Effectiveness of adaptation to climate change in The Netherlands

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Case

‘Climate proofing’ spatial planning at six meters below sea-level

Gemaal Abraham Kroes (Xporelab)
1. Data requirement

*) Based on Melmer, J. (Hoogheemraadschap Schieland en de Krimpenerwaard). [www.schielandendekrimpenerwaard.nl](http://www.schielandendekrimpenerwaard.nl)
2. Types of costs and benefits

- Investment costs
- Reducing vulnerability
- Spatial quality
3. Discounting

![Graph showing discounting rates over time horizon (year)]
Cost-benefit analysis plus

Multi-criteria analysis
Adapting to climate change in The Netherlands: an inventory of climate adaptation options and ranking of alternatives
K. de Bruin et al. (2009) Climatic Change 95(1-2)

Uncertainty
Investment in flood protection measures under climate change uncertainty
K. de Bruin and E. Ansink (in preparation)