of the costs and benefits over time in the basic model (amounts in EUR million)\*



# Actualization 2016



Project alternative and zero alternative



## Actualization 2016

- Interviews and experts sessions
- 4 use cases
- Example: Atlas Living Environment

# Atlas Living Environment

**Map Navigation:** Luchtfoto, Wegenkaart, Kleur, Zwart/wit

**Locatie:** Ginkelseweg 7a Leersum (3956KJ)

**Kies een kaart** (Geslecteerde kaarten 0 van 8)

**Selecteer een kaart:**

- Kadastrale Percelen
- BAG - Verblijfsobjecten
- Actuele administratieve grenzen
- Bodemopbouw in NL 1:50.000
- Windsnelheden op 100m hoogte (m/s)
- Totaal pr per gem (GJ/ha.ja)

**Selecteer een thema:**

- OP GO!
- Water
- Bodem
- Leefbaarheid
- Gebiedsindelingen
- INSPIRE



## Actualization 2016: results

### Costs:

- Implementation dataproviders and coordination:  
€ 64 million

### Benefits:

- More efficiency for users
- More quality and reliability
- Acceleration of effects

Monetizing benefits is problematic: between € 4 and € 14





## Basic

Cost-efficient

Minimal implementation

Limited number of datasets



To a lesser extent use of INSPIRE

## Extension

A: Multiple attributes per item/object

B: Contains multiple scales

C: More relevant environmental datathemes (e-reporting!)



More use of INSPIRE



	Basic	Extension
Costs	€64	€64+A+B+C
Benefits	€4 to €14 + PM(+)	€54 + PM*(+)
Balance	-€60 to -€50 + PM(+)	-€10-(A+B+C) + PM(+)

\* PM = strategic effects



## Conclusions

- To optimistic in 2009...
- Costs are much higher than benefits that can be monetized
- Use cases can't be used for monetizing
- Strategic, qualitative benefits are confirmed by all stakeholders
- It is widely accepted that INSPIRE contributes to the acceleration of use of open standards and better and more reliable spatial data
- More benefits are realized in the extension variant: more available data, more potential users



## Next steps

- E-reporting
- The new Dutch Planning Act:  
Powered by INSPIRE
- Benefit management?

