

**Appendix 2.** List of experiment cases analyzed in this study.

Name	Description	Initiators/actors	Duration	Location
<b>Multi-functional use experiments</b>				
Sand engine Ijsselmeer experiment	<i>Coastal management.</i> Sand supplementation using natural processes to restore wetlands and provide coastal defence.	National, provincial, water board, and local government. NGO. Experts.	2011 - ongoing	Regional: Friesian coast, north Netherlands
Sand motor Delfland experiment	<i>Coastal management.</i> Creation of sand island off the Dutch coast to nourish coastline over 20-year period, provide natural habitat and recreational opportunities.	National, provincial, water board, and local government. NGOs. Experts.	Initiated in 2006 and implemented in 2010-2011-ongoing	Local: The Hague, Province South Holland
INSIDE dike strengthening pilot	<i>Dike management.</i> Strengthen dikes using internal fortification so not disturbing adjacent areas and improve spatial planning.	Water board. Business actors. Experts.	2009	Local New Lekkerland, Province South Holland
Water Square Rotterdam pilot	<i>Flood management.</i> Water retention, storage, and drainage in urban setting.	Water board and local government. Experts.	Implemented 2013-ongoing	Local: Rotterdam, Province South Holland
Erosieberm sand motor pilot	<i>Coastal management.</i> Depositing sand off coast and using natural processes to distribute it	Provincial, water board, and local government. Expert.	2009-ongoing	Local: Kruishoofd, Province Zeeland

	thereby meeting defence objectives and maintaining natural areas.			
Water storage in forest experiment	<i>Flood management:</i> Investigating whether forests can be used to retain and store rainwater, thereby maintaining protected areas that can be used for water retention.	National and provincial government. NGO representative.	2004-2007	Local: Harderbos, Province Flevoland
Hoge Bomen pilot	<i>Flood management:</i> Investigating the effects of storing rain water on a football field, maintaining recreational opportunities in built up areas.	Water board, local government. Expert. NGO representative.	2011-2012	Local: Westland, Province South Holland
South-west Ameland climate buffer experiment	<i>Coastal management:</i> Examining the role of salt marshes in the security and development of potential measures to protect against sea level rise.	National, provincial, water board, and local government. Experts. NGO representatives.	2012-ongoing	Local: Ameland Island, Province Friesland
Waalblok pilot	<i>Flood management:</i> Exploring the storage of rainwater in cellars underneath horticultural glasshouses.	Provincial, water board, and local government. Experts. Business actors. NGO representative.	2010-2016	Local: Westland, Province South Holland

<b>De Kerf experiment</b>	<i>Coastal management:</i> Tested the implications of dynamic coastal management by cutting through the fore-dune to see if the defence can be maintained while natural processes restore the dune areas.	National government and Water board. Experts.	1997-2003	Local: Parnassiaval lei in Province North Holland
<b>Flexible water management experiments</b>				
Muskrat field trial	Tested management strategies for stabilizing a muskrat population that compromises dike defences.	Water boards. Experts. Business actors. NGO representatives. Individual citizens.	2013-2016	National
Dynamic level management trial	Investigated techniques that could provide farmers with more flexible water levels on their farms.	National, provincial, and water board government. Experts. NGO representative.	2009-2010	Local: Zegveld, Province Utrecht.
Natural lock management pilot	Tested more flexible local management to see the effects of restoring freshwater-salt water transitions to improve the ecological health of the Delta and the effects on fisheries.	National and provincial government. Expert. Business actor. NGO representative.	2008	Local: De Bergsedieps luis and de Krammersluizen in Province Zeeland.
Flexible	Tested system that	Water board	2010	Regional:

groundwater r irrigation pilot	relaxed rules about ground water extraction for irrigation.	government. Business actor. Individual citizen.		Brabant
<b>Public-private responsibility experiments</b>				
Oranjepolde r pilot	Tested process where farmers stored water on land and emptied storage basins when water board predicted inundation. store excess water.	Water board, local government. Expert. Business actors.	2012-20 13	Local: Westland, Province South Holland
Freshwater storage Texel test	Tested innovative technology for individual farmers storing and using freshwater on the island of Texel.	Provincial government. Expert. Business actor. Individual citizen.	2012-20 16	Local: Texel Island, Province North Holland
Waterhoude rij- Go-Fresh pilot	Testing high ended innovation techniques for storing water underground.	State- Expert- Business actors- farmers NGO representative- Individual citizen.	2011-20 12	Province Zealand
Climate Adaptive Drainage pilot	Tested controlled drainage by individual farmers at a basin wide level.	State- Expert- Business actors- farmers Individual citizen.	2012-20 14	Local: Rijsbergen, Province Brabant