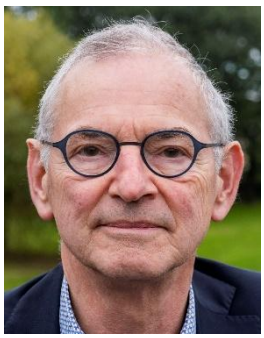
aQuest

Dr ir Frans H.M. van de Ven



Dr Van de Ven started aQuest in 2025 as an one person company after working for 17 years for Deltares as team leader, strategic advisor and senior expert Urban Land and Water Management and after retiring as associate professor Urban Water Management at the Faculty of Civil Engineering and Geosciences of Delft University of Technology.

Dr Van de Ven is working on attractive, flood robust and climate resilient cities, while aiming at reduction of the environmental footprint of urban water systems. This includes research into (1) technologies, concepts and approaches for resilient urban land & water management, (2) methods for engineering urban water systems and for controlling water quantity, quality, demands and supply in a more circular way and (3) urban planning support tools to implement these improved technologies, concepts and approaches in practice.

His major fields of expertise include:

- Climate resilience of urban areas; adaptation strategies and urban planning support systems; improving urban land & water system modelling for adaptation planning.
- Sustainable urban land & water management systems; how to make the most out of urban surface water, groundwater, stormwater runoff, parks and green infrastructure.
- Planning and design of blue-green infrastructure for reducing the impact of extreme rainfall, drought and heat and maximizing their benefits.
- Urban water quality, drought and heat stress control
- Development of hybrid, smart green-grey infrastructure, building on Nature-based Solutions.
- Transition management to realize resilient and sustainable urban systems.

Personalia

Function	Strategic advisor / Senior expert Urban Land & Water Management
E-mail	ven@aquestwater.nl
Phone	+31 6 5183 5010
Nationality	Dutch
Date of birth	18-12-1954

Employment history

2025 – present	aQuest – one person company Strategic advisor urban land and water management and climate adaptation
2021 - 2025	Deltares Strategic advisor / senior expert Urban Land & Water Management
2008 - 2021	Deltares Team leader Urban Land & Water Management
2004 - 2021	Delft University of Technology (TU Delft) Associate Professor Urban Water Management

2000 - 2008	Institute for Inland Water Management and Wastewater Treatment (RIZA); Ministry of Infrastructure and Water Management of The Netherlands Deputy head Division of National Water Policy Development
1995 - 2000	Institute for Inland Water Management and Wastewater Treatment (RIZA); Ministry of Infrastructure and Water Management of The Netherlands Program Coordinator AQUEST
1994 - 1995	Institute for Inland Water Management and Wastewater Treatment (RIZA); Ministry of Infrastructure and Water Management of The Netherlands Coordinator National Research Program Dehydration and cluster-leader Ecohydrology
1986 - 1994	Institute for Inland Water Management and Wastewater Treatment (RIZA); Ministry of Infrastructure and Water Management of The Netherlands Head research subdivision Hydrology and Geohydrology
1985 - 2004	Delft University of Technology (TU Delft) Assistant Professor Urban Water Management
1979 - 1986	IJsselmeerpolders Development Authority (RIJP); Ministry of Infrastructure and Water Management of The Netherlands Head of section Urban Catchment Hydrology and Water Supply

Track record

In urban water management / urban drainage and flood management:

2025 - present	Scoping Study Impacts of Climate Change for the China Council (CCICED)
2025 - present	Coach Expert Group Green-grey Infrastructure and Nature-based Solutions – Water Europe
2024	Coordinator Special Policy Study on Green Urban Development and Climate Adaptation of the China Council (CCICED)
2020 - 2024	Initiator national research programme on Drought in the Built Environment (DroBE / Thirsty Cities)
2018 - 2025	Leader Vision & Leadership Team (VLT) HYBRID Green and Grey Infrastructure - Water Europe
2015 - 2020	Team Leader Living Lab Land Subsidence Gouda and Framework plan Land subsidence Inner city Gouda
2009 - 2014	Member of core group Climate Proof Cities national research program; theme leader Urban Water Management
2008 - 2015	Chair of the national Platform Beter Bouwen Beter Wonen (Improving Building Site Preparation
2011-2012	Member of the Thames Tunnel Commission
2008	Member Evaluation committee for the Nat. Urban Water Governance Program, Monash University, Melbourne, Australia
2007 - 2009	Program manager of the research program on Climate and Water Robust Urban Development
2007	Member Evaluation committee for the Facility on Advanced Water Biofiltration, Monash University, Melbourne, Australia

2006 - 2008	Member of the Steering Committee Improved Building Site Preparation
2005 - 2006	Member of the jury for the Purmer-meer urban design competition
1999 - 2001	Member of the Steering Committee "Waterpakt Twente"
1995 - 1998	Member of the program committee Urban Drainage of the national Association for Water Management
1990 - 1991	Chair of the national Research Commission on Building without Crawlspace of the Building Research Foundation
1982 - 1987	Member of the National Working Group on Sewerage and Water Quality and a number of its project teams
1983 - 1999	Chair of the NVA-RIONED national Contact Group Urban Hydrology

In hydrology:

2018 - present	Member of the European CIS working group Floods
2017 - 2025	Editor of the Journal of Flood Risk Management
2007 – 2011	Member of the advisory board to the research program Waterkader Haaglanden
2006 – 2010	Member of the National Committee for the International Association of Hydrological Sciences
2003 – 2007	Secretary of the Knowledge Platform for national water policy (NBW)
2003 – 2007	Deputy chair of the Knowledge Engine of the national research program Living with Water
2003 – 2007	Member of the advisory board for the TNO research program on Groundwater
2002 – 2008	Member of the Advisory board on Water Research to the Ministry of Agriculture, Nature protection and Food Safety
1998 - 2008	Editor in chief of Lowland Technology International
1997 - 2000	Chair of the steering group Standard Framework for Modelling
1996 – 2003	Member of the program committee Hydrology and Groundwater of the national Association for Water Management
1995, 1998	Member Selection Commission of the European Envi Program "Influence of Climate Change on Water Management"
1994, 1998	Member of the jury of the National Hydrology Prize of the Netherlands Hydrological Society
1994 - 1995	Secretary Program Committee and member of Steering Committee of the Nat. Research Program on Dehydration & Dessication
1992 - 1996	Member of the Steering Committees for the MoU on Environmental Cooperation with Russia and Ukraine
1991 - 1995	President of the Int. Commission for Surface Water of the International Association of Hydrological Sciences (IAHS)
1988 - 1993	Chair of the ICPR-CHR working group Alarm model - pollution spill modelling for River Rhine
1986 - 1993	Secretary of the Commission for the Hydrology of the Rhine basin (CHR/KHR)

Curriculum vitae

For more than 45 years dr. Van de Ven is working on flood and climate resilient urban areas, while aiming at reducing the environmental footprint of cities. Since April 2025 he is working as a strategic advisor and senior expert on urban land and water management, climate adaptation and resilience from his independent, one-person business called aQuest (www.aquestwater.nl). Before, he worked for almost 17

years with Deltares; until his formal retirement in May 2021 as team leader Urban Land and Water Management and later as strategic advisor and senior expert. Until May 2021, Van de Ven also was associate professor Urban Water Management at the Faculty of Civil Engineering and Geosciences of Delft University of Technology. He now is a guest professor at TU Delft.

Van de Ven joined Delft University of Technology in 1985 as assistant, later associate professor on urban drainage and urban water management. His research fields include rainfall runoff processes, stormwater management, design of sustainable stormwater drainage facilities (SUDS), urban groundwater management, urban water quality management, sustainable building site planning and preparation and climate resilient urban water management planning. His ambition is to make circular "closed cities", with minimal environmental footprint and climate robust urban water systems. He lectures the MSc course Urban Water Management and supervises MSc and PhD students at the faculties of Civil Engineering & Geosciences, Architecture/Urbanism and Policy and Management. Van de Ven has led a number of research projects, including projects on urban water quality, water and climate resilient urban planning design. He was auditor of research programs of Monash University, Melbourne, and the curriculum on Water management of the Rotterdam University of Applied Sciences. He supervises PhD researchers on topics such as new concepts for urban drainage, improving urban hydrological modelling, urban stormwater quality control, the effects and effectiveness of blue-green infrastructure for urban cooling, the use of planning support tools in co-creating a climate-resilient urban environment and on the functional use of urban surface water.

After obtaining his MSc (ir.)degree in Land & Water Management at Landbouwhogeschool Wageningen University in 1979, he joined the IJsselmeerpolders Development Authority - the national organization responsible for the development of the newly reclaimed polderland - as head of the section Catchment Hydrology and Water Supply of the Scientific Division. He investigated rainfall runoff processes in urban areas and urban water quality ,and was expert-advisor on geohydrology and groundwater resources management to the drinking water company and the province. His research work in urban hydrology provided the basis for his PhD thesis.

In 1986 he joined the Institute for Inland Water Management and Wastewater Treatment of Rijkswaterstaat (RWS-RIZA) as head of the subdivision Hydrology and Geohydrology within the Research Department. He and his group focused research on flood forecasting models, hydrological and ecological modelling, remote sensing and water resources assessments. In 1994 he became program coordinator of the national research program on Dehydration. And a few years later he took the lead of the Aquest program, in search for improving the quality of policy analysis and support for decision making in water management. In 2000 he was appointed deputy head of the division for National Water Policy Development. He was one of the initiators of the national "Living with Water" research program, in which implementation he was actively involved

In May 2008 Van de Ven joined the newly created institute Deltares with the assignment to strengthen their expertise in the field of urban water management. He and his Urban Water Management Team started research activities on climate resilience of cities, urban flooding and impact reduction, on creating adaptable cities and on the concept of the "closed city" – aimed at enhancing the functional use of all types of water in the urban area. This includes research into (1) improved concepts for resilient urban water management, (2) improving blue+green+grey+smart solutions and for control of water quantity, water quality, demands and supply and (3) urban planning and design support tools to implement these improved solutions and methods. Major research projects of him and his team include:

- Climate resilience of urban areas; adaptation strategies and urban planning support systems; improving urban land & water system modelling and planning support tools for adaptation planning.

- Sustainable urban land & water management systems; how to make the most of urban surface water, groundwater, stormwater runoff, parks and green infrastructure.
- Planning and design of blue-green infrastructure for reducing the impact of extreme rainfall, drought and heat and maximizing their benefits.
- Urban water quality for multifunctional and healthy water systems, drought and heat stress control
- Development of hybrid, smart green-grey infrastructure, building on Nature-based Solutions.
- Transition management to realize resilient and sustainable urban systems.

From2018 until 2025 Van de Ven was leading the Vision & Leadership Team Green and Grey Infrastructure of Water Europe; since then he is coaching Water Europe's Expert Group on Green-Grey Infrastructure and Nature-based Solutions. On behalf of Water Europe he is also member of the European CIS (Common Implementation Strategy) Working Group on Floods. In the past he was member of the Netherlands national Working Group on Sewerage and Water Quality. Also, he chaired the national Contact Group on Urban Water Management for many years. He moreover has served as secretary and as president of the International Commission on Surface Water of IAHS.

Major activities/projects

Period:	**Activity:**
2024	**Name of assignment or project**: CCICED Special Policy Study on Green urban Development and Climate Adaptation **Location**: China, Belgium, Germany, Netherlands **Client** : Ministry of Infrastructure and Water Management of The Netherlands **Main project features**: Evaluate climate adaptation planning practices in China and NW Europe by studying the response to extreme weather disasters and narrow-escapes. Using the "five capacities to reduce vulnerability" as an assessment framework the resilience of three areas in China (Chengdu-Chongqing urban agglomeration in the upper reaches of the Yangtze River, the densely urbanized deltas of the Pearl River Delta and the Yangtze River / Taihu) as well as the Rhine-Meuse-Scheldt delta was evaluated. Work visits to these areas were used to collect information, also in Belgium (Flanders) and Germany (Ahr-Erft and Rur basin). In addition other disasters from around the world are used to distil lessons for better policies and practices. Lessons learned are translated in recommendations for China's national government, the European Commission as well as the governments of the countries participating in the China Council for International Cooperation on Environment and Development (CCICED). **Position held**: Senior expert climate adaptation planning and SPS coordinator (> August 2024) **Activities performed**: Organize the work visit to NW Europe and participate in the work visit to China. Assist in formulating and elaborating the assessment framework into a tool for practice. Analyse and report on the Rhine-Meuse-Scheldt case and assist in drafting the final report of the Special Policy Study (SPS) and the policy recommendations. As of July 2024 coordinator of this SPS.
2022 - 2023	**Name of assignment or project**: China Europe Cooperation on Sponge Cities **Location**: China, Denmark, **Client**: Ministry of Infrastructure and Water Management of The Netherlands

Main project features: Analysis and evaluation of China's and European 'Sponge City ' policy and practices. Comparison of approaches. Evaluation of green adaptation benefits estimators and the value of Dynamic Adaptation Policy Pathway for urban adaptation planning in Changde, Yunnan province. Case study on sponge city planning in Nanjing's Qinhuai district. Comparison with approaches in Amsterdam, Copenhagen, Turku and Gothenburg. Results reported to the China Europe Water Platform, resulting in policy recommendations for both Europe and China.
Position held: Senior expert climate adaptation planning
Activities performed: Supervised the case study on sponge city planning in Nanjing's Qinhuai district. Assisted in drafting several work-package reports. Contributed to the policy recommendations and presented the results of the CECoSC project at conferences, symposia and in an article in Frontiers in Water

2020

Name of assignment or project: Grand Bahama after Dorian; Build Back Better
Location: Grand Bahama
Client: Delft University of Technology
Main project features: Development of a masterplan for the recovery/reconstruction of Grand Bahama - with a focus on Freeport. A multidisciplinary planning project, on how to improve the (flood) resilience of the island, its inhabitants and economy. Hydraulic and hydrological risk assessment, development of a protection strategy and related urban planning, hurricane- and water-robust architecture, emergency planning. Executed in cooperation with University of the Bahamas, Delft University and Deltares.
Position held: Project leader resilient water management
Activities performed: Leading the hydrological and hydraulic analysis, the development of the protection strategy and the development of a flood robust masterplan for the drainage and water supply of Freeport under hurricane conditions. Co-leading the design workshops and supervising the participating students and their products.

2020 - 2021

Name of assignment or project: Pre-feasibility study Ecosystem-based Adaptation Nur-Sultan
Location: Kazakhstan
Client: Asian Development Bank
Main project features: Investigate the feasibility of ecosystem-based adaptation (EbA) for making the city of Nur Sultan more climate resilient. Develop an EbA planning support system for the city and provide training in the backgrounds of EbA and use of the Tool. Co-design conceptual adaptation plans for a pilot area and quantify costs.
Position held: Senior expert climate adaptation planning
Activities performed: Assess the vulnerability of Nur Sultan for flooding - including excessive snow load and snow melt - and assess the relevant stakeholders and planning procedures. Assess required sponge (storage) capacity to avoid frequent flooding. Help drafting conceptual adaptation plan for a pilot area in the city. Provide training on EbA for the local authorities and co-chair the planning workshop. Draw conclusions on feasibility of flood protection using EbA measures and contribute to the final reporting.

2019

Name of assignment or project: Dongxi Hu Ecopark
Location: China

Client: Elion
Main project features: Development of an eco-park in Wuhan, along Fu River
Position held: Project leader
Activities performed: Identification and scoping mission to formulate data requirements for development of the land and water management plan. Sponge city concept application. Water quality remediation approach and recommendations for integrated geohydrological, geotechnical, hydrological and spatial design of the park.

2019 - 2020

Name of assignment or project: Framework plan Land subsidence Inner City Gouda
Location: Netherlands
Client: City of Gouda
Main project features: Develop a plan for long term protection of the historic inner city of Gouda for groundwater and stormwater flooding and land subsidence reduction and help to get this plan approved by the City council of Gouda and the Board of Rijnland
Position held: Project leader
Activities performed: Develop a framework for evaluation alternatives. Develop strategic alternative for preventing flooding and for reducing land subsidence. Quantify the effectiveness of these alternatives and make a societal cost benefit analysis. make a recommendation for the preferred approach a assist in the decision making process by helping to answer the questions and comments brought forward during the formal stakeholder engagement process and during the decision making by the City Council and the Board,

2019 - 2020

Name of assignment or project: Pre-feasibility study of confirmed ecosystem-based adaptation measures for Xiangtan
Location: China
Client: Asian Development Bank
Main project features: Investigate the feasibility of ecosystem-based adaptation (EbA) for making the city of Xiangtan more climate resilient. Develop an EbA planning support system for the city and provide training in the backgrounds of EbA and use of the Tool. Co-design conceptual adaptation plans for 3 pilot areas and quantify costs.
Position held: Project leader
Activities performed: Assess the vulnerability of Xiangtan city for flooding and assess the relevant stakeholders and planning procedures. Develop the Xiangtan Climate Resilient City Tool for supporting the planning of EbA measures Select 3 pilot areas for conceptual design of adaptation plan and 20 districts for a quick-scan of EbA measures applicability. Provide training on EbA for the local authorities and planning workshops to make the plans for the pilot areas. Estimate the costs of realizing these plans and draw conclusions on feasibility of flood protection using EbA measures.

2018 - 2023

Name of assignment or project: Vision Leadership Team Grey-Green Infra
Location: Belgium
Client: Water Europe
Main project features: Evaluation of nature-based solutions for urban water in the context of the grey infrastructure for water supply and sanitation. Identifying the need for the integration of blue-green solutions with grey ones and smart

monitoring and control. Define pathways to stimulate this innovative development along the lines of industrial symbiosis, bringing together experts from the three communities (nature-based solutions, water technology and smart control).
Position held: Leader
Activities performed: After publishing a white paper (https://watereurope.eu/wp-content/uploads/HGGI-Publication_online.pdf) interviews and a workshop were held to identify opportunities and barriers to hybrid green-grey solutions. A webinar on Biologically-inspired design was held to unite experts from the three fields and stimulate innovation.

2018 - 2019

Name of assignment or project: Technical Recommendations for Development of Smart Drainage Module and Flood Simulation Model
Location: Taiwan
Client: RVO
Main project features: Development of Smart Drainage Module for comprehensive urban drainage system design
Position held: Project leader
Activities performed: Report on the concepts en methods underlying smart urban drainage in relation to spatial planning and design. Design procedures for integrated urban water management, to achieve a sustainable, resilient and attractive urban environment. Provide training on these concepts and methods.

2017 - 2020

Name of assignment or project: Toolbox Climate Resilient City
Location: Netherlands
Client: Ministry of Infrastructure and Water Management of The Netherlands
Main project features: Development of a planning support toolbox for collaborative climate resilient urban planning and design, to be used by urban planners, landscape architects and policy developers from cities and their consultant. The toolbox is open source and meant to accelerate climate adaptation in Netherlands' urban environment.
Position held: Project leader
Activities performed: Define database of blue, green and grey adaptation solutions (green infra / nature based solutions) including their effectiveness in terms of climate resilience and their co-benefits. Define packages of effective measures for selected types of urban districts and streets. Provide a tool to formulate adaptation targets (water assignment) and an Adaptation Support Tool for collaborative planning (multi-stakeholder, multidisciplinary) of adaptation measures and to assess their effectiveness, costs and co-benefits.

2016 - 2016

Name of assignment or project: Collaborative Adaptation Planning Support System for New Orleans
Location: United States
Client: Sewerage and Water Board New Orleans
Main project features: Customization of the Adaptation Support Tool (AST) and training of local facilitators in the use of the AST during collaborative design sessions.
New Orleans suffers from pluvial flooding and land subsidence. Moreover, several districts need an upgrade of the living conditions because of socio-economic reasons. Blue-green infra will be used to achieve required improvements. The City and the Water Board plan to plan and implement such facilities in close cooperation

with the local community. That is why they asked for operationalization of an own version of the AST.
Position held: Project Leader
Activities performed: (1) Customization of the Adaptation Support tool to the local conditions and demands
(2) Training of facilitators for collaborative design workshops and AST system administrators; organization of training sessions and design workshops.
(3) Helpdesk for facilitators and administrators. Organize front office and Back office
(4) Hosting of the web-based AST and continue innovating the tool

2016 - 2019

Name of assignment or project: Living Lab Land Subsidence City of Gouda
Location: Netherlands
Client: City of Gouda
Main project features: Control land subsidence in the historic inner city of Gouda and adjacent districts by improved control of groundwater and surface water levels. Technologies and governance aspects.
Position held: Project Leader
Activities performed: Install very detailed groundwater monitoring system in the city to study interaction between groundwater levels and surface water level, rainfall, leaky (old) sewer pipes, evapotranspiration and land use. Analyse monitoring result and capture spatial differences in groundwater level in a detailed groundwater model. Analyse land subsidence data from satellite and local levelling network and relate results to groundwater level dynamics and history of land filling. Study governance options and barriers including new formal decisions on surface water level regime and sewer reconstruction activities.

2015 - 2016

Name of assignment or project: Smart Sustainable District – Deep Dives Utrecht/Beurskwartier and Berlin/Moabit
Location: Germany, Netherlands
Client: Climate-KIC, Europe
Main project features: Develop climate resilient and attractive blue-green infra designs for the Utrecht Beurskwartier Area and for the Moabit district in Berlin. In Utrecht this as input for decisions on the spatial masterplan and on the business plan for Jaarbeurs fair and exhibition centre. A climate vulnerability assessment was made for pluvial flooding, drought and heat stress; critical infrastructure got extra attention. Adaptation targets were defined and these alternative solutions were produced in co-creative design sessions with the City of Utrecht and the Jaarbeurs staff. Alternatives were compared and evaluated using a 12 metrics evaluation scheme plus an analysis of co-benefits and co-investment opportunities.
Position held: Project leader
Activities performed: • Development and application of customized version of the Adaptation Support Tool
• Vulnerability assessment for flooding, drought and heat stress;
• Assessment of critical objects, networks and vulnerable people in the area to provide extra protection.
• Formulation of adaptation targets and potential responses in a collaborative planning process
• Develop adaptation scenarios and evaluate these scenarios on costs, benefits, co-benefits and co-investment opportunities (Utrecht)
• Energy potential of aquifer thermal energy systems and surface water thermal

energy extraction and smart E distribution system
• Integration of water – green – energy – mobility – in the urban plan and performance evaluation of preferred alternative.

2015 - 2016

Name of assignment or project: Two Rivers Urban Park (TRUP) project
Location: South Africa
Client: Ministry of Infrastructure and Water Management of The Netherlands
Main project features: Provide planning assistance to planning and development of new urban area, redevelopment of existing parts of the project area and realization of an urban park.
Position held: Senior expert Urban Water
Activities performed: 3 design workshops and peer review of system analysis reports, including river hydraulics, stormwater management , water supply, wastewater treatment, water quality, nature based solutions for the area, flood protection, climate resilient urban planning. Provide guiding models for spatial planning of urban development in the floodplain of two rivers.

2013 - 2014

Name of assignment or project: Climate Adaptation App (CAPP)
Location: Netherlands
Client: Climate *changes* Spatial Planning Foundation
Main project features: Develop a ranking tool to assist planners, designers and stakeholders in selecting appropriate adaptation measures for a project area – greenfield development or urban reconstruction. The app ranks the long list of over 130 structural adaptation measures and will shortly be made available on smartphone, tablet and pc.
Position held: Deputy PL, responsible for contents and development of the tool
Activities performed: Formulate long list of measures, weighting criteria and weighting procedure; supervise ICT development of tool

2013 - 2014

Name of assignment or project: Climate stress test and adaptation planning tools for urban areas in the Netherlands
Location: Netherlands
Client: Ministry of Infrastructure and Water Management of The Netherlands
Main project features: Development of a stress test for climate resilience or urban areas in the Netherlands and development of approach and tools for climate adaptation planning
Position held: Project leader
Activities performed: Development and pilot testing of approach and tools in 5 cities in the Netherlands. Tools include impact assessment tools – both quick scan and in depth – and design and decision support tools for adaptation planning and design.

2013 - 2015

Name of assignment or project: GreenInfra4Beira
Location: Mozambique
Client: RVO
Main project features: Development of green adaptation plan and for pilot district in Beira; pilot project design for maximization of ecosystem services.
Position held: Lead blue-green adaptation planning

Activities performed: Organize local planning and design sessions and develop tools to support the design process with information on the estimated performance of packages of adaptation measures.

2012 - 2015

Name of assignment or project: Blue Green Dream
Location: United Kingdom, Germany, France, Netherlands
Client: Climate-KIC, Europe
Main project features: Testing performance of blue-green adaptation solutions and realizing an Adaptation Support Tool (AST) for supporting the spatial planning and design process with a ranking tool to select an appropriate set of adaptation measures and to calculate the combined effects of these measures on resilience for flooding, drought and heat stress.
Position held: WP leader AST and leader NL-node of BGD
Activities performed: Formulate AST and implement this tool in a touch-table/map-table used for collaborative planning and design

2012

Name of assignment or project: Green Infrastructure Solutions for Water and Flood Risk Management in cities in India
Location: India
Client: World Bank
Main project features: Investigate applicability of green infrastructure solutions for flood protection and climate adaptation of two urban and peri-urban areas in India (Puri, Cochin).
Position held: project manager
Activities performed: Scan of green infrastructure solutions for flood protection, urban drainage, water supply and sanitation for the cities of Puri and Cochin. Formulate multifunctional and cost-effective GI pilots for these cities.

2011

Name of assignment or project: Master class Urban Flood Management
Location: Ho Chi Min City, Viet Nam
Client: RVO
Main project features: Master class for staff of SCFC, MARD and DONRE on the design of a flood protection strategy.
Position held: Teacher
Activities performed: Lecturing and supervising design workshop

2011 - 2013

Name of assignment or project: New Orleans Water Management Strategy
Location: United States
Client: Greater New Orleans Development Corporation
Main project features: Formulate water management strategy to protect New Orleans from flooding, minimize land subsidence and improve quality of urban environment with water. Strengthen economic development of the city of NO by improving water management
Position held: Senior consultant to the PM (from New Orleans)
Activities performed: Assist the PM in organizing the project and supervising the Water System Group working on flood risk assessment, hydrological system analysis and development of new adaptation and development strategies

2010 - 2014

Name of assignment or project: Climate Proof Cities
Location: Netherlands

Client: National Netherlands Research Foundation NWO
Main project features: Research into effects of climate change on urban living environment and on urban water systems, vulnerability assessment, urban flooding, effectivity of flood mitigation measures, extreme rainstorms, design support tools for flood risk mitigation
Position held: Member of the CPC programme core team and leader of theme
Activities performed: Field research into the urban climate, urban flooding, drought and heat stress. Role of water as cooling fluid of urban areas and water demand related to this role.
Improving reliability of urban flooding simulations and flood risk maps; damage sensitivity, flood control strategies for urban areas and adaptation measures to strengthen threshold, coping and recovery capacity.

2009 - 2010

Name of assignment or project: Climate resilience of the Netherlands – Urban areas
Location: Netherlands
Client: Ministry of Infrastructure and Water Management of The Netherlands
Main project features: climate adaptation vulnerability assessment of urban areas for flooding, drought and heat, adaptation strategies
Position held: project manager
Activities performed: Assessment of the climate robustness and the adaptability of Netherlands urban areas. Assessment of vulnerability for pluvial, fluvial, coastal and groundwater flooding, for droughts and for heat stress. Adaptation strategies.

2008 - 2010

Name of assignment or project: Dutch Dialogues
Location: United States
Client: Netherlands Ministry of Foreign Affairs / City of New Orleans
Main project features: Flood resilient urban development of New Orleans and coastal villages and settlements
Position held: Expert-advisor urban flood management
Activities performed: Collaborative design effort to reducing the vulnerability of the city of new Orleans and the villages and settlements along the coast to pluvial, fluvial and coastal flooding by improving its urban planning and design. Development of delta-urbanism.

2008 - 2009

Name of assignment or project: Scientific review of the Australian National Urban Water Governance Program
Location: Australia
Client: Monash University, Melbourne
Main project features: Evaluation of national research programme on on urban water governance and biofiltration. Barriers and drivers for research and implementation
Position held: Member of review team
Activities performed: Review of the programme on scientific quality, gaps and applicability. Evaluate deliveries and advise on future directions, barriers and challenges.

2008 - 2009

Name of assignment or project: Water robust building; flood resilient urban development
Location: Netherlands
Client: Knowledge for Climate research programme

Main project features: Vulnerability of urban areas to flooding, drought and heat, capacities to reduce vulnerability, long-list of hard and soft protection measures, spatial planning and flood protection
Position held: project leader
Activities performed: International literature review to identify hard and soft measures to reduce the vulnerability of urban areas for flooding, drought and heat stress, development of an approach to improve protection in the urban planning phase, the design and the maintenance phase of urban areas.

2007 - 2008

Name of assignment or project: Urban water in Japan
Location: Japan, Netherlands
Client: Delft University of Technology
Main project features: Comparison of approach to urban water management in Japan and the Netherlands. Protection strategy for urban flooding.
Position held: Team leader
Activities performed: In cooperation with numerous Japanese colleagues we made a comparison between the Japanese and the Netherlands approach to urban water management. Flood risk management is a major component in this study. Results are published in a book.

2005 - 2010

Name of assignment or project: Improving Building Site Preparation
Location: Netherlands
Client: Delft University of Technology
Main project features: land and water management adaptation for sustainable urban development and redevelopment; flood protection, land subsidence control, sustainable urban design and building

Position held: project leader
Activities performed: The project created a community of practitioners working on the civil engineering aspects of urban development and redevelopment. Studies were made into improving urban groundwater drainage, urban flood protection, land subsidence control, land filling strategies, cradle-to-cradle approaches and improving procedures and processes.

2004 - 2009

Name of assignment or project: Transition to sustainable and resilient urban water systems
Location: Japan, Australia, Netherlands
Client: Delft University of Technology
Main project features: vulnerability reduction, alternative water supply. Water as source of energy, transition management, receptivity
Position held: project leader
Activities performed: the study included the development of more sustainable solutions for urban flood protection, water supply and urban water management and the transition that is needed to realize implementation of innovative solutions. Innovation barriers for receptivity for new solutions were investigated in the Netherlands, Japan and Australia.

1998 - 1998

Name of assignment or project: MaNaVa urban flood control project.
Location: Philippines
Client: RVO

Main project features: urban flood protection, illegal settlements, coastal flood protection
Position held: consultant
Activities performed: Analysis of the pluvial, fluvial and coastal flooding threats of Malabon, Navotas and Valenzuela. Selection of adaptation measures, taking due account of the large illegal settlements in the most flood-prone areas.

1991 - 1997

Name of assignment or project: Cooperation in the field of water management with the Russian Federation and Ukraine
Location: Ukraine
Client: Rijkswaterstaat
Main project features: Establish Memorandum of Understanding, initiate, coordinate and cooperate in in water management projects
Position held: coordinator of the activities under the MoUs with Russian Federati
Activities performed: Initiate and supervise various projects on water management, flood protection and pollution control, e.g. on St Petersburg Storm Surge Barrier, Ekaterinburg water quality and water supply (partly linked with World Bank's Russian Federation Environmental Management Project), Don - Azov Sea Action Programme international river basin management

1991 - 1993

Name of assignment or project: EC Action programme for sustainable groundwater management
Location: Belgium, Netherlands
Client: European Commission, Belgium
Main project features: European assessment of problems and threats for groundwater. Advice on action programme to board of Ministers of Environment
Position held: member of the research and advisory team
Activities performed: Make an EC-wide assessment of threats to groundwater resources, like urbanization, groundwater extractions, agricultural practices, overexploitation and so on. Turn the results of this analysis into an advice on a European Groundwater Action Programme. This was accepted and implemented.

Publications

1980 Werkgroep Rioolstelsels
Kwaliteits- en kostenaspecten van rioolstelsels in nieuw aan te leggen woongebieden in de IJsselmeerpolders. Werkdoc. 1980-109 Abw/Abe. Rijksdienst voor de IJsselmeerpolders, Lelystad,
https://puc.overheid.nl/rijkswaterstaat/doc/PUC_42022_31/1/

1981 Van der Kloet, P., F.H.M. van de Ven, G.A. Ven en M. van der Wal
Enige modellen en berekeningsmethoden voor de relatie tussen neerslag en rioolinloop. Flevobericht 176. Rijksdienst voor de IJsselmeerpolders, Lelystad

1981 Van der Kloet, P. and Van de Ven, F.H.M.
Laguerre-series for linear and non-linear modelling of the rainfall runoff relation. In: B.C.Yen (ed) Proc. *of the Second Int. Conf. On Urban Storm Drainage*, Univ. Of Illinois, USA

1981 Van Dam, C.H., F.H.M. van de Ven, E.J.B. Uunk and J.D. Heijnis
Kwaliteits- en kostenaspecten van de rioolstelselkeuze: ervaringen in Flevoland. *H2O* 14 (24), pp 571-576, https://edepot.wur.nl/387200

1982 Van de Ven, F.H.M.
Some preliminary ideas about modeling water quality in an urban environment. Werkdoc. 1982-304 Abw. Rijksdienst voor de IJsselmeerpolders, Lelystad

1982 Van de Ven, F.H.M.
De afvoer van neerslag in een stad. In: *50 jaar onderzoek door de R.IJ.P.* Flevobericht 163, deel 2. Rijksdienst voor de IJsselmeerpolders, Lelystad

1982 Van de Ven, F.H.M.
Monitoring water quantity and water quality in an urban basin. In: *Advances in hydrometry, Proc. Exeter Symposium, IAHS publ. 134* pp 247-256, https://iahs.info/uploads/dms/5554.247-256-134-van-de-Ven.pdf

1982 Van de Ven, F.H.M. and Ven, G.A.
A comparison between the runoff from a rural and an urban basin. In: *Polders of the World*, Proc. of the int. symposium, Lelystad. ILRI Wageningen, pp 675-685, https://edepot.wur.nl/380815

1983 Van de Ven, F.H.M.
Duurlijnen: gebruik en misbruik. *Cultuurtechnisch Tijdschrift* 23 (1) juni/juli

1983 Van de Ven, F.H.M.
About the probability distribution of dry spells. Werkdoc. 1983-164 Abw. Rijksdienst voor de IJsselmeerpolders, Lelystad

1983 Van de Ven, F.H.M. and F.C. Zuidema
Progress in urban water management since 1979 in the Netherlands. In: Delleur, J.W. *International Symposium on Urban Hydrology* – Baltimore. pp120-134

1983 Van de Ven, F.H.M.
Maatgevende neerslag, maatgevende inloop. *H2O* 16 (3, Feb) pp 62-67, https://edepot.wur.nl/385548

1983 Van de Ven, F.H.M.
Opzet van een onderzoek in Lelystad naar de vuiluitworp van regenwaterriolen en hun invloed op het oppervlaktewater. *H2O* 16 (21) pp 481-484, https://edepot.wur.nl/386320

1983 Van de Ven, F.H.M.
Onderzoek op het gebied van de stedelijke hydrologie. Nationwide urban runoff project. *H2O* 16(24), p 562-564 https://edepot.wur.nl/386588

1983 Van de Ven, F.H.M.
Ontwerp afvoerintensiteit en ontwerp-inloopprofielen. Flevobericht 222. Rijksdienst voor de IJsselmeerpolders, Lelystad

1983 Van de Ven, F.H.M., D. van Hoorn, E.J.B. Uunk, J.E. de Weijer and M. Snijdelaar *Studierapport grondwaterbeheer in Flevoland.* Rijkswaterstaat, Directie Zuiderzeewerken Rijksdienst voor de IJsselmeerpolders, Lelystad, 83 p + 27 bijl. https://library.wur.nl/WebQuery/hydrotheek/197271 .

1984 Van de Ven, F.H.M.
Design inflow intensity and design inflow profiles for storm sewers. Water *Science and Technology*, 16,(8/9),https://doi.org/10.2166/wst.1984.0192

1984 Van de Ven, F.H.M.
Een model voor het schatten van de duur van overstortingen en de hoeveelheid rioolwater die daarbij vrijkomt, met als voorbeeld het stelsel Harderwijk-Ermelo-Putten. R.IJ.P. rapport 1984-22 Abw. Rijksdienst voor de IJsselmeerpolders, Lelystad

1984 Voortman, B.R., J.A. van de Berg, F.H.M. van de Ven
Het grondwater van Lelystad. R.IJ.P.-rapport 1984-23 Abc/Abw. Rijksdienst voor de IJsselmeerpolders, Lelystad

1984 Van de Ven, F.H.M.
Grondwaterbeheersing en drainvervuiling in het stedelijk gebied. Werkdocument 1984-129 Abw. Rijksdienst voor de IJsselmeerpolders, Lelystad

1984 Van Dam, C.H. and Van de Ven, F.H.M.
Infiltration in Pavement. In: Balmer,P. e.a.(ed) *Proc. of the Third Int. Conf. on Urban Storm Drainage*, June 4-8, 1984, Chalmers Univ., Göteborg

1984 Uunk, J.E.B. and Van de Ven, F.H.M.
Water budgets for the town of Lelystad. In: Balmer,P. e.a.(ed) *Proc. of the Third Int. Conf. on Urban Storm Drainage*, June 4-8, 1984, Chalmers Univ. Göteborg

1984 Van de Ven, F.H.M.
Ontwatering van stedelijke gebieden: verslag van een conferentie. *H2O* 17(22), https://edepot.wur.nl/385348

1985 Werkgroep Alternatieve Waterbeheersing Stedelijke Gebieden
Alternatieven voor de waterbeheersing van stedelijke gebieden; technieken voor verspreide afvoerbeheersing. R.IJ.P. rapport 1985 – 38 Abw/Cdc. Rijksdienst voor de IJsselmeerpolders, Lelystad

1985 Van de Ven, F.H.M.
Drainagevervuiling verhoogt grondwaterstad. Pt-Civiele Techniek (5; mei)

1985 Van de Ven, F.H.M. and E.J.B. Uunk
The urban water research project, Lelystad, The Netherlands. *Water Science and Technology*, 17 (8 pt 4) pp 1361-1362

1985 Van de Ven, F.H.M., Voortman, B.R.
De Waterbalans van een stedelijk gebied: ervaringen in twee gebieden in Lelystad. *H2O*, 18 (8) pp 170-174, https://edepot.wur.nl/383079

1985 Van de Ven, F.H.M.
From rainfall to sewer inflow; a process with consequences. In: Hooghart, J.(ed) *Water in urban areas*. TNO Comm. Hydrol. Res., Proc. and Inform. 33, pp47-75

1986 Van de Ven, F.H.M. and J.C. Hooghart (eds)
Urban storm water quality and effects upon receiving waters. International Conference, Wageningen (October 1986). *Proc. & Inform. – Committee for Hydrological Research TNO,* 36, ISBN 90-6743-089-7, https://edepot.wur.nl/184265

1986 Van Dam, C.H., Scholten, M., Van de Ven, F.H.M.
Urban water quality in Lelystad; rainfall and runoff from selected surfaces. In: Hooghart, J.(ed) *Urban storm water quality and effects upon receiving waters*.Proc. & Inform. – Committee for Hydrological Research TNO, 36, pp 25-37, https://www.nhv.nu/wp-content/uploads/2020/07/CHO_v36_Urban_storm_water_quality_and_effects_upon_receiving_waters.pdf

1986 Uunk, E.J.B. and F.H.M. van de Ven
Water quantity and quality in the new town Lelystad. In: L.G. Solbe (ed). *Effects of land use on fresh water: Agriculture, forestry, mineral exploitation, urbanisation*. Wiley, ISBN 0-7458-0054-8

1986 Van de Ven, F.H.M. en P.G. Kruitwagen
Gesuspendeerde stof als spil-variabele voor een waterkwaliteitsmodel. Toepassing op een gracht in Lelystad. *H2O* 19(15), https://edepot.wur.nl/383382

1986 Van de Ven, F.H.M.
Data evaluation in field studies of urban runoff quality; aspects of assessing the measurement interval. In: Torno H. e.a.(ed) *Urban Runoff Pollution*. NATO ASI Series G Vol.10, Springer Verlag, ISBN 978-3642708916

1987 Geldof, G.D., E.N. Boere, F.H.M. van de Ven
Grondwaterbeheersing in stedelijke gebieden; grondwaterstanden vaak te hoog. *Pt/ Civiele Techniek* 42(1), pp43-48

1987 Van de Ven, F.H.M., A. Oldenkamp
De kwaliteit van de afvoer van een hoofdweg in Lelystad. *H2O* 20 (7) pp 148-151, https://edepot.wur.nl/412423

1987 Lijklema, L. and F.H.M. van de Ven
Rioolwaterlozingen en waterkwaliteit. Verslag van een conferentie. *H2O* 20 (5), p 115-116, https://edepot.wur.nl/383449

1987 Griffioen, P. and F.H.M. van de Ven
Assessing the effect of urbanization on the water quality of the River Rhine; estimation of the natural baseline quality. Report. Dienst Binnenwateren / RIZA, Lelystad

1987 Van de Ven, F.H.M.
Waterbeheersing stedelijke gebieden. Dictaat F16S.
Vakgroep Gezondheidstechniek en Waterbeheersing, Technische Universiteit Delft

1989 Arnold, G.E., W.J. de Lange en F.H.M. van de Ven
Omgaan met Grondwater; van winbare hoeveelheid naar integraal Grondwaterbeheer. Nota 89.044x, Dienst Binnenwateren / RIZA, Lelystad

1989 Van de Ven, F.H.M.
Van neerslag tot rioolinloop in vlak gebied. (From rainfall to sewer inflow in flat areas. PhD Thesis TU Delft. Van Zee tot Land 57, Rijkswaterstaat, directie Flevoland. ISBN 90-369-1060-9, http://resolver.tudelft.nl/uuid:650ad497-e122-4fb7-a7d6-9e444474365f

1990 Van de Ven, F.H.M.
Inloop moet basis zijn voor ontwerp rioolstelsel. *Land en Water*, 12, pp 52-55

1990 Nelen, A.J.M., F.H.M. van de Ven, H.J.G. Hartong, R.W.G.M. Melis
Evaluation of the real time control system for the water collection and treatment system in Westfriesland. In: *Hydrological processes and water management in urban areas. Lectures and papers UNESCO/IHP Symposium Duisburg, Lelystad, Amsterdam and Rotterdam, 1988, IAHS publ. no. 198*, ISBN 0-947571-82-5, pp149-155, https://iahs.info/uploads/dms/8522.149-155-198-Nelen.pdf

1990 Van de Ven, F.H.M.
Storage – design discharge – frequency curves as a basis for storm sewer design in flat areas. In: Iwasa, Y. and T. Sueishi (eds) *Proc. Fifth Int. Conf. on Urban Storm Drainage*, Suita, Osaka University, pp577-580

1990 Van de Ven, F.H.M.
Water balances of urban areas. In: Massing, H., Packman, J. and Zuidema, F.C., (eds.*)* *Hydrological processes and water management in urban areas. IAHS publ. no. 198*, ISBN 0-947571-82-5, p 21-32, https://iahs.info/uploads/dms/8508.21-32-198-van-de-Ven.pdf

1991 Van de Ven, F.H.M.
Van hydrofoob tot hydrofiel; de waterhuishouding van de stad van morgen. *Stedebouw en Volkshuisvesting* (72), p 26-31

1991 Van de Ven, F.H. M. en De Booij, C.
Optimalisatie grondwatermeetnet voorkomt schade. *PT/civiele techniek*, no 1, p 18-21

1991 Aalderink, H., Nelen, A.J.M. en Van de Ven, F.H.M.
Fifth international conference on urban storm drainage, Japan, Juli 1990. *H2O* 24 (2), p 45-52, https://edepot.wur.nl/374906

1991 Van de Ven, F.H.M., D. Gutknecht, D.P. Loucks en K.A. Salewicz (eds.)
Hydrology for the water management of large river basins. IAHS Publication Nr. 201, Wallingford, https://iahs.info/uploads/dms/8667.Publ201-Preface.pdf

1991 Kohsiek, L., and Van de Ven, F.H.M.
Sustainable use of groundwater; Problems and threats in the European Communities. RIVM/RIZA report 600025001,
https://puc.overheid.nl/rijkswaterstaat/doc/PUC_4470_31/

1992 Van de Ven, F.H.M., L. Kohsiek, J. da Silva, J.J. Fried

EC Action Programme for sustainable use of groundwater. *European Water Pollution Control* 2 (4) p.9-19, https://www.oieau.fr/eaudoc/system/files/documents/3/19657/19657_doc.pdf

1993 Van de Ven, F.H.M., J.A.P.H. Vermulst; Voorbereidingscommissie Onderzoekprogramma Verdroging
Nationaal Onderzoekprogramma Verdroging. NOV rapport, RIZA, Lelystad

1995 Van de Ven, F.H.M., L. Kohsiek, *et al*.
Groundwater. In: D. Stanners en P. Bourdeau, (eds) *Europe's Environment; The Dobrís Assessment*, pp 64-73, Luxembourg (Luxembourg) Office for Official Pub. of the European Communities, ISBN 92-826-5409-5

1993 Van de Ven, F.H.M.
The role of policy analysis for the Netherlands water management. RIZA, Lelystad

1993 Van de Ven, F.H.M., G.E. Arnold en R.H. van Waveren
Integraal waterbeheer: reken maar! Achtergronden bij de ontwikkeling van een aantal modellen bij RIZA. *Waterschapsbelangen,* 21, pp 809-813

1994 Van de Ven, F.H.M.
Houses with wet feet: Groundwater nuisance and its abatement in the Netherlands. *Water Science & Technology*, Vol 29. no.1-2, pp 231-237, https://doi.org/10.2166/wst.1994.0669

1995 Van de Ven, F.H.M., G.H.P. Oude Essink en B. Parmet
Klimaatverandering en Zeespiegelstijging. *Handboek HMB Waterbeheer*, B 1600, pp 1-28, Samsom

1996 De Jong, J., F.H.M. van de Ven en J. Hendriksma
Op weg naar een dialoog over hydro-informatie. *Het Waterschap*, Nr. 13, pp 435-438

1996 Van de Ven, F.H.M.
Objectives and targets in water management. In: *Healthy Water by Better Management. Proc. of Int. Seminar in Ekaterinburg*, April 22-26, RIZA/RosNIIVKh, Lelystad / Ekaterinburg

1996 Leavesley, G.H., F.H.M. van de Ven, *et al.* (eds.)
Destructive Water. Water caused natural disasters, their abatement and control. IAHS-Publication no 239, Wallingford, https://iahs.info/uploads/dms/10574.Publ239-Preface.pdf

1997 Ven, F.H.M. van de, Monster, N.J. en Leeflang, M.J.
Een ontwerpgrafiek voor infiltratiesleuven ook voor stadswijken met hoge grondwaterstanden. *H2O*, 30, nr. 14, https://edepot.wur.nl/363397

1998 Leeflang, M., N. Monster en F. van de Ven
Design graphs for stormwater infiltration facilities.

Hydrological Sciences Journal, 43,(2) April, 173-180, https://www.tandfonline.com/doi/epdf/10.1080/02626669809492116?needAccess=true&role=button

1998 Van de Ven, F.H.M., H. van Haperen and A. Ubbels
New ways for decision making in water management and their effects on decision support systems. In: Miura, N. et al., *Lowland Technology. Proc. Int. Symp.*, Institute of Lowland Technology, Saga University, Japan

1998 Van de Ven, F.H.M.
Overzicht van mogelijke maatregelen ter verbetering van het stedelijk waterbeheer; .....er zijn gelukkig vele wegen die naar Rome leiden. *Cursusboek Stedelijke Waterplannen*. Stichting Wateropleidingen, Utrecht

1998 Van Bost, S.P.A., F.H.M. van de Ven en K.J. Breur
Meetplan voor infiltratievoorzieningen in Sterrenburg, Dordrecht. Eindrapport. Afd. Water Management, CiTG, TU-Delft

1998 Van de Ven, F.H.M.
Het ontwerp van infiltratie- en wegzijgingsvoorzieningen. *Cursusboek Techniek van Afkoppelen; voor mij al gesneden koek?* Stichting RIONED, Ede

1999 Van der Stelt, M.L., F.H.M. van de Ven en C.A. Verhoeven
Richtlijnen voor aanleg, beheer en onderhoud van infiltratie- en percolatievoorzieningen. *Mededeling WMG* 80 Faculteit CiTG, TU-Delft

1999 Van de Ven, F.H.M. en M. Rijsberman
Impact of groundwater on urban development in The Netherlands. In: Ellis, J.B. (ed.) *Impact of Urban Growth on Surface water and Ground Water Quality, IAHS publication 259*, pp 13-21, Wallingford.

1999 Rijsberman, M.A. en F.H.M. van de Ven
Concepts and approaches to sustainable development in urban water management. In: Joliffe, I.B. en J.E. Ball, *Proceedings 8th Int. Conf. Urban Storm Drainage,* Sydney, ISBN 0 85825 718 1 pp 42-49

1999 M.A. Rijsberman en F.H.M. van de Ven
De betekenis van duurzaamheid in het waterbeheer. *H2O*, nr 18, pp 49-51

1999 Aquest-groep Standaard Raamwerk
Een standaard raamwerk voor modellen. *Het Waterschap* nr 18, pp 828-833

2000 F.H.M. van de Ven
Anders Verkennen. *Het Waterschap* (85) nr 5, pp243 - 247

2000 M.A. Rijsberman and F.H.M. van de Ven
Different approaches to assessment of design and Management of sustainable urban water systems. *Environmental Impact Assessment Review* 20 (3), pp. 333-245

2000 F.H.M. van de Ven and J. Geenen
Assessing developments in society for supporting decision making on Lowlands Water Mangement. In N. Miura et al., *Lowland Technology International*, pp 97 - 106, Institute of Lowland Technology, ISBN 4-921090-02-05

2000 K.J. Breur, J.G. Langeveld, M.A. Rijsberman en F.H.M. van de Ven
Inventarisatie kennisbehoefte riolering en stedelijk waterbeheer. TU Delft, afd Watermanagement

2000 F.H.M. van de Ven, R. Brouwer, N.S.M. Douben, *et al*.
Trends in Water. RIZA werkdocument 2000.038X, RIZA, Lelystad

2001 T. van Zeijts, F. van de Ven,
Drainage en infiltratie in stedelijke gebieden 1: Keuze van omhullingsmaterialen bij drainage. *Land+Water* nr 1/2-2001, pp 38-41

2001 T. van Zeijts, F. van de Ven,
Drainage en infiltratie in stedelijke gebieden 2: Geotextielen bij infiltratie? Liever iets beters!. *Land+Water* nr 3/2-2001, pp 38-41

2001 T. van Zeijts, F. van de Ven,
Drainage en infiltratie in stedelijke gebieden 3: Effect van doorspuiten op werking en levensduur. *Land+Water* nr 4/2-2001, pp 37-39

2001 F.H.M. van de Ven, J. Cappon, A. Ubbels *et al*.,
AQUEST, search for better support to decision makers in water policy development. In: M.A. Marino, S. Simonovic, *Integrated Water Resources Management, IAHS publication 272,* Wallingford, pp 57-62 ISBN 1-901502-71-6,
https://iahs.info/uploads/dms/12136.057-62-Publ.-272-Van-de-Venn--D38--pages-57-62.pdf

2001 F. Nelen, J. Bosma, M. Rijsberman, A. Fermont, F. van de Ven (projectleiding)
Evaluatie Stedelijke/Gemeentelijke Waterplannen. RIZA rapport 2001-29; STOWA rapport 2001-31, Lelystad/Utrecht, ISBN 90-3695-3839

2001 F.H.M. van de Ven, M. Rijsberman, P. Baan, S. Tjallingi, P. van Eijk,
Duurzaam Stedelijk Waterbeheer; verschillende benaderingen. Delft Cluster rapport 06.02.01/juli 2001, Delft

2001 *Expression of interest ICES-KIS-3 Investeringsimpuls* Ruimte voor water | Waarden van Water, CUR, Gouda

2001 F.H.M. van de Ven
Water beheren in de 21e eeuw. Stichting Postacademisch Onderwijs, Delft, met eigen bijdrage 'Omgevingsverkenning'

2002 F.H.M. van de Ven
Listening better to the water; Water as an organizing principle in spatial planning of urban areas . In S. Hayashi et al., *Proc. Lowland Technology 2002*, pp 333 - 338, Institute of Lowland Technology, ISBN 4-921090-03-3

2003 F.H.M. van de Ven
Van neerslag tot rioolinloop in vlak gebied; terugblik op een proefschrift. *Rioleringswetenschap en –techniek* 3(11, okt) pp 37-44, https://library.wur.nl/WebQuery/hydrotheek/1716074

2003 Rijsberman, M.A., F.H.M. van de Ven
Urban water planning; working with subjectivity. In C.A. Brebbia (ed) *Water resources management/ Progress in Water Resources*, 8, pp 13-25

2003 F.H. M. van de Ven, H.M.C. Satijn en R.J. van der Kluit
Living with Water knowledge project; countdown. In: *Euraqua Scientific and technical Review 10 Improving Freshwater Research for the Benefit of European Society.* Euraqua. Centre for Ecology and Hydrology, Wallingford, UK.

2004, 2005, 2006, 2007 2008 en 2009 F.H.M. van de Ven en D. Biron
Beter Bouw- en Woonrijp Maken. Stichting Postacademisch Onderwijs, Delft

2004 Van de Ven , F.H.M., J.C. Gehrels en N.G.C. van Oostrom
Koepeldocument kennisontwikkeling stedelijk waterbeheer. STOWA rapport 2004-46, ISBN 90.5773.278.5

2004 Van de Ven, F.H.M.
Wakker worden: Water voor de deur. *Land+Water*, 4(44) pp 14-15

2005 Gehrels, J.C., Van de Ven , F.H.M., en N.G.C. van Oostrom
Kennisontwikkeling in het stedelijk waterbeheer. H2O 38 (14/15) pp 26-27

2005 De Fabriek (P. Saager, W. Aarnink, M. de Roos, F. van de Ven, T. Bresser, F. van de Bolt en J. Latour), K*ennisvragen NBW; articulatie en ordening van de kennisvragen voortvloeiend uit KRW en WB21*, 14 februari 2005, RIZA werkdocument 2005, 075X, Lelystad

2005 Van de Ven, F.H.M.
Morphology and water management. In: F. Hooimeijer, H. Meyer and A. Nienhuis (eds) *Atlas of Dutch water cities* (pp 174-180). SUN, Amsterdam ISBN 90 5875 174 0 (also available in Dutch)

2005 L. van de Winckel, M. Urlings, H. Prinsen en F. van de Ven
Samen werken aan grondwateroverlast. *H2O* 38(19), pp 58-61

2005 Van de Winckel, L., H. Prinsen, F.H.M. van de Ven
Grondwateroverlast oplossen door technische maatregelen. *Civiele Techniek* 60(6), pp 16-18

2005 De Bruine, E.P., D. Klopstra en F.H.M. van de Ven
Over de waarde van de norm. *Het Waterschap* 13, pp 17-18

2005 B. van Genugten, F. van de Ven en M. Kok

Voorwaarden buitendijkse bebouwing langs de rivieren. *H2O* 38(24), pp37-39

2005 R.E. de Graaf and F.H.M. van de Ven
Transitions to more sustainable concepts of urban water management and water supply. *Proc. 10th Intern. Conf. On Urban Drainage*, 21-26 August 2005 Copenhagen, Technical University of Denmark, pp1-8

2005 F.H.M. van de Ven, S.P. Tjallingii. P. Baan, P. van Eijk en M. Rijsberman
Water in Drievoud; benaderingen voor stedelijke waterplannen. Eburon Delft, ISBN 90 5972 096 2

2006 Van de Ven, F.H.M.
Urban Drainage and Water Management. Lecture notes CT5510
Faculty of Civil Engineering and Geosciences, Delft University of Technology

2006 F.H.M. van de Ven, D.J. Biron, M. Bonte, W.M. Visser and P. van Oppen
Building site preparation: the key to better urban water management and living conditions. In: S. Hayashi, H. Araki and K. Hokao, *Proc. Int. Symp. on Lowland Technology 2006*, Inst. Of Lowland Technology, Saga University, Japan, ISBN 4-921090-04-1, pp 421-425

2006 R.E. de Graaf and F.H.M. van de Ven
A three-track research approach for sustainable urban water management in lowland areas. In: S. Hayashi, H. Araki and K. Hokao*, Proc. Int. Symp. on Lowland Technology 2006*, Inst. Of Lowland Technology, Saga University, Japan, ISBN 4-921090-04-1, pp 439-444

2006 De Graaf, R.E. en F.H.M. van de Ven
Waterbeheersing in de stad van de toekomst. *H2O* 7(39), pp 16-17

2006 Van de Ven, F., S.P. Tjallingii, P.J.A. Baan, P.J. van Eijk and M. Rijsberman
Improving urban water management planning. In: S. Hayashi, H. Araki and K. Hokao, *Proc. Int. Symp. on Lowland Technology 2006*, Inst. Of Lowland Technology, Saga, Japan, ISBN 4-921090-04-1, pp 573-578

2006 De Graaf, R.E., N.C. van de Giesen and F.H.M. van de Ven
Utilization of local water resources to reduce vulnerability of urban areas for climate change. *Proc. Of the European Geosciences Union Vol. 8 Geophysical Research Abstracts*. pp 1-2, Wenen

2007 De Graaf, R.E., N.C. van de Giesen and F.H.M. van de Ven
Alternative water management options to reduce vulnerability for climate change in the Netherlands. *Natural Hazards*, https://doi.org/10.1007/s11069-007-9184-4

2007 Graaf, R.E. de, F.H.M. van de Ven, I. Miltenburg, G. van Ee, L.C.E. van de Winckel en G. van Wijk
Exploring the technical and economic feasibility of using the urban water system as a sustainable energy source, In: Z. Guzovic et al. *Proc. of the 4th Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems*, 4-8 June 2007, Dubrovnic: Faculty of mech. Eng., Zagreb

2007 R.E. de Graaf, N.C. van de Giesen en F.H.M. van de Ven
The closed city as a strategy to reduce vulnerability of urban areas for climate change. *Water Science and Technology*, 56 (4), pp 165-173

2007 Van Wee, T.H., M. Bonte, M.P. Hartog, P. de Putter, F.H.M. van de Ven, W.M. Visser and D.J. Biron
Ontwatering in stedelijk Gebied. Beter Bouw- en Woonrijp Maken. SBR, Rotterdam, GD112-7, ISBN 978-90-5367-466-6, https://edepot.wur.nl/117102

2007 Van de Ven, F.
Blauw in de stad, ontwerpen in civieltechnisch perspectief. In: S.P. Tjallingii en R. Berendsen (ed), *Een rijke bron; een nieuwe rol van water in ontwerpen voor de stad*. Pp185-191.Techne Press Amsterdam, ISBN 978-90-78469-02-5

2007 Luijendijk, E., M. de Gunst, F. van de Ven and E. Tromp
Bouwen aan een waterrobuuste stad. . *H2O* 22(40), pp52-55

2007 Van de Ven, F.H.M.
Blauw in de stad, ontwerpen in civieltechnisch perspectief. In S.P. Tjallingii en R. Berendsen. Een rijke bron; een nieuwe rol van water in ontwerpen voor de stad. Techne Press, ISBN: 978-90-78469-02-5

2007 Van Wee, L. and F. van de Ven
Grondwateroverlast voorkomen. *Stedebouw & architectuur / urban design* (24) nr. 8, pp23,25.

2007 Wee, L. van, Biron, D., Hartog, M., Ven, F. van de
Peilbeheer en ontwatering in de stad gaan samen. H2O 19, pp13-15.
https://edepot.wur.nl/343115

2007 Van der Toorn Vrijthoff, W. and F. van de Ven
Introduction: Water's changing context. In: F. Hooimeijer and W. Van der Toorn Vrijthoff (ed), *More Urban water: design and management of Dutch water cities*. Urban Water Series, Taylor & Francis Group, London, ISBN 978-0-415-45358

2007 Ertsen, M. and F. van de Ven
Water in the Urban Environment. In: N. Munier (ed), *Handbook on Urban Sustainability*. Pp 511-566, Springer, Dordrecht, ISBN 1-4020-5350-9

2007 De Graaf, R., F. van de Ven, I. Miltenburg, B. van Ee, L. van de Winkel and G. van Wijk, Verkenning technische en economische haalbaarheid van het stedelijk watersysteem als energieleverancier. *Rioleringswetenschap*, 7(28), pp 30-45

2008 Van de Ven, F., H. Furumai and K. Koga
Chapter 1. Introduction. In: R. de Graaf and F. Hooimeijer (editors), *Urban Water in Japan*. Urban Water Series Volume 11, pp1-16, Taylor & Francis Group, London, ISBN 9780415453608

2008 Boogaard F.C., Van de Ven, F.H.M. and Palsma A.J.

Dutch guidelines for the design & construction and operation of SUDS. In: R. Ashley & A. Saul (eds) *Proc. 11th Intern. Conf. on Urban Drainage*, p 1-7 Edinburgh/Scotland, Joint committee on urban drainage IWA/IAHR, https://www.researchgate.net/publication/263045769_Guidelines_for_the_design_construction_and_operation_of_SUDS

2008 Rijke, J.S., R. de Graaf, F. van de Ven, R.R. Brown and D.J. Biron
Comparative case studies towards mainstreaming water sensitive urban design in Australia and the Netherlands. In: R. Ashley & A. Saul (eds) *Proc. 11th Intern. Conf. on Urban Drainage*, p 1-10 Edinburgh/Scotland, Joint committee on urban drainage IWA/IAHR, https://www.researchgate.net/publication/228423231_Comparative_case_studies_towards_mainstreaming_water_sensitive_urban_design_in_Australia_and_the_Netherlands

2008 Meyer, V.J., E. Luiten, B. Bach, F. van de Ven en S. Bijleveld
De nieuwe Purmer: Meerstad, Duinstad of Gridstad. In: O. Appelman and M. Vissers, *Purmer – Meer – ontwerpen aan de Purmer als bundelingsgebied in het nationaal landschap Laag Holland* (pp 54-63), Techne Press Amsterdam, ISBN: 978-90-78469-04-9

2008 De Graaf, R., F. van de Ven, I. Miltenburg, B. van Ee, L. van de Winkel and G. van Wijk, Exploring the technical and economic feasibility of using the urban water system as a sustainable energy source. *Thermal science*, Vol 12, Nr 4 pp 35-50, https://doi.org/10.2298/TSCI0804035d

2008 Schuetze, T. (ed), S. Tjallingii, A. Correlje, R. de Graaf, Maki Ryu, F. van de Ven
Every drop counts; environmentally sound technologies for urban and domestic water use efficiency. DTI/0987/PA, UNEP DTIE / TU Delft, Osaka / Delft, ISBN 978-92-807-2861-3

2009 Van de Ven, F., E. Luyendijk, M. de Gunst, E. Tromp, M. Schilt, L. Krol, B. Gersonius, C. Vlaming, L. Valkenburg, R. Peeters
Waterrobuust Bouwen; de kracht van kwetsbaarheid in een duurzaam ontwerp. SBR Artikelnr 604.08 Beter Bouw- en Woonrijp Maken / SBR, Rotterdam, ISBN 978 90 5367 496 3, https://edepot.wur.nl/13154

2009 Van de Ven, F.H.M., B. Gersonius, R. de Graaf, E. Luijendijk, C. Zevenbergen,
Towards water robust urban environments: Linking planning, design, building process and exploitation using a three-step approach. In: Proc. Conf. Road Map Towards a Flood Resilient Urban Environment, COST- UNESCO-IHP, 25-27 November 2009, Paris. ISBN 978-3-937693-12-5

2009 De Graaf, R., R. Dahm, F. van de Ven and W. Dassen
Innovatief waterbeheer vermindert stedelijke kwetsbaarheid. *H2O* 22(42), pp 14-16, https://edepot.wur.nl/340511

2009 Van de Ven, F.H.M., H. Gehrels, H. van Meerten, B. van de Pas, E. Ruijgh, D. Vatvani, N. van Oostrom and Th van der Linden, *Land & Water Management in the Urban Environment*, Deltares, Utrecht/Delft, https://pub.kennisbank.deltares.nl/home

2010 Vergroesen, A.J.J., N.C. van de Giesen and F.H.M. van de Ven
Comparison of implicit and explicit connection of fast- and slow-flowing components of a water system. *Hydrological Sciences Journal* 55(3), 287–302, https://doi.org/10.1080/02626661003683223

2010 Van de Ven, F.H.M., B. Gersonius, R. de Graaf, E. Luijendijk, C. Zevenbergen, E. Tromp and L.A. Valkenburg
Water robust building: A three step approach for the Netherlands, linking planning, design, construction and exploitation. Report KvR 016/2010. ISBN 978-90-8815-017-3, https://edepot.wur.nl/300653

2010 Romero, Y. L., J. Bessembinder, N. C. van de Giesen, F. H. M. van de Ven
A relation between extreme daily precipitation and extreme short term precipitation. *Climatic Change*. https://doi.org/10.1007/s10584-010-9955-x

2010 Vergroesen, T. U. Man Joshi, N. C. van de Giesen and F. H. M. van de Ven
High resolution rainfall – runoff measurement setup for green roof experiments in a tropical environment. *Hydrology and Earth System Sciences Discussions* (7) p9367–9410, doi:10.5194/hessd-7-9367-2010, www.hydrol-earth-syst-sci-discuss.net/7/9367/2010/

2010 Van de Ven, F., E. van Nieuwkerk, K. Stone, C. Zevenbergen, W. Veerbeek, J. Rijke, S. van Herk
Building the Netherlands Climate Proof: Urban Areas. Report 1201082-000-VEB-0003, Deltares and UNESCO-IHE, Delft/Utrecht, https://publications.deltares.nl/1201082_000.pdf

2011 De Graaf, R.E., R. J. Dahm, J. Icke, R. W. Goetgeluk, S. J. T. Jansen, F. H. M. van de Ven
Perspectives on innovation: a survey of the Dutch urban water sector. *Urban Water Journal*, 8: 1, 1-12, https://doi.org/10.1080/1573062X.2010.527351

2011 Van de Ven, F.H.M., B. Gersonius, R. De Graaf, E. Luijendijk and C. Zevenbergen
Creating water robust urban environments in the Netherlands: linking spatial planning, design and asset management using a three-step approach. *J. Flood Risk Management*. https://doi.org/10.1111/j.1753-318X.2011.01109.x

2011 Riel, W. van, D. Tollenaar en F. van de Ven
Wateroverlast en onzekerheid: een integraal perspectief. *H_2O* 2011(13) 39-42, https://edepot.wur.nl/339592

2011 Leeuwen, K. van, J. Frijns, A. van Wezel and F. van de Ven
Duurzaamheid stedelijke waterketen af te leiden uit 24 indicatoren. *H_2O* 2011(13) 35-38 https://edepot.wur.nl/339591

2012 Leeuwen, C.J. van, J. Frijns, A. van Wezel and F. van de Ven
City Blueprints: 24 Indicators to Assess the Sustainability of the Urban Water Cycle. *Water Resources Management,* p2177–2197, https://doi.org/10.1007/s11269-012-0009-1

2013 Tromp, E., Ven, FHM van de.

Creating new opportunities by integrating water safety and spatial planning. In A Chavoshian & K Takeuchi (Eds.), *Floods: From risk to opportunity*: Proceedings of the 5th international conference on flood management (ICFM5) (pp. 143-150). IAHS Press. https://iahs.info/uploads/dms/15653.22-143-150-357-1-16_Tromp.pdf

2014 Lucke, T., F. Boogaard, F. van de Ven
Evaluation of a new experimental test procedure to more accurately determine the surface infiltration rate of permeable pavement systems, *Urban, Planning and Transport Research*, https://doi.org/10.1080/21650020.2014.893200

2014 Boogaard F.C., Frans van de Ven, Jeroen G. Langeveld, Nick van de Giesen
Stormwater Quality Characteristics in (Dutch) Urban Areas and Performance of Settlement Basins. *Challenges* 2014, 5(1), 112-122;https://doi.org/10.3390/challe5010112

2014 Boogaard, F.; Lucke, T.; van de Giesen, N.; van de Ven, F.
Evaluating the Infiltration Performance of Eight Dutch Permeable Pavements Using a New Full-Scale Infiltration Testing Method. *Water* 2014, 6, 2070-2083; https://doi.org/10.3390/w6072070

2014 Van de Ven F.H.M. en J.C.J. Jacobs.
Water. Vriend én vijand van de gezonde stad. In: Gezonde Verstedelijking. *Lichtkogel*. 2014 Nr 2, p14-19, Rijkswaterstaat, Den Haag, file:///C:/Users/ven_fs/Downloads/gezonde_verstedelijking_2014_rws_trenddossier_lichtkogel.pdf

2014 Van de Ven, F.H.M., J. Buma and T. Vos
Handreiking voor de uitvoering van een Stresstest Klimaatbestendigheid. Rijksoverheid / Deltaprogramma Nieuwbouw en herstructurering, https://docplayer.nl/4762044-Handreiking-voor-de-uitvoering-van-een-stresstest-klimaatbestendigheid.html

2015 Visschedijk, A. and F.H.M. van de Ven
Constraints facing the implementation of the Greater New Orleans Urban Water Plan. *Water Governance* 05-06/2014 E-ISSN 2211-0232, p63-67, http://resolver.tudelft.nl/uuid:77abf44e-4728-4056-a4ab-a52a852698db

2015 Voskamp, I.M. and F.H.M. van de Ven
Planning support system for climate adaptation: Composing effective sets of blue-green measures to reduce urban vulnerability to extreme weather events. *Building and Environment* 83, p 159-167. http://dx.doi.org/10.1016/j.buildenv.2014.07.018

2015 Albers, R.A.W., P.R. Bosch, B. Blocken, A.A.J.F. van den Dobbelsteen, L.W.A. van Hove, T.J.M. Spit, F. van de Ven, T. van Hooff, V. Rovers
Overview of challenges and achievements in the climate adaptation of cities and in the Climate Proof Cities program, *Building and Environment*, Vol. 83, p1-10, http://dx.doi.org/10.1016/j.buildenv.2014.09.006 .

2015 Boogaard, F.C., F. van de Ven, J.G. Langeveld, J. Kluck & N. van de Giesen
Removal efficiency of storm water treatment techniques: standardized full scale

laboratory testing, *Urban Water Journal*, https://doi.org/10.1080/1573062X.2015.1092562

2015 Bloemendal, M., T. Olsthoorn, F. van de Ven
Combining climatic and geo-hydrological preconditions as a method to determine world potential for aquifer thermal energy storage. *Science of the Total Environment* 538 621-633. http://dx.doi.org/10.1016/j.scitotenv.2015.07.084

2016 Hooimeijer, FL, Kuzniecow Bacchin, T, Van de Ven, F. et al.,
*Intelligent SUBsurface Quality; Intelligent use of subsurface infrastructure for surface quality. ,*Delft University of Technology,
http://resolver.tudelft.nl/uuid:6eff83a8-d0c6-438e-aa42-0dbd03835ac9

2016 Van de Ven, FHM, Bosch, P, Brolsma, R, Keijzer, E, Kok, S, Van der Meulen, S, Schasfoort, F, Ten Velden, C, and Vergroesen, T.
Green, comfortable, attractive and climate resilient Utrecht Centre-West area. Deltares report 1220357-000-BGS-0004, TNO report | TNO 2016 R10158, Deltares / TNO, Utrecht.

2016 Hooimeijer, FL, Kuzniecow Bacchin, T, Van de Ven, F. et al.,
*Intelligent SUBsurface Quality; Intelligent use of subsurface infrastructure for surface quality. ,*Delft University of Technology,
http://resolver.tudelft.nl/uuid:6eff83a8-d0c6-438e-aa42-0dbd03835ac9

2016 Boogaard, F.C., F. van de Ven, J.G. Langeveld, J. Kluck & N. van de Giesen, Removal efficiency of storm water treatment techniques: Standardized full scale laboratory testing, *Urban Water Journal*, 14(3) 255-262.
https://www.tandfonline.com/doi/full/10.1080/1573062X.2015.1092562

2016 Van de Ven, Frans H.M., Robbert P.H. Snep, Stijn Koole, Reinder Brolsma, Rutger van der Brugge, Joop Spijker, Toine Vergroesen
Adaptation Planning Support Toolbox: Measurable performance information based tools for co-creation of resilient, ecosystem-based urban plans with urban designers, decision-makers and stakeholders, *Environmental Science & Policy*,
http://dx.doi.org/10.1016/j.envsci.2016.06.010

2017 Solcerova, Anna, Frans van de Ven, Mengyu Wang, Michiel Rijsdijk, Nick van de Giesen
Do green roofs cool the air?,*Building and Environment* Volume 111, January 2017, Pages 249-255 http://dx.doi.org/10.1016/j.buildenv.2016.10.021

2018 McEvoy, S, Van de Ven, FHM, Blind, MW, Slinger JH,
Planning support tools and their effects in participatory urban adaptation workshops. *Journal of Environmental Management*, Volume 207, 1 February 2018, 319–333
https://doi.org/10.1016/j.jenvman.2017.10.041

2018 Solcerova, Anna; Emmerik, Tim van.; Ven, Frans van de; Selker, John; Giesen, Nick van de,
Skin Effect of Fresh Water Measured Using Distributed Temperature Sensing. *Water* 10, no. 2: 214. http://dx.doi.org/10.3390/w10020214

2018 Solcerova, A., van Emmerik, T., Hilgersom, K., van de Ven, FHM., van de Giesen, N. Uchimizu: A Cool(ing) Tradition to Locally Decrease Air Temperature. , [741]. ,*Water*, 741, 18p 10(6) https://doi.org/10.3390/w10060741

2019 McEvoy S., F.H M. van de Ven, R. Brolsma and J.H. Slinger, Evaluating a Planning Support System's Use and Effects in Urban Adaptation: An Exploratory Case Study from Berlin, Germany, *Sustainability* 2020, 12, 173 https://doi.org/10.3390/su12010173

2019 Solcerova A, FHM van de Ven, NC van de Giesen, Nighttime Cooling of an Urban Pond., *Front. Earth Sci*., 21 June 2019 https://doi.org/10.3389/feart.2019.0015

2019 McEvoy S, FHM Van de Ven, A Garces Santander, J Slinger, The influence of context on the use and added value of Planning Support Systems in workshops: An exploratory case study of climate adaptation planning in Guayaquil, Ecuador, *Computers, Environment and Urban Systems*. https://doi.org/10.1016/j.compenvurbsys.2019.101353

2020 van der Meulen, E. S., Sutton, N. B., van de Ven, F. H. M., van Oel, P. R., & Rijnaarts, H. H. M., Trends in Demand of Urban Surface Water Extractions and in Situ Use Functions, *Water Resources Management*, 34(15) https://doi.org/10.1007/s11269-020-02700-7 4943-4958

2020 Brolsma R., F. van de Ven, H. Pötz, R. Snep, A-M Hitipeuw, W. Klem, Nature Based Solutions in de stad. *Bodem* (2) April 2020, p 28-30

2020 Van de Ven, F. H. M., Hooimeijer, F. L., & Storm, P. Recovery Capacity: To Build Back Better, In: R. De Graaf-Van Dinther (Ed.), *Climate resilient urban areas Governance, design and development in coastal delta cities.* Palgrave MacMillan. https://doi.org/10.1007/978-3-030-57537-3_5 pp 85-108

2021 Van de Ven FHM, V Beumer, T Debuigne, K Azrague, F Cherqui, L Goldkuhl, C Strehl, M Trublet, A Meroufel, I Gervasio, *Opportunities for Hybrid Grey & Green Infrastructure in water management: Challenges and ways forward*, Water Europe, ISBN 9789464003086 32. https://watereurope.eu/wp-content/uploads/HGGI-Publication_online.pdf

2021 Chen S, Van de Ven FHM, Zevenbergen C, Verbeeck S, Ye Q, Zhang W and Wei L, Revisiting China's Sponge City planning approach: Lessons from a Case Study on Qinhuai District, Nanjing, *Frontiers Environ.Sci.*9:748231. https://doi.org/10.3389/fenvs.2021.748231

2021 Vollaers V., E. Nieuwenhuis, F. van de Ven, J. Langeveld, Root causes of failures in sustainable urban drainage systems (SUDS): an exploratory study in 11 municipalities in the Netherlands., *Blue-Green Systems* 2021; BGS2021002. https://doi.org/10.2166/bgs.2021.002

2022 Van der Meulen E.S., P.R. van Oel, H.H.M. Rijnaarts, N.B. Sutton, F.H.M. van de Ven, Suitability indices for assessing functional quality of urban surface water, *City and Environment Interactions*, Vol 13, https://doi.org/10.1016/j.cacint.2022.100079

2022 Haitsma Mulier MCG, FHM Van de Ven, P Kirshen, Quantification of the local water energy nutrient food nexus for three urban farms in Amsterdam & Boston, *Energy Nexus*, Volume 6, 2022, 100078 https://doi.org/10.1016/j.nexus.2022.100078

2022 Machairas, I., van de Ven, F.H.M. An urban drought categorization framework and the vulnerability of a lowland city to groundwater urban droughts. *Nat. Hazards*. https://doi.org/10.1007/s11069-022-05767-0

2022 Hooimeijer F.L., J.D. Bricker, A.J. Pel, A.D. Brand, F.H.M. Van de Ven, and A. Askarinejad, Multi- and interdisciplinary design of urban infrastructure development. *Urban Design and Planning*, Volume 175 Issue 4, November, 2022, pp. 153-168, https://doi.org/10.1680/jurdp.21.00019

2022 Haitsma Mulier MCG, FHM Van de Ven, P Kirshen, Circularity in the Urban Water-Energy-Nutrients-Food Nexus, *Energy Nexus*, 100081 https://doi.org/10.1016/j.nexus.2022.100081

2023 Van der Meulen ES, van de Ven FHM, van Oel PR, Rijnaarts HHM, Sutton NB. Improving suitability of urban canals and canalized rivers for transportation, thermal energy extraction and recreation in two European delta cities. *Ambio*. Jan;52(1):195-209. https://doi.org/10.1007/s13280-022-01759-3

2023 Xinxin Sui, Frans H.M. van de Ven, The influence of Low Impact Development (LID) on basin runoff in a half-urbanized catchment: A case study in San Antonio, Texas, Journal of Hydrology, Volume 616, 128793, https://doi.org/10.1016/j.jhydrol.2022.128793

2023 Van de Ven F.H.M., C. Zevenbergen, M. Avellar Montezuma, Z. Ding, W. Veerbeek, S. Chen, The Three-Points Sponge City approach; towards an enhanced multi-level resilience strategy. White paper presented at XVIII World Water Congress, Beijing

2024 Van der Meulen E. S. , A. Tertienko, A. N. Blauw, N. B. Sutton, F. H. M. van de Ven, H. H. M. Rijnaarts & P. R. van Oel A review of prediction models for *E. coli* in urban surface waters, *Urban Water Journal*, https://doi.org/10.1080/1573062X.2024.2313634

2024 Sugano K, Simo Lu, Hooimeijer FL, FHM van de Ven A collaborative hybridity design approach: enhancing urban water resilience and spatial legibility. J. of Urbanism. https://doi.org/10.1080/17549175.2024.2333528

2024 Van de Ven FHM, Zevenbergen C, Avellar Montezuma M, Ding Z, Veerbeek W and Chen S

The Three-Points Sponge Policy approach; toward an enhanced multi-level resilience strategy. *Front. Water*. 6:1361058. doi: 10.3389/frwa.2024.1361058, https://www.frontiersin.org/journals/water/articles/10.3389/frwa.2024.1361058/full

2024 Meng L-Y, Zhan Tian, Dong-Li Fan, FHM van de Ven, Laixiang Sun, Qing-Hua Ye, San-Xiang Sun, Jun-Guo Liu, L Nougues, D Rooze
A multi-objective optimization approach for harnessing rainwater in changing climate. *Advances in Climate Change Research.* https://doi.org/10.1016/j.accre.2024.08.006.

2024 Van de Ven FHM, Bakkes J, Qin Yi, Zhang Yongbo (eds)
Green Development and Climate Adaptation for Urban and Rural Areas. Special Policy Report, China Council for International Cooperation on Environment and Development. Green Development and Climate Adaptation for Urban and Rural Areas - CCICED