Mapping your money

Integrating financial assessment in GeoDesign



The significance of mapping your money

GeoDesign

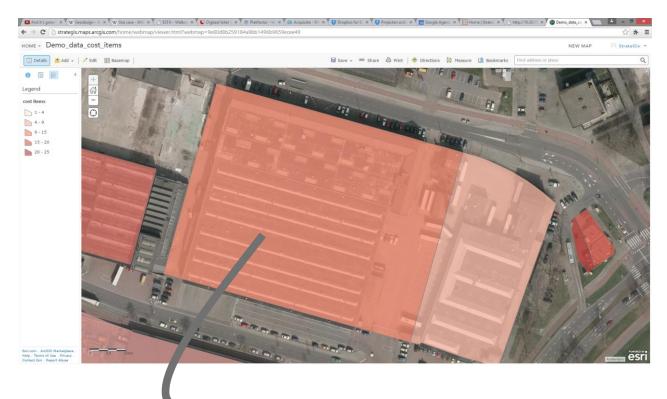
GeoDesign is a design and planning method which tightly coupling httly coeapide design with poissals at iton impact simulations informed by geographic contexts

M.Flaxman, 2010 GeoDesign Summit

The most important decision making criterion?

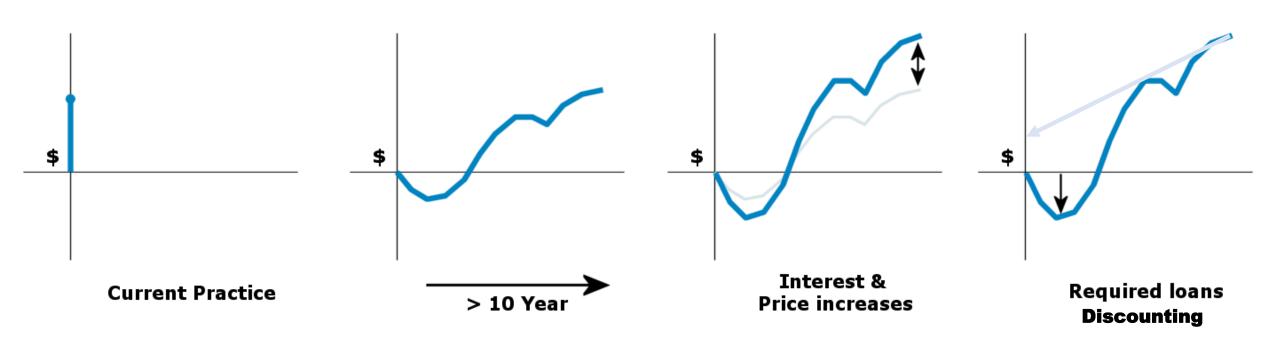


Typical financial modelling in GIS / design software



➤ 15.000 m2 x \$ 100 = \$ 1.500.000

Time is money...

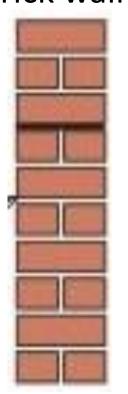


Current practice

GeoDesign teams



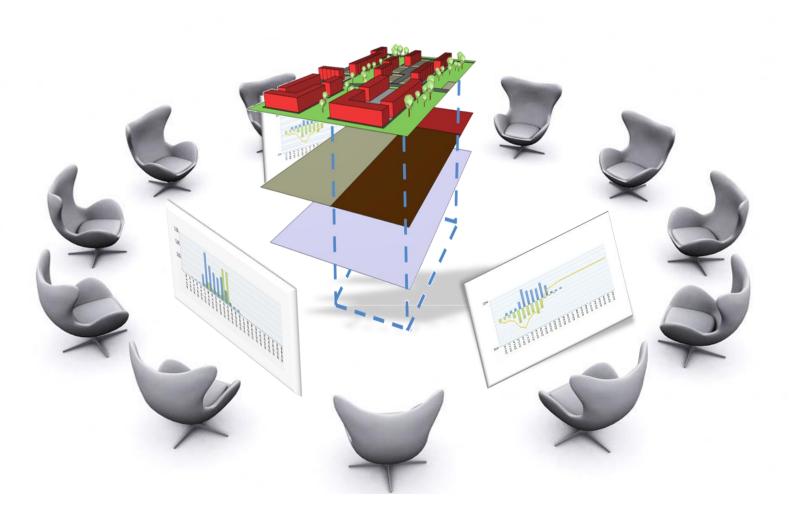
Brick wall



Financial assessment

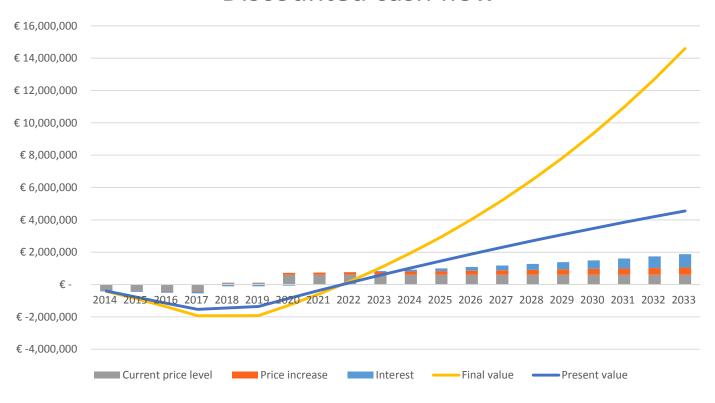


Our proposal: showing how the cash flows



Bringing back the future to the present

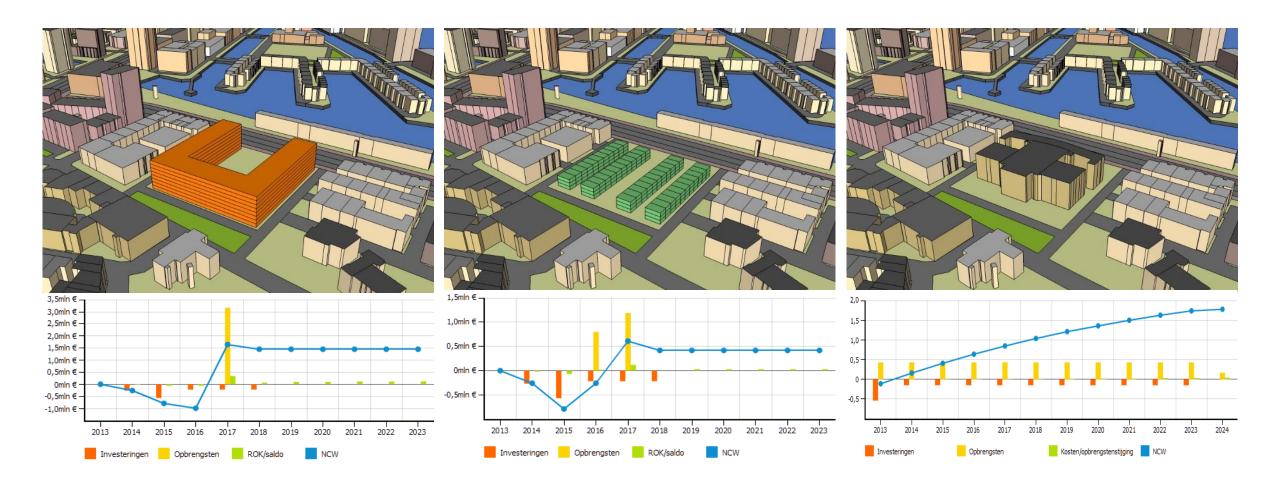
Discounted cash flow



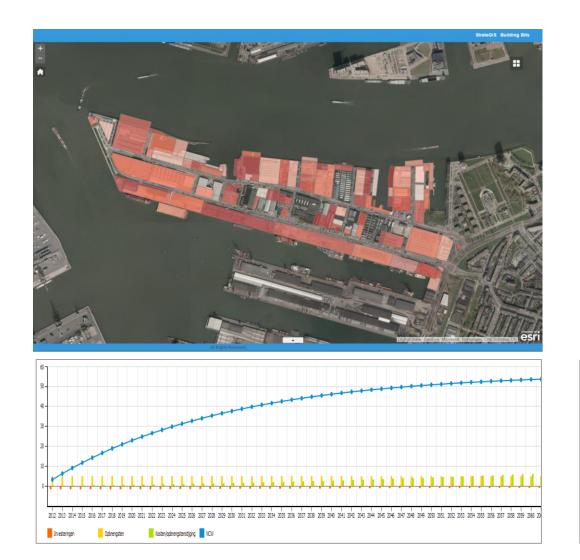
Example applications

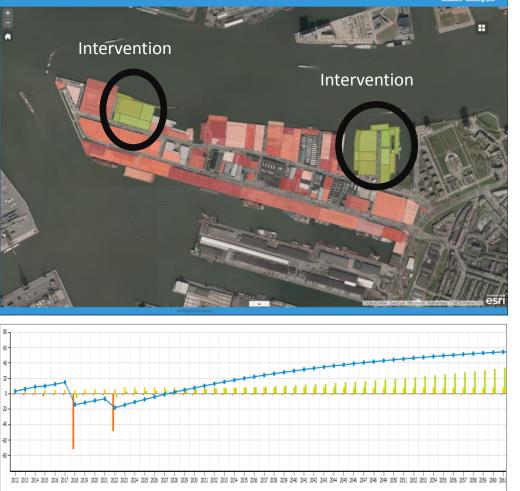
- Land lease portfolio
- Land development
- Real estate development
-almost every problem with a geographic context

Real estate development



Landlease (Port of Rotterdam)





Kasten/opbrengstenstijging NCW





GeoDesign & financial assessment

Financial aspects are important in Geodesign processes. Most financial assessments however are detached from the operational design, resulting in conversion issues and a time lag between design choice and assessment. To overcome this, StrateGis, Building Bits and ESRI NL have developed a fully configurable financial tool for the ArcGIS platform, based on the Discounted Cash Flow method. It provides Geodesign teams with direct feedback on the financial impacts of design choices, enabling a more integrated Geodesign approach.

Click here for a demonstration version of the financial tool

Interested?

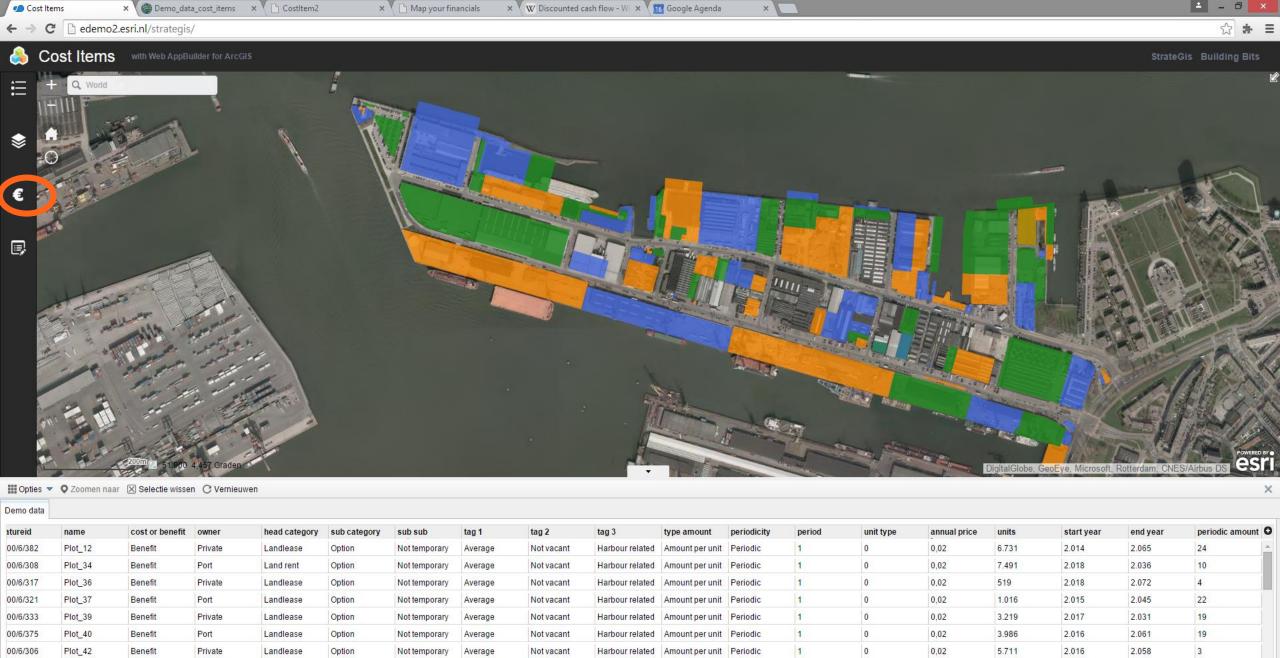
We are looking for partners to further develop our financial tools within the ArcGIS platform. Mail us if you are interested: Robin Seijdel or Anne Dullemond.

More information:

- Powerpoint Presentation for GeoDesign 2015 lightning talk
- Abstract for Geodesign 2015 summit
- English website of StrateGis

Preview of the financial assessment tool





Harbour related Total amount

One time

1

0

0,02

1.700

2.018

2.062

15

« (1 2 3 ... 9) » 25 T

00/6/307

Plot_44

1 - 25 van 210 resultaten

Benefit

Municipality

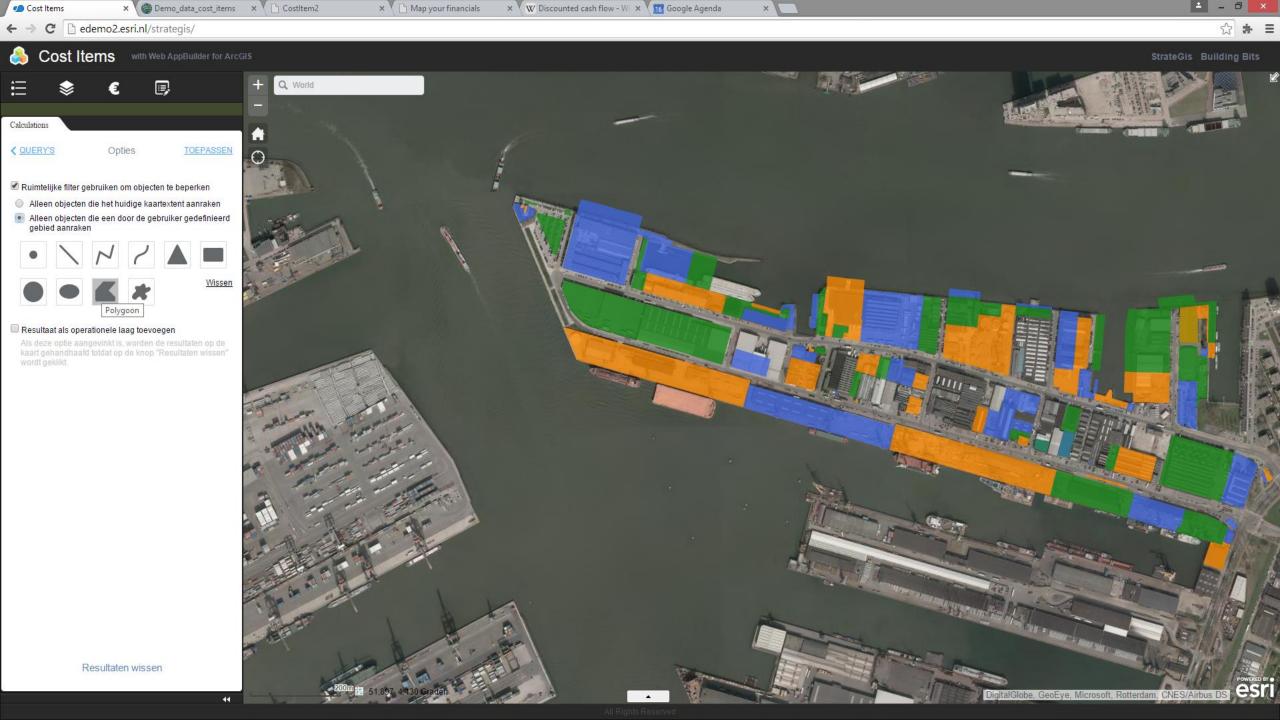
Landlease

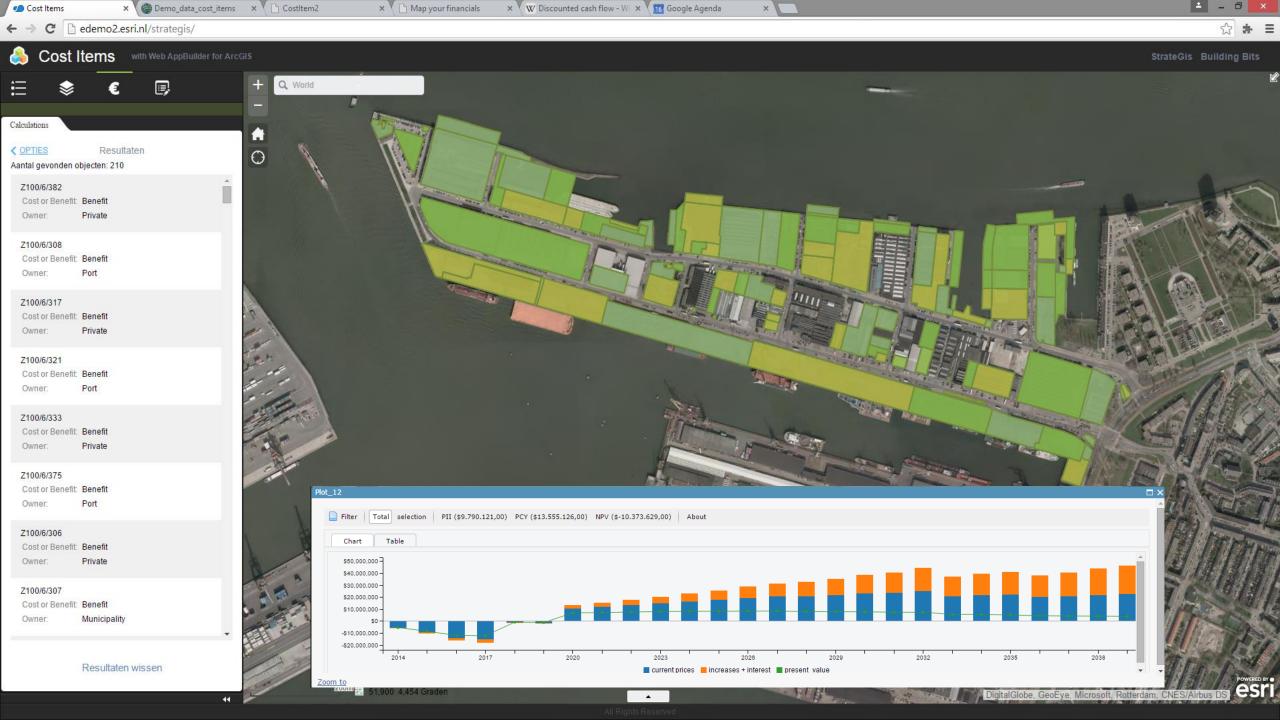
Option

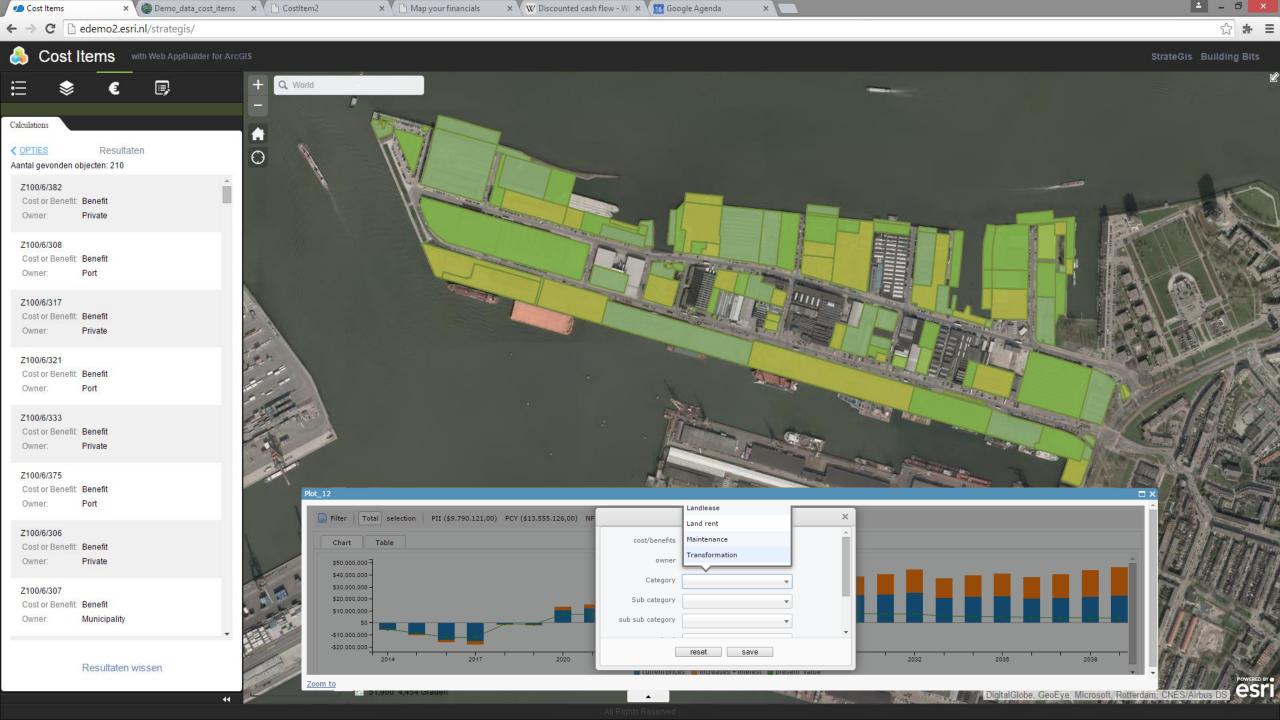
Not temporary

Average

Not vacant







Conclusions

- Coupling of design with financial simulation = successful
- Interface is fast and easy to operate, financial knowledge is still needed to interpret results
- Further development is needed:
 - Templates
 - Configurability
 - Implementation in other ArcGIS components



Discussion

Current status

- Further development with partners:
 - Port of Rotterdam
 - Amsterdam International Airport

We are looking for:

- Comment and suggestions
- Partners
- Pilots / launching customers

Interested? Go to www.mappingyourmoney.com



