

Water Vision

Status	Implementation
Location	The Netherlands, Gelderland, City of Nijmegen
Spatial info	Town; with all parts
Measure type(s)	Green open spaces; Water system – all types; Renewable energy; Urban setting
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Description and Aim

The Spatial Framework Water or water Vision is a report about the relation of the water systems and spatial planning in the city of Nijmegen. Part is also a management decision paper. The Water Vision is closely related to an "Underground Vision" which was made simultaneously.

The water vision provides input into the city's structure plan. It includes the ambition ladder (product of the Monash University Melbourne) that shows how the city of Nijmegen is growing from a water conscious city via a water sensitive city (present aim) to a climate sensitive city (future aim).

Adaptation to climate change

Heat-island-effects can be lowered by means of more water and green structures in the city.

Heavy rains ask for more water storage (infiltration as well as ponds) and this water can be used in times of drought.

Problems addressed:

Heat, heavy precipitation / flooding, drought, other (liveability neighbourhoods)

Receptor(s):

Built environment, infrastructure, population

Experiences

Functionality:

Integration of water management with spatial planning and city development delivers a different view on urban development then sectoral points of view. The city of Nijmegen is planning now to make also a Spatial Framework Green for an even better integral spatial planning.

The water vision provides a strategy on a city level. The next step in this process is to find out on the level of city areas how to create the integration of water demands/chances and city development. By doing this with all kinds of stakeholders a map can be made for the future development of that city area.

Further synergies/benefits:

Better adapt (create more water storage) then pay for damage afterwards of heavy rains.

Blue and green structures have also other benefits (recreational use, playing garden, slowing traffic infrastructure).

Funding:

Subsidy of Future Cities for hiring a consultancy.
Cofinancing by the municipality.

Stakeholder involvement:

External: Water Board
Internal: many departments concerning spatial planning and city development in relation to water systems