

## **CURRICULUM VITAE ROB ROGGEMA**

Name: Roggema  
Surnames: Robert Edwin (Rob)  
Titles: Dr. ir. (PhD. [TU Delft, Faculty of Architecture and Wageningen University and Research Centre, Earth System Science], MSc [Wageningen University and Research Centre, Landscape Architecture])  
Address: Mörfelden-Walldorfplein 251  
6706 LC Wageningen  
The Netherlands  
Telephone: +31 (0) 6 1534 9807  
E-mail: [rob@cittaideale.eu](mailto:rob@cittaideale.eu)  
Website: [www.cittaideale.eu](http://www.cittaideale.eu)  
Born: 20 October 1964, Leek, The Netherlands

### **SUMMARY/SHORT BIO**

Prof. dr. ir. Rob Roggema (1964), Landscape Architect, is an international renowned design-expert on sustainable urbanism, climate adaptation, renewable energy landscapes and the design of urban agriculture. He held positions at several universities in the Netherlands and Australia, State and Municipal governments and design consultancies. Per 1 January 2019 he is appointed as Professor Sustainable Spatial Transformations at Hanze University Groningen, the Netherlands. In 2010 he became the inaugural visiting fellow at the Victorian Centre for Climate Change Adaptation Research, in 2014 he was the Chair of the 6<sup>th</sup> International AESOP Conference on Sustainable Food Planning in Leeuwarden and in 2018 Chair of the 6<sup>th</sup> Smart and Sustainable Built Environment (SASBE) conference in Sydney. His PhD-thesis has been selected for publication in Springer's 'Recognising Outstanding Research'-series (2013). He is Global Distinguished Professor at KEIO University, Japan (2019), Lead Expert in the URBACT III program, expert for RESURBE, Editor-in-Chief of SABE-journal (Emerald Publishing), member of several Editorial Boards, Guest-Editorships and acts as external monitor for different Universities, processes and projects.

He developed the Swarm Planning concept, dealing with uncertainties in current planning, for which he received the scientific award for best paper at the Sustainable Building conference in Melbourne, 2008. In 2009, he was awarded with an honorary mention for his entry in the Rising Tides Competition, San Francisco Bay Area. In 2012 he was rewarded a 'Rubicon'-grant by the Dutch Scientific Organisation (NWO).

Amongst the design-concepts he developed are the following examples:

- Double Defence, proposing a second row of barrier island to protect the coast for storm surges in times of climate change;
- Floodable Eemdelta, anticipating sea level rise and potential disastrous flooding through allowing the landscape to flood;
- Bushfire Resilient Bendigo, anticipating bushfires by creating a protective shield and slowly moving away the town;
- Zero Fossil Groningen, designing a landscape that provides enough energy from renewable resources;
- FoodRoofRio, creating a rooftop garden with an aquaponic system, providing food for the whole family in Cantagalo favela in Rio de Janeiro;
- FishwaterbasedNL, proposing a design for the Netherlands based on a diet consisting of fish, vegetables and fruit;
- Shock Support, a plan for anticipating minor earthquake by making the houses independent from the shock transforming them into floatable houses in Groningen, the Netherlands.
- Sydney Barrier Reef, plan to create an artificial reef in front of the Sydney coast to provide a reef environment when the Great Barrier Reef doesn't survive through bleaching

He has written three books on climate adaptation and spatial planning (Climate Adaptation: A Spatial Challenge; Swarming Landscapes: The Art of Designing for Climate Adaptation and Swarm Planning: Development of a New Methodology Dealing with Climate Adaptation, all published by Springer), one about design charrettes (The Design Charrette: Ways to Envision Sustainable Futures, Springer), three on Urban Agriculture (Why We Need Small Cows, Ways to Design Urban Agriculture, VHL Press, 2014; Sustainable Urban Agriculture and Food Planning, Routledge, 2016 and Urban Agriculture in an Urbanizing Society, Vol. One, and Vol. Two with Cambridge Scholars Publishing, 2016), one on the Food Roofs of Rio de Janeiro (Springer, 2017) and one on The Tsunami and Fukushima Disaster, Designing for Reconstruction (Springer 2017). He is the editor of the Contemporary Urban Design Thinking book series (Springer), of which the first four volumes have been published since 2018. He has written over 25 journal articles and numerous conference papers and other articles.

He is the inventor of the FoodRoofRio concept, an aquaponic food system to help favela residents to grow their own food, of which the inaugural one has been realized in September 2014 in Cantagalo, Rio de Janeiro.

He has designed and led over 30 design charrettes in the Netherlands, Japan, Mongolia, China, Jordan, India, Australia and New Zealand, involving communities, academics, governments and industries in the design process. He has been asked to present his work in over 45 keynote presentations, nationally and internationally, and countless other presentations and lectures.

## EXAMPLES OF FUNDED PROJECTS

1. Synergy between Regional Planning and Exergy, EOS-LT program, Senter Novem. 1.5 million Euro. Lead author of proposal. (2006-2011). This research program focuses on the relation between spatial planning and the use of energy potentials and exergy principles as drivers for regional development. Five PhD's finalise their theses within this program. Current program management: TU Delft;
2. Hotspot Climate Proof Groningen, CCSP-program, 400K Euro. Lead author of proposal, chief investigator and project manager (2008-2009). This project focuses on the development of regional climate adaptation plans, developing of a spatial planning method for climate adaptation and innovative process approaches in involving stakeholders. Project is finalised;
3. Biochar, Interreg IV-B, 5 million Euro. Co-author of proposal and program manager (2009-2013). This European collaboration project focuses on the implementation of the use of Biochar in agricultural practice in different contexts, tests the results in practice and examines the barriers for implementation amongst end-users;
4. Climate Proof Design Eemsdelta, Knowledge for Climate program, Habiforum. 500K Euro. Lead author of proposal, chief investigator and program manager (2009-2011). This project focuses on the development of research for climate adaptation in the Eemsdelta region, being storm surge and coastal protection, ecological quality and development, use of local renewable energy potentials and new attractive and affordable housing;
5. Hotspot Peat Colonies, a region, which capture more GHG than it emits. CCSP-program. 500K Euro. Lead author of proposal, chief investigator and project manager (2010-2012). This project researches the combination of planning for Adaptation and Mitigation, researches and calculates the opportunities to capture more CO<sub>2</sub> than is emitted in the region and defines the basis for regular spatial plans of individual municipalities.
6. Design-led decision support for regional climate adaptation. VCCCAR research project. 500K AUD. Lead author of the proposal chief investigator and project manager (2011-2012). The project aims to develop in an innovative way climate adaptation plans for three pilot regions in Victoria, involving local stakeholders in the process and assessing the results of the design outcomes economically and environmentally.
7. Design-led institutional transformation for resilience to climate extremes (Natural Disaster Resilience (NDR)-grant). 250K AUD, 2012-2013. Co-author of proposal and shared chief investigator. Innovative design-led participatory visioning process is used to identify strategies and institutional changes necessary for adaptation to extreme weather events.
8. Rubicon-grant (NWO). 130K Euro. Lead author and Chief Investigator. "Modeling the benefits of Swarm Planning, a dynamic way of planning for future adaptation to climate change impacts", December 2012-November 2014. Further theoretical research to underpin the advantages of the Swarm Planning approach.

9. Visions 2050 (CRC-Low Carbon Living). 3 million AUD. Co-author of proposal and shared chief investigator. Visions and Pathways 2050. Scenarios, Visions and Pathways for a Low Carbon Built Environment. 2013-2016. Envisioning future low-carbon living and the required transformation towards that future.
10. Reborn Resilience, Design workshops Minamisoma and Kesenuma, Japan (AJF), 15.000 AUD, Funded by Australia-Japan Fund. Lead Author and Project/Delegate leader. 2013-2014. Reborn Resilience, anticipating climate disasters in urban environments, designing reconstruction plan for tsunami-hit towns of Minamisoma and Kesenuma.
11. CALL-ISS, Climate Adaptation in Living Labs – Integrated Spatial Strategies. Interreg IVa. 50K Euro. 2014-2015. Lead author and Chief Investigator. Collaboration between University of Oldenburg, Cittaideale, TCNN, ArsuGMBH, seven Municipalities in Groningen the Netherlands and five Kreise/Gemeinde in NordWest Germany.
12. FEW-NEXUS, Food-Energy-Water nexus and Sustainable Urban Development. SUGI-call. 3 million Euro 2018-2021. Lead Author of proposal. Collaboration to develop a ‘Moveable Nexus’ which travels across six biosphere regions: Michigan (University of Michigan), Qatar (Qatar University), Northern Ireland (Queens University Belfast), Amsterdam Region (Delft University of Technology), Tokyo (Keio University) and Sydney (UTS).
13. KIEM\_Foodscape Groningen. Spatial research into the design consequences of change to the ‘Lancet-diet’, in collaboration with local farmers, restaurants and caterers, the Dutch ‘Voedingscentrum’ (national agency for healthy food), and Metabolic
14. KIEM\_Loskade. Research into the circularity of building stock of developer/builder Van Wijnen, as well as the residents’ satisfaction with their circular house and public space. Together with Van Wijnen BV, BuildinG, Jeemz.
15. Toekomstbeeld Groningen (Toukomst). Developing a future vision for the province of Groningen based on the ideas and engagement of the Groningen citizens. Together with West 8, the National Program Groningen.
16. Making City, a H2020 project collaboration with 8 European cities, investigating the potential to create Positive Energy Districts in two Groningen neighborhoods. The technical, economic, juridical, sustainability/environmental and social aspects are investigated. Together with the Groningen University, Grunneger Power, TNO, Nijestee, Energy Valley and City of Groningen.
17. KIEM-Klimaatwijk Europapark. Spatial research of co-designing process developing a climate adaptive neighbourhood in Groningen, together with green designer specialists, the municipality of Groningen, process architects, and local community groups
18. KIEM-Voedselmuur (Foodwall), design research to develop a food producing aquaponic system on the Zernike campus, with architects designers, Hanze internal departments, and water and food specialists.
19. Design team climate Adaptation, designing a climate adaptive plan for the Reitdiepvalley in the northern part of the province of Groningen. To be exhibited during the Climate Adaptation Week.

## **AWARDS**

- Best theoretical paper, World Sustainable Building Conference, Melbourne, September 2008
- Honorary Mention, Rising Tides Design Competition, San Francisco Bay Area, BCDC, July 2009
- Recipient Rubicon grant, NWO, The Netherlands, 2012
- PhD thesis selected for the Springer Theses series, Recognizing Outstanding PhD-Research, 2013
- AiCARE Revolutionary Solution – Social Innovation for Agriculture of the future Award (nominated)

## **CONFERENCE CHAIR**

- Chair of the 5th Smart and Sustainable Built Environments (SASBE) Conference, Sydney, 4-7 December 2018

- Chair of the International AESOP conference Sustainable Food Planning 'Finding Spaces for Productive Cities', Leeuwarden, 5-7 November 2014

### **ACADEMIC COMMITTEES**

- Member Organisation Committee, EcoCities 2022 Rotterdam, the Netherlands
- Member Scientific Advisory Board, International Institute for Sustainable Mountain Development, Nepal
- Member Scientific Committee, 3<sup>rd</sup> conference on Agriculture and food in an urbanising society 17-21 September 2018, Porto Alegre, Brazil
- Member of the Board of DSL, Dutch Schools of Landscape Architecture (April 2014 - October 2015)
- Member of the International Scientific Committee of the Sustainable Building Conference 2013 (SB13), 15-16 October 2013, Cape Town, South Africa
- Member of the Organising Committee of the International Conference on Climate Change and the Himalayas: Current Status and Future Perspective (ICCCH). 3-5 December 2012, New Delhi, India
- Member of the Program Board of the Climate Change Spatial Planning-program, The Netherlands, 2008-2010

### **EDUCATION**

2008 – 2012

PhD - Delft University of Technology, Faculty of Architecture, Climate Design & Sustainability and Wageningen University and Research Centre, Earth Systems Science

- Swarm Planning: Development of a Planning Methodology to deal with Climate Adaptation

1984-1990

Master - Landscape architecture, Urban, Wageningen University and Research Centre

- Nijmegen na 1990, regionaal ontwerp uitbreidingsmogelijkheden Nijmegen en omgeving
- Ruimte en Vorm, theoretisch onderzoek stedelijke ruimte
- Urban design (TU Delft)

### **EXTERNAL MONITOR**

- Ajman Excellence program, Assessing governmental departments on Urban Planning, April 2017
- External/International reviewer phase 2, Master program Architecture and Master program Landscape Architecture Unitec University of Technology, Auckland, New Zealand, December 2014/January 2015
- External/International reviewer Master program Architecture and Master program Landscape Architecture Unitec University of Technology, Auckland, New Zealand, October 2013

### **ACADEMIC REVIEWER**

- Journals:
  - Urban Forestry and Urban Greening
  - European Planning Studies
  - Environment and Planning B
  - Climate

- Journal of Sustainable Development
- Future of Food Journal (also member of Editorial Board)
- Sustainability
- Landscape and Urban Planning
- International Planning Studies
- City, Territory and Architecture
- Journal for Environmental Sciences
- Journal of Environmental Protection
- Smart and Sustainable Built Environments (SASBE, also Editor in Chief)
- Architectural Science Review
- Mitigation and Adaptation Strategies for Global Change
- Greener Places – Policy document for a greener urban network in Sydney, Office of the State Government Architect of New South Wales. Review Date: April 2017
- Water and the Environment – The City as a Catchment. Foundation Paper, number Three. Commissioner for Environmental Sustainability Victoria. Review date: October 2012
- Resiliency strategies for aspirational African cities. Proposal to NRF & DST: global change, society and sustainability. University of Pretoria, School of the Built Environment. Review date: July 2011
- Hong Kong Research Grants Council, External Reviewer, 2018, 2019, 2020

## **ACADEMIC SUPERVISION**

### **PhD-SUPERVISION**

Mayra Nobre, TU Munich and Hanze University of Applied Sciences Transforming cities into self-carrying organisms, 2020-

Maarten Vieveen, Hanze University of Applied Sciences. 2019-2022. Cultural heritage, Sustainability and Renewable Energy generation.

Marjolein Overtoom, Hanze University of Applied Sciences. 2019-2021. Indoor climate, living preferences and architecture.

Fereshteh Moradi, UTS, Climate adaptation by redesigning cities as an integrated sustainable area (Design Study: Sydney and Mashhad cities). Start: August 2018

Thao Thu Luong, UTS, Resilience through identity: A new design framework for resilient design. Start: August 2017

Dimitra Dritsa, UTS, Towards a Data-Driven Urban Healthcare: Integrated meta-design systems for survival, adaptation and growth. Start: August 2017

Seyyed Mohammad Reza Khalilnezhad. University of Kaiserslautern. Urban agriculture as a tool for city and landscape planning in Iran. Start: 2014, completion 2018

Ernst Schaefer, University of Oldenburg, Germany (co-supervisor), Planung Anpassung an Klimawandel in Living Labs. Started: 2015. Expected completion: 2021

Ashutosh Saidawat, AcSIR CSIR-NISCAIR, New Delhi, India (Ass. Supervisor), completion 2017

Tushar Kaushik, AcSIR CSIR-NISCAIR, New Delhi, India (Ass. Supervisor), completion 2017

### **PhD-JURY – COMMITTEE MEMBER - EXAMINER**

Angelica Rojas Gracia, University of Melbourne, Transformative processes for architectural design: a heuristic study of regenerative practices. February 2021

Suzan Fitzgerald, UCL-Bartlett School of Architecture, London, Productive Urban Landscapes: Everyday Rhythms Surrounding Sites of Urban Agriculture in Havana, Cuba. April 2020

Andy Jenkins, Queens University Belfast, Northern Ireland (External Examiner), Building Integrated Technical Food Systems. December 2017

Dennis Williamson, Deakin University, Australia (International Review Committee Member), June 2017

Pieter Hertogs, VU Brussel, Department of Architectural Engineering, Enhancing the adaptable capacity of urban fragments (Member Doctorate Jury), November 2016

Wim Timmermans, Universidade Santiago de Compostela, Spain (Examination Committee), October 2013

### **MSc SUPERVISION**

Catalina Rey Hernandez, TU Delft, completion 2019. Title: Adaptation of Coastal Urban Landscape in Concepcion, Chile

Stewart Monti, UTS, completion 2018. Title: Designing an Ant-fragile Waterloo, Sydney

Darren Nel, Pretoria University, completion 2016. Title: Exploring a complex adaptive systems approach to the study of urban change.

Anne Lorène Vernay, Delft University of Technology, completion 2008. Title: Merging energy management and spatial planning. Case study: Delfzijl

Bouke Wiersma, University of Groningen, The Netherlands, completion August 2008. Title: Applying cradle-to-cradle on the regional scale: Spatial planning in the province of Groningen

Kasper Klap, Wageningen University and Research Centre, The Netherlands, completion September 2008. Title: Design climate adaptive Delfzijl

Hao Huiqin (Vera), Van Hall Larenstein, Wageningen University and Research centre, completion August 2010. Title: Spatial Planning for Climate Change Adaptation

Wang Xin (Jim), Van Hall Larenstein, Wageningen University and Research centre, completion August 2010. Title: Spatial Planning for Climate Change Adaptation

Li Xintong (Lavender), Van Hall Larenstein, Wageningen University and Research centre, completion August 2010. Title: Spatial Planning for Climate Change Adaptation

### **EXPERIENCE**

September 2021 –

**Professor Research by Design for Resilient Coastal Deltas and Polderlands**, Inholland University of Applied Sciences

April 2009 –

**Director CITTA IDEALE**, Office for Adaptive Design, Spatial Planning and Design Research

- Regional landscape-ecological vision and plan, the Green Veluwe, Regional consortium Voorthuizen,
- Landscape-ecology design ‘the Free Meuse’ (Vrije Maas), Private development group, Ammerzoden
- Nature-inclusive design, Tender Plot 4a, Sluisbuurt Amsterdam, consortium Kondor Wessels
- Lead Landscape design, Greening NEOM, Saudi Arabia, member of the Biotic Pump Greening Arabia Consortium
- Lead Natuurrijk Nederland ([www.natuurrijknederland.org](http://www.natuurrijknederland.org)); Naturerich Netherlands
- Coordinator Prachtig Productielandschap Texel (Attractive Productive Texel); Stimuleringsfonds Creatieve Industrie)
- Landscape designer Greening KSA, member of the Biotic Pump Greening Arabia Consortium.

- Design Islamic Cemetery, Arnhem
- Course leader Nature-Based Urbanism Delft university of Technology, Urban Ecology and Ecocities Lab
- Strategic planning and regional design Future of Dronten
- Advise the Dutch National Government, Council for the living environment and infrastructure (RLI) about the future of the Dutch Landscape 2070
- Design and development Smaakpark Ede (Edible Park)
- Masterplan Pilot Productive Landscape Maasmechelen, Vlaams Bouwmeester
- Reviewer Design Studio EVO DEVO, Master Architecture, open studio, Cornell University, Ithaca, US

March 2021-November 2023

**Lead Author UCCRN Assessment Report 3.3**

Chapter: Architecture, Urban Planning and Design - Urban Climate Change Research Network – ARC3.3

March 2021 - April 2024

**Visiting Professor Landscape Urbanism**, Queens University Belfast, NI

June 2020-December 2021

**Distinguished Visiting Professor**, Western Sydney University, Parramatta, Australia

January 2019 – April 2021

**Professor of Sustainable Spatial Transformations**, Hanze University, Groningen

- Guest Editor for Urban Planning's special issue 'Design with Flows'
- Guest Editor for SASBE special issue Design and plan for smart and sustainable built environments
- Guest Editor for SASBE special issue Technical innovations in smart and sustainable built environments
- Foodscape Groningen
- Research-programming and -collaboration Loskade
- Toukomst, Toekomstbeeld Groningen
- Making City (H2020)
- Crossing Borders – Grensmaas (NWO)
- Aquaponic FoodWall
- Climate precinct Europapark
- Design for Moeder Zernike, Climate Adaptation Week

October 2018 – March 2019

**Distinguished Global Professor**, KEIO University, Tokyo, Japan

August 2018 –

**Member Editorial Board, LivaS**, International Journal for Livable Space, Trivakta University Indonesia

April 2017 -

**Series Editor, Contemporary Urban Design Thinking**, Springer

Volume 1: The Australian Approach, 2018

Volume 2: Nature Based Urbanism, 2019

Volume 3: Designing Sustainable Cities, 2020

Volume 4: TransFEWmation, design led Food-energy-water nexus, 2021

Volume 5: Design for Regeneration, 2022

January 2017 – January 2020

**Editor in Chief, Smart and Sustainable Environment**, Emerald Publishing

December 2016 – January 2019

**Professor of Sustainable Urban Environments**, Faculty of Design, Architecture and Building, University of Technology Sydney

- Leader Urban Research Network
- Masters of Architecture, Design Studio GO WEST! M Arch studio on the urbanisation of the 3<sup>rd</sup> City, Autumn 2017 (March-June)
- Masters of Architecture, Design Studio GO SOUTHWEST! M Arch studio on landscape-based urbanism for the 3<sup>rd</sup> city, Spring 2017 (August-Nov)
- Masters of Architecture, Design Studio GO BALLS! M Arch studio on environmental flows and urbanisation, in collaboration with MVRDV (Winy Maas), The Why Factory/TU Delft, Autumn 2018 (March-June)
- Elective Zero Carbon Sydney, May 2017
- Elective Badgerys urbanism, July 2017
- Elective Smart and Sustainable water and mobility solutions for Sydney City Centre, in collaboration with the Advanced Metropolitan Solutions Institute (Prof. Arjan van Timmeren) and TU Delft, Urbanism, February 2018. Student evaluation Survey: 4.40 out of 5)
- Chair 5<sup>th</sup> International Conference Smart and Sustainable Built Environments, Sydney, 5-7 December 2017
- PI Food Water Energy Nexus – The Mobile Nexus, SUGI-call, 2018-2020
- PI Design-led Adaptation of Urban Ecology for urban communities
- PI Smart Cities and Suburbs
- Member of the Task Force Built Environment Smart Cities Council Australia New Zealand (SCCANZ)
- Member R&D Board Association Smart Communities Australia (ASCA)
- Member Task Force Smart Cities, Committee for Sydney
- Research Committee, Faculty of DAB
- Editor Contemporary Urban Design Thinking book series, Springer
- Editor-in-Chief, SASBE journal
- Guest Editor for Sustainability's Special Issue 'Design (be)fore Disaster'

July 2015 -

**Expert in RESURBE** network

Working group Participatory Processes and Co-design. Expert in the RESURBE program: <http://www.unescosost.org/en/project/resurbe/>, concerned with increasing the resilience of cities around the world

May 2015 -

**Lead expert for URBACT-III projects**

Support consortia in developing and conducting their collaborative projects in improving cities to develop pragmatic solutions that are new and sustainable and that integrate economic, social and environmental urban topics.

September 2013 – October 2015

**Professor of Design for Urban Agriculture**, Van Hall Larenstein University, Department of Landscape Architecture

- Development, Design and Realisation FoodRoof Rio de Janeiro
- Chair of the 6<sup>th</sup> International Conference on Sustainable Food Planning, Leeuwarden
- Set up of research agenda and program
- Workshop in Binder Soum, developing strategic tourism plan in participatory process

September 2013 – December 2017

**Adjunct Professor Swinburne University of Technology**, Centre for Design Innovation

- Rubicon research: Modeling the benefits of Swarm Planning, a dynamic way of planning for future adaptation to climate change impacts
- Design Charrette in Minamisoma region, Japan for development of reconstruction landscape plan in participatory design process
- Design Charrette in Kesenuma, Japan for development of reconstruction coastal zone plan in participatory design process

November 2012 – August 2013

**Senior Research Fellow**, The Swinburne Institute for Social Research, Swinburne University of Technology

- Rubicon research: Modeling the benefits of Swarm Planning, a dynamic way of planning for future adaptation to climate change impacts
- Scoping study sustainability assessment tools at precinct level, CRC Low Carbon Living
- Visions 2050, developing visions for low carbon living in four cities in Australia, CRC Low Carbon Living
- External Reviewer, Studio Mess 3: >fit< for Resilience, Creswick 2042, faculty of Architecture Building and Planning, School of Design, University of Melbourne, November 2012

May 2011 – October 2012

**Senior Research Fellow**, Centre for Design, RMIT University, Melbourne

- Lead investigator and project manager “Design-led decision support for regional climate adaptation” (VCCCAR-research grant)
- Leader of the Design Studio ‘KINDLE’ - design of bushfire resilient landscapes. Second semester 2011. Lower pool Landscape Architecture, School of Architecture and Design, RMIT (Evaluation Score: 88,6%; Satisfaction score 100%)
- Leader of the Design Studio ‘SWELL’ – Designing surge resilient landscapes. Second semester 2012. Lower pool Landscape Architecture, School of Architecture and Design, RMIT

- External Reviewer Design Studio Landscape design, Faculty of Architecture, University of Melbourne, May 2011

September 2010 – April 2011

**Honorary Visiting Research Fellow**, VCCCAR, Melbourne

- Climate adaptation and spatial planning, comparative review of practice in Victoria and the Netherlands
- Knowledge exchange between Victorian and Dutch Institutions (State Government, Local Councils and Universities)
- External Critic, Design Studio Landscape Architecture “FLOAT. Designing with the dynamics of extreme water events”; RMIT University, April 2011
- Dissemination of knowledge and experience through seminars and presentations
- Provide several VCCCAR affiliated scientific papers and book chapters

March 2003 – January 2011

**Manager Strategy and Regional Planning**, Program Manager Climate Adaptation and Regional Planning

Province of Groningen, Unit Environmental and Spatial policy

- Project manager, prime fund generator and chief investigator, Hotspot climate & energy proof regional design for the province of Groningen, in the Climate Changes Spatial Planning program, Consortium of Dutch Universities (Wageningen and Amsterdam) and National Government; € 400K
- Project manager, prime fund generator and chief investigator, ‘Peat Colonies, the region that captures CO<sub>2</sub> instead of emitting it’, Hotspot project in the Climate Changes Spatial Planning program, Consortium of Dutch Universities (Wageningen and Amsterdam) and National Government € 500K
- Project manager and prime fund generator ‘Climate proof Eemsdelta’, ARK impulse project Ministry of Spatial Affairs and Knowledge for Climate Research Program, Consortium of Dutch Universities (Utrecht and Wageningen) and National Government. € 500K
- Co-leader, BIOCHAR, Interreg IV-B project, EU-funded research project on the implementation of Biochar in agricultural practice, collaboration between seven North Sea countries. € 5 million
- Prime fund generator and lead author, research proposal S-REX (Senter Novem, EOS long term program), Exergy and Regional Spatial Planning, € 1.5 million. Groningen, Delft, Wageningen, the Netherlands
- Member of the Program Board of the Climate Change Spatial Planning-program, The Netherlands
- Member of the core-team of the interprovincial organisation on adaptation climate change and spatial affairs, Utrecht, The Netherlands
- Advisor & Investigator, Hotspot Wadden Sea, Knowledge for Climate Research Program (KvK), Consortium of Dutch Universities (Utrecht and Wageningen) and National Government, the Netherlands Government
- Chair Spatial Design Team, Grounds for Change; Dutch entry in Global Competition on ‘Bridging Regional Spatial Design Strategies With Sustainable Energy Planning’, International Gas Union (IGU), Three Northern Provinces and Gasunie, The Netherlands. International collaboration in Bridging to the Future-project with Vancouver, Canada; Shanghai, China; Doha India
- Project Leader, Provincial Regional Plan I and II (Integrating Spatial Structure Plan, Water Management Plan, Traffic and Transport Plan and Environmental Plan), Chair, project team Provincial Regional Plan, until September 2005) and Co-manager, Regional Plan III (Structure Vision), Province of Groningen, The Netherlands
- Program manager and delegation leader INCREASE I and II (International Conference on Renewable Energy Approaches and the Spatial Environment). International conference series

on sustainable energy and spatial planning. Participants: Canada, Jordan, Russia, Germany, China and The Netherlands. Amman, Jordan and Beijing/Shanghai, China

- Project manager, Rising energy prices and the effects on behavioural estate values and population migration (cooperation with MGIMO, University of Moscow), Groningen/Moscow, The Netherlands/Russia
- Member CPSL-3, Trilateral working group on Coastal Protection and Sea Level Rise, Wadden sea secretary, Bremerhafen, Germany
- Advisor, National Committee for landscape research on large wind turbines (Ministry of Spatial Affairs, Housing and the Environment (VROM), The Hague, The Netherlands
- Strategy-development, Province of Groningen, The Netherlands
- Advisor, East Side Central Square, Groningen, The Netherlands

January 2000- February 2003

**Project manager** Municipality of Almere

Department of Urban development, office of project management, project manager Almere Poort

- Chairman planning team Almere Poort
- Integrated advisory Municipality Council
- Manager cluster Poort (9 people)
- Chairman diverse integral project teams (working locations, central area, station)
- Principal development plans and designs, including financial matters
- Principal departments and offices within the municipality and external advisors
- Control of planning and budget
- Steering internal and external communication

From January 2002, Cabinet, office of Authority advise and policy co-ordination

- Project leader Investment vision, -program and -strategy Almere concerning further growth and authority consensus between national, regional and local authorities
- Project leader City vision Almere, integrated vision of the Municipality Council concerning the future of Almere

June 1996 – December 1999

**Projectleader** Sustainable Urban Development and manager Cluster Sustainable Design. BRO, Consultancy for spatial affairs,

- Member design team and project teams Houten Vinex (Municipality of Houten)
- Location alternatives Stadsblokken-Meinerswijk Arnhem (Central Planning Agency, ministry VROM)
- Structure-plan Hilversum-Oost (Municipality of Hilversum)
- Design working area De Trompet (Municipality of Heemskerk)
- Urban design Oortjensveld III (Municipality of Roerdalen)
- Structure-plan Océ-area (Municipality of Venlo)
- Urban design Berkelse Poort (Municipality of Berkel en Rodenrijs)
- Corridor-study Tilburg Gilze-Rijen logistic-industrial working area (Joint Venture Central Brabant)
- Vision sustainable development EPZ-area (energy plant, municipality of Haelen)
- Authority Bandwidth and member design team Blokhoeve (Municipality of Nieuwegein)

- Water management and design the Vliert (Municipality of Den Bosch)
- Three Sustainable city-concepts: Multiple Layer City, Light City and Empty City
- Environmental Impulse Drehtsteden (Office of environmental affairs Southern part of the province of South-Holland)
- Design of the Empty-city concept, Hoge Vucht, Breda (Bredrecht, Alterra)
- National package Sustainable building (municipalities of Houten and IJsselstein)

May 1995 - June 1996

**Advisor and project leader Environment and Spatial Planning.** Municipality of Rotterdam, Engineering office for the environment

- Project leader Costs and benefits of sustainable extension plans (Association of Dutch Municipalities, VNG)
- Environmental input planning process Nesselande, Municipality of Rotterdam
- Environmental design in IJburg-plan, Municipality of Amsterdam

December 1991 – April 1995

**Spatial planner and advisor integrated environmental policy.** Municipality of Breda, Department of environmental affairs

- Project leader Sustainable City development
- External integration environmental policy in spatial planning (Westerpark, Chasséterrein, Breda-NO, Heilaar-Steenakker)
- Co-operative design Westerpark
- Projectleader Regional Ecological Model
- Member DOSS-advisory group (ministry VROM), working group Eco-region, working group Urban environments

September 1990 – November 1991

Province of Noord-Brabant, office design and management urban areas, alternative military duty

- Development regional images Urban regions
- Analysis and functional images of central nodes in Urban regions

June - August 1990

Province of Noord-Brabant, office design and management urban areas, traineeship

- Inventory Urban Regions

April - June 1989

Metropolis, Consultancy in Urban Planning, Rotterdam, traineeship

July - August 1988

Bureau Bügel Dubbeling and partners, Urban planning consultancy, Groningen

## **MEDIA APPEARANCES**

## INTERVIEWS in WRITTEN MEDIA

Jelle Brandsma, Zo ziet Nederland eruit met meer natuur. Trouw, 10 juli 2021. URL: <https://www.trouw.nl/duurzaamheid-natuur/zo-kan-nederland-eruitzien-met-meer-natuur~bb7874f0/>

Duurzaamheidstransitie: het onzekere voor het zekere nemen! SPRYG Real Estate Academy, Groningen Assen Vastgoed 2021, 1 April 2021.

[https://spryg.com/nl/events/groningenassen/achtergrond/duurzaamheidstransitie-het-onzekere-voor-het-zekere-nemen/impressie?utm\\_source=flexmail&utm\\_medium=e-mail&utm\\_campaign=nieuwsbriefjanuari2021nl&utm\\_content=200907coronaampvastgoednl2020terugbl\\_ikjpg#2](https://spryg.com/nl/events/groningenassen/achtergrond/duurzaamheidstransitie-het-onzekere-voor-het-zekere-nemen/impressie?utm_source=flexmail&utm_medium=e-mail&utm_campaign=nieuwsbriefjanuari2021nl&utm_content=200907coronaampvastgoednl2020terugbl_ikjpg#2)

Als de Waddenzee zo waardevol is maak hem dan drie keer zo groot. Friesch Dagblad, 3 February 2021. <https://frieschdagblad.nl/2021/2/3/verkiezingen-als-de-waddenzee-zo-waardevol-is-maak-hem-dan-drie-keer-zo-groot>

Merel Melief. Durf groots te denken. 22 July 2020. Noorderbreedte. URL: <https://www.noorderbreedte.nl/2020/07/22/oproep-voor-een-vrije-toekomst/>

Doloresz Katanich The world's largest rooftop garden has just opened in Paris. Euronews. 29 juni 2020 <https://www.euronews.com/living/2020/06/28/the-world-s-largest-rooftop-garden-has-just-opened-in-paris>

Vollegrondsgroenteteelt 3(5)18-19. De Potato Valley versterkt pootaardappelketen, april 2020

Financial Express 14 February 2020. ClimFishCon 2020: Wetlands in focus at International Conference on Impact of Climate Change on Hydrological Ecosystem and Fisheries

Dagblad van het Noorden, Gert van Hofslot. Willen jullie dat het hier net zo wordt als in de Randstad? 28 September 2019

Duurzaam gebouwd. Ysbrand Visser. De stad zou moeten werken als een soort schoonmaakmachine. 7 October 2019. <https://www.duurzaamgebouwd.nl/artikel/20191007-de-stad-zou-moeten-werken-als-een-soort-schoonmaakmachine>

NRC. Wat als? De zeespiegel 10 meter stijgt. Published: October 2018

Inspire, IPWEA, Chelsea Wallis. Against the Tide. Published: August 2018

The Sun-Herald, Nigel Gladstone. Population reaches 25m in record time. Published: 15 July 2018.

Curtis-e-Call. Curtis Associates. The Sydney Metro. A bonanza for Sydney residential and commercial property buyers or not? Published 19 February 2018. <https://www.curtisassociates.com.au/articles/the-sydney-metro/>

Liberty One Steel. Our cities need blue sky thinking. Published: 5 December 2017 <https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Flibertyonesteel.com%2Fsustainability%2Four-cities-need-blue-sky-thinking%2F&data=02%7C01%7C%7Cf1b8a62c1fff432ff68608d53baf1d1b%7C84df9e7fe9f640afb435aAAAAAAAAAA%7C1%7C0%7C636480545671844065&sdata=Cd3ULxxBG7r9wdekMkD5vUyEj512HRhJo9AKTDduG2E%3D&reserved=0>

CNET: Claire Reilly. Can a man-made Great Barrier Reef save the real one? Scientists hope building an artificial reef could help save the real one. Published: 20 October 2017. <https://www.cnet.com/au/news/saving-great-barrier-reef-simulated-oceans-and-3d-coral/>

Daily Telegraph: Ian Paterson; Great Barrier Reef in Sydney could actually become a thing as academic floats workable plan. Published: 14 June 2017

One News.com

Courier Mail Brisbane

Schoonmaakhulp voor de baai van Rio. Is Guanabara op tijd klaar voor de Olympische Spelen? Kennislink, 26 Maart 2015

Stadslandbouw als nieuwe ruimtelijke opgave. In: Tuin en Landschap 37 (7) 20-21, 26 Maart 2015

Onzichtbare druppel op een gloeiende plaat. In: Cashew Stadstuinieren 3 (1) 50-53

Verse groente van eigen dak. Trouw. 7 November 2014

Design na Praça - Ontwerpen op het plein. Denken, doen en debatteren over design met afval. Nieuwsbericht Nederlands Consulaat-Generaal in Rio de Janeiro, Brazilië. 6 November 2014. URL: <http://riodejaneiro.nlconsulaat.org/nieuws/2014/11/design-na-praca.html>

De waarde van stadslandbouw. Dagblad van het Noorden, 5 November 2014

De waarde van stadslandbouw. Leeuwarder Courant, 5 November 2014

Grote conferentie in Leeuwarden over stadslandbouw. NOM, 5 November 2014. <http://www.nom.nl/nieuws/grote-conferentie-leeuwarden-stadslandbouw/>

AESOP Sustainable Food Planning Conference. Noorden Duurzaam, 4 November 2014. <http://www.noordenduurzaam.nl/141106-aesop-sustainable-food-planning-conference>

AESOP Sustainable Food Planning Conference. DuurzaamnieuwsNL, 2 November 2014. <http://www.duurzaamnieuws.nl/aesop-sustainable-food-planning-conference/>

Potmarge wellicht plaats voor stadslandbouw. Frysk Dagblad, 24 October 2014

AESOP-conferentie, over de leefbaarheid van onze steden in de toekomst. ROMagazine, 9 October 2014. <http://romagazine.nl/events/event/aesop-conferentie-de-leefbaarheid-van-onze-steden-de-toekomst>

Het dak op tegen ondervoeding. One World, 13 October 2014. <http://www.oneworld.nl/food/het-dak-op-tegen-ondervoeding>

Velp brengt favela verse groente. In: De Gelderlander, 3 Oktober 2014

Daktuin in favela met mest van vis. In: De Gelderlander, 2 August 2014

Nederlandse daktuin zorgt voor voedsel in favela's. In: Reformatorisch Dagblad, 22 Juli 2014

Swarm Planning, In: B-news, 1 October 2012

Rubiconbeurs voor klimaatplanning. In: Delta, 4 juli 2012

Clearing not the answer. In: National Rural News, 20 March 2012

Resilience in urban design, International urban design conference. In: Landscape Architecture Australia, 133, February 2012

Keep it positive! In: The Warrnambool Standard, 8 June 2011

Making water our ally, <http://www.climatespectator.com.au/commentary/making-water-our-ally>

La Nina unleashes her fury on sunburnt country. In: Canberra Times, 12 February 2011

What's causing Australia's 'super floods'? In: The Age, 11 February 2011

[www.theage.com.au/environment/weather/whats-causing-australias-super-floods-20110211-1aozb.html](http://www.theage.com.au/environment/weather/whats-causing-australias-super-floods-20110211-1aozb.html)

After the clean up. In: BMAG, 24 January 2011

VIC: Floods isolate thousands in Victoria. In: AAP Newswire, 21 January 2011

Floods isolate thousands in Victoria, 21 January, In: APA Azeri Press Agency, Baku, [www.en.apa.az](http://www.en.apa.az)

Floods isolate thousands in Victoria. In: Otago Daily Times, [www.odt.co.nz](http://www.odt.co.nz) and 16 other websites

The price of being Australian. In: Sunday Star Times, 16 January 2011

Torrent causes. In: Oman Observer, 16 January 2011, <http://main.omanobserver.om/node/37109>. And 31 other websites including Nanaimo Daily News (Canada), Zougla Online (Greece), Romandie News (France), Taranakie Daily News Online (NZ)

Les dommages a Brisbane aggraves par une urbanization galopante, [www.romandie.com/infos/news2/110114071736.18j3jxsn.asp](http://www.romandie.com/infos/news2/110114071736.18j3jxsn.asp)

Learn from overseas models, urge experts. In: The Courier Mail, 15 January 2011

As water Recedes, questions arise. In: The Morning Bulletin, 15 January 2011

Better planning, building design vital to avoid disaster. In: Border mail, 15 January 2011

Questions rise as water recede. In: Shepparton News, 15 January 2011

The price of being Australian. In: The Sydney Morning Herald, 15 January 2011

Brisbane flood clean-up starts as damage emerges, 15 January 2011, [www.terradaily.com/reports/Brisbane\\_flood\\_clean-up\\_starts\\_as\\_damage\\_emerges\\_999.html](http://www.terradaily.com/reports/Brisbane_flood_clean-up_starts_as_damage_emerges_999.html)

As water recedes, questions rise, 14 January 2011  
[http://bigpondnews.com/articles/AustralianFloodsCrisis/2011/01/14/As\\_water\\_recedes\\_questions\\_rise\\_564251.html](http://bigpondnews.com/articles/AustralianFloodsCrisis/2011/01/14/As_water_recedes_questions_rise_564251.html)

Where to build in a climate of uncertainty. In: Australian Financial review, 14 January 2011

QLD: As water recedes, questions rise. In: AAP Newswire, 14 January 2011

Urban sprawl aided Aussie torrent: experts. In: AFP, 14 January 2011

Wild weather ahead: A land of droughts and flooding rains, [www.sail-world.com](http://www.sail-world.com), 13 January 2011

Wetenschap meets samenleving. In: flux, Magazine Rathenau Instituut. Dossier: Crisis in de Wetenschap? Januari 2011

Rising Tides – Die Bucht von San Francisco im Jahr 2100. In: Bauwelt 30 2009

Nieuwe Wadden, de kracht van een omgevingsplan, In: Change magazine, december 2007

Groningen wil klimaatbestendig worden. In: Binnenlands bestuur week 13, maart 2007

Ruimte voor duurzame energie in Noord-Nederland. In: Klimaatmagazine, September 2006

Hoe het water te keren In: Dagblad van het Noorden. November 2006

Het nieuwe bouwen: hightech natuur in de stad. In: Intermediair, 22 November 2001

Almere Poort. In: Building Business Report nr. 1, February 2001

## **RADIO**

Radio: 18 April 2019: 2SER Sydney, Razors Edge. Possible benefits of the Westconnex.  
<https://2ser.com/82562-2/>

Radio: 25 July 2018; ABC Radio Sydney. 10-11am. Cassie McCullagh. Dealing with cyclones moving south, preparing our cities and the Sydney Barrier Reef.  
<http://www.abc.net.au/radio/sydney/programs/focus/focus/10011192> starts after 38.00

Radio: 16 July 2018; BZE Radio, Radio 3CR. 5-6pm. Climate Adaptation, flooding and urban food production in Dhaka, Bangladesh.  
[http://podcast.bze.org.au/storage/monday/mp3/180716\\_community.mp3](http://podcast.bze.org.au/storage/monday/mp3/180716_community.mp3)

Radio: 19 December 2017. ABC Sydney Breakfast Show, 6.20am. on Zero-Carbon Sydney.

Radio: 3 November 2017: BZE Radio. On design for density and flooding. <http://bze.org.au/bangladesh/>

Radio: 20 September 2017; 2SER, Drive. 4.45pm. Design cities for disasters. <http://2ser.com/natural-disasters-around-world/>

Radio: 9 September 2017; ABC Radio National. 10.05am. Blueprint for Living. Design cities for hurricanes.  
[www.abc.net.au/radionational/programs/blueprintforliving/rethinking-coastal-design/8872450](http://www.abc.net.au/radionational/programs/blueprintforliving/rethinking-coastal-design/8872450)

Radio: 31 July 2017; BZE Radio, Radio 3CR. 5-6pm. Sustainable urbanism and sea level rise.  
[http://podcast.bze.org.au/storage/monday/mp3/170731\\_community.mp3](http://podcast.bze.org.au/storage/monday/mp3/170731_community.mp3)

Radio: 22 July 2017; SBS-Dutch. 11.20-12.00 Sustainable urbanism.  
<http://www.sbs.com.au/yourlanguage/dutch/en/content/part-1-rob-roggema-better-use-our-cities> (part 1),  
[http://www.sbs.com.au/yourlanguage/dutch/en/content/part-2-rob-roggema-looking-ahead?cx\\_navSource=related-side-cx#cxrecs\\_s](http://www.sbs.com.au/yourlanguage/dutch/en/content/part-2-rob-roggema-looking-ahead?cx_navSource=related-side-cx#cxrecs_s) (part 2) and  
[http://www.sbs.com.au/yourlanguage/dutch/en/content/part-3-rob-roggema-big-changes-coming-our-way?cx\\_navSource=related-side-cx#cxrecs\\_s](http://www.sbs.com.au/yourlanguage/dutch/en/content/part-3-rob-roggema-big-changes-coming-our-way?cx_navSource=related-side-cx#cxrecs_s) (part 3)

Radio: 19 June 2017; 2SER The DAILY. 11.15am. Sydney Barrier Reef

Radio: 31 May 2017; 4KQ Breakfast Show Brisbane; 6.30am, Sydney Barrier Reef

Radio: 16 May 2017; The WIRE, 2SER, Artificial Sydney Barrier Reef

Radio: 3 April 2017; 11.45 2SER, Urban design for Cyclones

Radio: 30 March 2017; 11.45, 2SER, Urban design for cyclones.  
<http://www.2ser.com/component/k2/item/28130-cyclones-proofing-cities>

Radio: 29 March 2017; 8.05, ABC WA, Urban Design for cyclones

Radio: 29 March 2017; 5.50pm. ABC Newsradio, Urban design for cyclones

Radio: 9 November 2014; 11.05 am. Buro de Vries, Omrop Fryslan, <http://www.omropfryslan.nl/utstjoering/buro-de-vries-fan-9-novimber-2014-1100>

Radio: 7 June 2011 – 4.05 pm ABC South West Victoria, Statewide Drive, Kathy Bedford

Radio: 7 February 2011 – 5.30 pm ABC Radio National, PM, Alison Coldwell

Radio: 26 January 2011 – 7.15 am ABC Hobart statewide, Ryk Goddard

Radio: 25 January 2011 – 9.05 am ABC South East SA, Stan Thomson

Radio: 24 January 2011 – 9.20 am Radio Adelaide, Catherine Zengerer

Radio: 24 January 2011 – 11.25 am ABC Radio National, Melbourne, Bush Telegraph, Michael Cathcart  
[http://mpegmedia.abc.net.au/rn/podcast/2011/01/bth\\_20110124\\_1138.mp3](http://mpegmedia.abc.net.au/rn/podcast/2011/01/bth_20110124_1138.mp3)

Radio: 24 January 2011 – 18.20 am ABC Radio National, Canberra, Australia Talks, panel discussion, Paul Barclay, [http://mpegmedia.abc.net.au/rn/podcast/2011/01/ats\\_20110124.mp3](http://mpegmedia.abc.net.au/rn/podcast/2011/01/ats_20110124.mp3)

Radio: 21 January 2011 – 9am ABC Goulburn-Murray, Joseph Thomsen

## TELEVISION

TV: ABC Breakfast Show. On the Sydney Barrier Reef, 7.20am. 20 May 2017

TV: ABC Breakfast Show. On Urban design for cyclones, 8.20am 2 April 2017

TV: TV Drenthe-news, Hotspot Veenkoloniën, the project explained, 24 Juni 2010

TV: National Geographic, Green Dream, item on Biochar as a way to capture Carbon (2010)

TV: National Geographic, Green Dream, item on Design Coastal Defences under threat of Climate Change (2009)

## EXAMPLES of KEYNOTES, LECTURES and PRESENTATIONS

### KEYNOTES

A quadruple balancing act. Ecocities Conference, Rotterdam, 24 February 2022

Het ontwerpen van de nieuwe werkelijkheid. Toekomstbestendige stad. Inholland University of Applied Sciences, Haarlem, 9 November 2021

Nature driven by design. Towards regenerative cities and landscapes. International landscape architects symposium. Beijing Forestry University, 30 October 2021

Landscape at heart: resilience and adaptation by design. Resilient and Responsible Architecture and Urbanism, Video Conference, IEREK, Alexandria, Egypt, 14 November 2020

Stad van de Toekomst, Herfstcollege gemeente Wageningen. Junushof, Wageningen, 3 september 2020

Het Landschaps-Stadslandschap. Architectuur Lokaal. Gertrudiskapel, Utrecht, 13 februari 2020

Embracing the Water: Design-led Ways to Deal with Change. ClimFishCon2020: International Conference on Impact of Climate Change on Hydrological Cycle, Ecosystem, Fisheries and Food Security. Cochin, India, 12 February 2020.

A fish called Synergy. ClimFishCon2020: International Conference on Impact of Climate Change on Hydrological Cycle, Ecosystem, Fisheries and Food Security. Cochin, India, 12 February 2020.

Gratis wonen voor iedereen! De Bouwvereniging, Harlingen, 4 februari 2020

Oldambt: Vicious of Virtuuous? Symposium Het Oldambt in de Toekomst, Loc Loods 1877, Bad Nieuweschans, 29 November 2019

De zilte zoetheid van het Noord-Nederlandse landschap. The Potatoe Valley – Kennisbijeenkomst. Proefboerderij de Kollumerwaard, Munnekezijl. 28 November 2019

ReciproCity: The future of sustainable urbanism. Detmolder Schule für Architektur und Innenarchitektur, Detmold, 19 November 2019

The ReciproCity, Giving more than taking. Inaugural lecture. Hanze University of Applied Sciences, 9 October 2019

Eine Region, auf die man stolz sein kann! Design und Spaß für die Zukunft. 1. Lausitz-Konferenz: Strukturwandel und Energiewende. Schwarze Pumpe, Spremberg, 10 September 2019

Sustainable Urban Future: Counterintuitive, Participative, Adaptive. Seminar climate change, urban environment, healthy living. Chinese University Hong Kong, 13 April 2019.

Sustainable urban futures: a smart transformation. Smart Cities Conference. Ansal University, Gurgaon, India. 7-8 March 2019

Resilient design for better Cities. Environmental Efficiency for Better Lives-IEREK conference, Cairo, 13-15 December 2018

Rehabilitation of emptiness, revaluing the void. Architecture Society Lecture. Belfast: Queens University Belfast, 9 October 2018

A-void-ing the deadlock: Make space for the future. Meet the Energy Leader. Delft: Delft University of Technology, 3 October 2018

Een kijkje in de tegenwoordige tijd van de toekomst. Artphy, Onstwedde, 23 August 2018

Urban Resilience: Design with Redundancy. Roads Australia and International Road Federation Asia and Australasia Conference, Sydney, 31 May 2018

Creating Resilient Communities: Engagement through Design, Sustainability in Public Works Conference, IPWEA, Sydney, 14 May 2018

Can we create a zero-carbon society? Earth Hour, Observatory Sydney, 24 March 2018  
<https://maas.museum/event/earth-hour-at-sydney-observatory-2/>

GO WEST! Building the Third City. Sydney Build – Future Sydney Summit, Sydney, 15 March 2018

The Counterintuitive City: A tale of three cities, Cleveringa Lecture, Sydney, 16 November 2017

Best Urban Renewal Practices in Sydney, Policymaking and Implementation, World Cities Day, Urban Regeneration and Spatial Governance. Shanghai, 31 October 2017

Resilient and Smart cities: a collaborative effort, CityIGNITE, Unlocking city potential through collaboration & innovation, Sydney, 16 October 2017

The Landscape and the City. 3<sup>rd</sup> city conference, AILA, Sydney, 13 October 2017

Smart Citizens in Smart Cities, 'The Role of Smart Citizenship in Smart Cities: Lessons Learned', Jakarta, 12 September 2017

Survival of the City. UTSpeaks. Sydney, 19 July 2017 <https://englishsubtitles.online/videos/utspeaks-urban-survival-professor-rob-roggema-on-counterintuitive-thinking-149155>

Propositional Research by Design. Standing Conference of Heads of Schools of Architecture, Queens University Belfast. Belfast, 1 April 2016

Swarm Planning: A Systems Approach to Sustainable Urbanism. Seminar Sustainable Urbanism New Directions. Qatar University. Doha, Qatar, 21 March 2016

Vooraf de koe in zijn kont kijken. Water Republic, de Kracht van Verbeelding. Pakhuis de Zwijger, Amsterdam, 19 January 2016

Design Resilient Cities. Gulf Cities Resilience Forum. Kuwait City, 16-17 December 2015

Rethink, Reborn, Return Minamisoma: how local, national and international stakeholders shape a resilient disaster-proof future. Environmental Innovators Symposium V: New Programs and Leaders in Times of Massive Change. KEIO-University. Tokyo, 4 March 2015

Finding Spaces for Productive Cities. Sustainable Food Planning Conference. Leeuwarden, 6 November 2014

Design with Nature. Design na Praça. Urca, Rio de Janeiro, 1 November 2014

DV<sup>2</sup>: Een duurzame toekomst is verantwoord en veerkrachtig. Dag van de Duurzaamheid. Inholland University of Applied Sciences. Delft, 22 May 2014

Four Ways to Create Resilience in Urban Communities. Environmental Innovators Symposium: Embracing Change, Building Resilience with Communities. KEIO-University. Yokohama, 16 January 2014

The Swarm Landscape, designing for a climate proof future. UniTec, Auckland, 7 March 2013

Het zwermlandschap: ontwerpen voor een klimaat- en krimpbestendige toekomst. Openbare lezing, Academie van Bouwkunst. Groningen, 28 September 2012

The Spatial Challenge of Planning for Climate Adaptation and Sustainable Energy Supply. Diamond Jubilee Lecture, CSIR-NISCAIR, Delhi, India, 12 March 2012

Climate adaptation by design, Annual Forum DPCD, Warrnambool, Australia, 7 June 2011

'Swarm planning' – a new era in spatial design and planning for climate change. The Royal Society of Victoria, Melbourne - DSE, 3 December 2010

How to plan for climate adaptation: the 'swarm thing' helps. NCCARF and Gold Coast City Council, Surfers Paradise, 18 November 2010

Potentials for Local Energy Supply - the Design of a Region without Fossil Energy. Smarter, Cleaner, More Localised Energy for Local Government, MAV - Melbourne, 17 November 2010

Swarm planning for climate adaptation: a Dutch experience, keynote VCCCAR-thinktank Adaptive learning, Melbourne, 5 July 2010

Climate adaptation in the province of Groningen, 6th European Conference on Sustainable Cities and Towns, Dunquerque, 19 May 2010

Swarm planning for climate adaptation, a Dutch experience, F:ACTS! Seminar Interreg, Den Bosch, the Netherlands, 16 March 2010

De Veenkolonien klimaatbestendig, Themamiddag Energy and Climate, Muntendam, the Netherlands, 4 March 2010

China in a heated world. Lecture Food for Thought, Graansilo, Groningen, 1 December 2009

Planning for climate change adaptation: an emerging new paradigm called swarm planning. The Groningen experience. ENCORE-conference 'Strategies for adapting to climate change in the regions of Europe', Düsseldorf, Germany, 28 October 2009

Focus on climate and energy: Sustainable Urban Planning in Groningen; Lecture ISUPB2009; San Francisco, USA; 25 June 2009

Sustainable energy and adaptation to climate change in the province of Groningen, Green Trade Network Summit, MBITA, Santa Cruz, USA, 19 September 2008

Adaptation to climate change and sustainable energy in the province of Groningen, Breakfast meeting Netherland-America Foundation and Dutch Consulate, Palo Alto, USA, 18 September 2008

Climate adaptation, energy potentials and spatial planning, presentation informal working visit Crown Prince of Orange, Groningen, 1 April 2008

Climate Valley, Keuning conference on Energy Landscapes, Groningen, the Netherlands, June 2007 The space to change, Sustainability lecture, province of Groningen, the Netherlands, January 2007

The unbearable brightness of planning, World Environmental Day, San Francisco, June 2005

The Sustainable City, Subscription Covenant on sustainable building, Heino, December 1998

Costs and benefits of a disconnected sewage system, Conference Disconnection, Rioned, Zeist, the Netherlands, June 1997

A circular trip through the HAL-area, Conference Sustainable Urban development in the HAL-area, Heerhugowaard, the Netherlands, June 1995

#### **ORAL CONFERENCE PRESENTATIONS**

From nature-based to nature-driven. Landscape first for the design of Moeder Zernike. Greening Cities, Shaping Cities. Politecnico Milano, Milan, 12 October 2020

Design for Disruption: Creating the Anti-Fragile City. 10<sup>th</sup> International Urban Design Conference. Gold Coast, 13 November 2017

Swarming cities: resiliency for climate impacts by design. Ecocities 2017. Melbourne, 12 July 2017

Enhancing direct access to food for favela residents: how the FoodRoof supports them to grow their own healthy food. 2nd international conference on Agriculture in an Urbanizing Society. Rome, 16 September 2015

Towards fundamental new urban planning for productive cities: the quest for space. 2nd international conference on Agriculture in an Urbanizing Society. Rome, 15 September 2015

About Content and Process: A Proposition City-Region Planning. 2<sup>nd</sup> international conference on Agriculture in an Urbanizing Society. Rome, 14 September 2015

Smart by Nature: The Use of Swarm Planning in Creating Productive and Adaptive Urban Landscapes. 8<sup>th</sup> Conference of the International Forum on Urbanism 'True smart and green city?' Incheon, 23 June 2015

Thank God, the City is Complex. Urban Regions under Change. Towards Social Ecological Resilience. Hafen University, Hamburg, 27 May 2014

Let the Images Imagine – Enhancing the Climate Community Connection. Climate Change: Science and Art and Policy Symposium. Geelong: 1 March 2013

City in Advance: Climate as Trigger for Adaptive Planning. International Conference for Urban Planning and Environment. Sydney, 25 July 2012

Development of a Planning Theory for Wicked Problems, SASBE 2012, Sao Paulo, 29 June 2012

Swarm Planning: A Unified Approach Dealing with the Two Sides of Climate Change. World Sustainable Building Conference (SB11), Helsinki, 18 October 2011

Swarming landscapes: new pathways for resilient cities. 4th International Urban Design Conference: Resilience in Urban Design. Surfers Paradise, 23 September 2011

Planning for Climate Change or: How Wicked Problems Shape the New Paradigm of Swarm Planning. World Planning Schools Conference, Perth, 4 July 2011

To B or not to B, Transformation of Spatial Systems. Resilience 2011 Conference, Tempe, 12 March 2011

The Swarm and the Plan, Spatial Resilience for Climate Change. Resilience 2011 Conference, Tempe, 12 March 2011

Anticipating climate change in rural regions: some Dutch experiences, Sustainability of Australia's Country Towns Conference, LA Trobe University, Bendigo, 1 October 2010

Anticipative planning: The Groningen experience and the swarm planning concept, International Climate Change Adaptation Conference NCCARF, Gold Coast, 1 July 2010

Adaptation to climate change, does spatial planning help? Swarm planning does! Ravage of the planet, international conference, Cape Town, SA, 15 December 2009

Adaptatie aan klimaatverandering, is dat te plannen? Op weg naar een nieuw planningsparadigma: Swarm Planning. Ruimte conferentie, Rotterdam, 3 November 2009

Quadruple the potential; PLEA 09; International conference; Quebec, Canada, 22 June 2009

Climate adaptation and regional planning in Groningen province; SASBE 09, international conference, Delft, June 2009

Hotspot klimaatbestendig Groningen, lecture at the KvR-KvK conference, Rotterdam, 27 November 2008

Swarm planning: development of a new planning paradigm, which improves the capacity of regional spatial systems to adapt to climate change, World Sustainable Building Conference (SB08), Melbourne, Australia, 22 September 2008

The use of spatial planning to increase the resilience for future turbulence in the spatial system of the Groningen region to deal with climate change, UKSS-Conference, Oxford, 2 September 2008

Towards a comprehensive regional planning strategy based on adaptation, international ESPACE-conference, VROM, Den Haag, May 2008

Climate proof regional design in the province of Groningen, Conference Climate Changes Spatial Planning, Den Haag, October 2007

Regional energy-design for Energy Valley challenges, Energy Convention, Groningen, October 2005

The Sustainable City of the future, Conference Union of Environmentalists, Noordwijk, September 1998

Sustainable growth of cities, high density and urban lightness, INTA-Conference, Taipei, May 1998

Focus groups reached? An urban development plan, Conference Working with the local agenda 21, Amersfoort, March 1995

Influence of environmental planning on spatial planning in Breda, Conference Ecological strategies for cities, Dordrecht, October 1993

Sustainable Building in Heilaar Steenakker, Breda. Conference Sustainable Building, Utrecht, September 1993, foundation of ecology and environment

## **ACADEMIC GUEST LECTURES**

It's the ecology stupid! Queens University Belfast, 4 November 2021

Design for emergency: landscape first. Master studio 'That Sinking Feeling', Cornell University, 18 October 2021

Nature driven urbanism: landscape first! Design Studio Landscape Architecture, Faculty of Architecture and Built Environment, Delft University of Technology, 11 May 2020

Duurzaamheid. First Year Special, SABE, Hanze University of Applied Sciences Groningen, 17 May 2019

Design public space: social interaction secured? Seminar public space: Culture and Design. University of Groningen, 9 May 2019

Ontwerpen in tijden van verandering: onverwacht, ongebruikt, onderbroken. FUR-Atelier, Academy of Architecture Groningen, 26 April 2019

Ontwerpend onderzoek voor een duurzame onzekere toekomst. Academy of Architecture Groningen, 22 March 2019

Designing Food-Energy-Water and Climate Landscapes. KEIO University, 25 January 2019

The Future of Sustainable Urbanism, Shinshu University, Matsumoto, 4 September 2018

Our Adaptive City, Universitas Multimedia Nusantara, Jakarta, 13 September 2017

Our Adaptive City, TRISAKTI University, Jakarta, 13 September 2017

Designing the challenge of climate change: Guest Lecture, Studio Mess 3: >fit< for Resilience, Creswick 2042, faculty of Architecture Building and Planning, School of Design, University of Melbourne, 23 August 2012

Innovative design interventions for a changing climate Melbourne: Guest Lecture, Ecology for planning and design, faculty of Architecture, Building and Planning, School of design, University of Melbourne, 7 October 2011

Climate Change Adaptation by design. Lecture KINDLE-designing bushfire resilient landscapes. School of Architecture and Design, Landscape Architecture design studio-lower pool. RMIT University, 19 August 2011

Climate Change Adaptation and Mitigation by Design. Melbourne: Guest Lecture Environments I, RMIT University, 12 May 2011

Innovative design interventions for a changing climate and a sustainable energy supply. Melbourne: Guest Lecture, Ecology for planning and design, faculty of Architecture, Building and Planning, School of design, University of Melbourne, 15 October 2010

Energy as guiding principle for spatial planning – towards a fossil free energy supply in 2050. Guest lecture Chongqing University, Chongqing, China. 9 June 2010

Swarm planning for climate adaptation: a Dutch experience. Guest lecture Chongqing University, Chongqing, China. 10 June 2010

Energy landscapes. Lecture Wageningen University and Research Centre, Wageningen, 1 December 2009

The Groningen case: dealing with climate change and energy in spatial planning, 3 lectures Wageningen University and Research Centre: landscape architecture, energy & ecology, January-March 2009

Climate change, energy potentials and the spatial impact, 3 lectures Wageningen University and Research Centre: landscape architecture, energy & ecology, February 2008

Strategy, planning & sustainability, Lecture Master studio on Energy-landscapes Wageningen University and Research Centre, chair of Landscape Architecture, January 2006

The Full-Empty City. Guest lecture Delft University of Technology, September 1999

Integrated design, Guest lecture Delft University of Technology, Module D9, September 1998

## **SEMINAR PRESENTATIONS**

Geen tijd te verliezen! Docentennetwerk Zuid-Holland, Onderwijsnetwerk Zuid-Holland/Leiden University. 15 February 2022

The Citizen Is. Aktionstag 2.0 Pessau, Vereinigung Deutscher Wissenschaftler e.V./Universitat Pessau. 3 February 2022

Natuur en Bouwen. Webinar natur-based solutions. Inholland University of Applied Sciences, Groen Kennisnetwerk, 7 October 2021

Van 5 naar 50: Ruimtelijke toekomsten voor de Eemsdelta. Symposium Eemsdollard 2050 in 2020. ED2050 en Waddenacademie. 11 november 2020

OntSchotLand. Festival STAD, Amsterdam, 30 januari 2020

Duurzaamheid en wonen Almere. Groene Hoed, D'66 fractie, gemeente Almere, 27 May 2019

Towards Zero Carbon regions, CURF Forum, Canberra, 30 November 2017

City, Energy and the Landscape, Landscape Symposium, School of Architecture UTS, Sydney, 12 October 2017

Swarm Planning: A complexity approach to urbanism and landscape architecture. Complexity Matters #2. Business School UTS, Sydney, 7 June 2017

Swarm Planning for Sustainable Urban Environments. Sustainable Urbanism seminar. Qatar University. Qatar, 21 March 2016

Designing Swarming Landscapes for Resilient Cities. Future City Detroit Office. Detroit, 7 December 2015

From Fragile to Adaptive. Designing Resilient Cities. Designing for a Fragile Planet symposium, RMIT-Barcelona. 30 November 2015

Ontwerpen aan Voedsel in de stad. Masterclass Food & the City: Hype of Trend? Lunteren, 13 Oktober 2014

Niederlandische Raumplanung und Anpassung an Klimawandel. Kick-off meeting CALL:ISS. Midwolda, 8 Oktober 2014

Swarming Landscapes, Building Resilience for a Climate-proof Future. ISR-seminar, Swinburne University, Melbourne, 3 May 2013

Zwermplanning: planningsmethode voor klimaatadaptatie. Op weg naar een klimaat- en krimpbestendige toekomst. Ministeriële workshop, Ministerie I&M. Den Haag, 1 oktober 2012

Innovative Change for Climate Design: Transforming the Future. Social Innovation Seminar. Swinburne University, Melbourne, 23 March 2012

Swarming Landscapes: The Art of Designing for Climate Adaptation. Lecture National Training Program "Climate Change and Geospatial Technology". Delhi, India, 13 March 2012

Dealing with climate change by design (with a little help from the swarm). Geography and Environmental Studies Seminar Series, MSLE, University of Melbourne, Melbourne, 5 April 2011

Planning for Climate Change. Essendon Primary School, grade 3/4. Melbourne, 31 March 2011

Climate proofing by design: dealing with uncertainty, anticipation and swarm planning. Clean Tech Seminar Series. Griffith Hack, Melbourne, 25 March 2011

Improving planning for climate adaptation: what about the swarm? Melbourne -Seminar City of Melbourne, 10 November 2010

Spatial Planning for Climate Change Adaptation: What does a Swarm have to do with it? Monthly Climate Change Adaptation Program "borrel", RMIT, Melbourne, 6 October 2010

How to plan a climate proof region, Masterclass GfC seminar, Hof van Eden, Drenthe, 23 April 2010

INCREASE – spatial planning of a fossil free region in 2050, Workshop GfC seminar, Hof van Eden, Drenthe, 22 April 2010

Terug naar de kust. Waddenwiegdebat. Royal Haskoning, Groningen, 26 November 2009

Wicked? Eindconferentie Hotspot klimaatbestendig Groningen, Groningen, 13 November 2009

Klimaat in het Gronings omgevingsplan; seminar klimaat en structuurvisies; KvR en NIROV, Utrecht, 11 June 2009

Lokale energie voorziening gebaseerd op lokale potenties, de case Groene Compagnie; Stuurgroep energieconvenant Groningen, 4 June 2009

Aanpassing aan klimaatverandering, aanpassing van de energievoorziening en het regionaal ruimtelijk ontwerp: swarm planning, lecture VROM, Den Haag, 9 February 2009

De avonturen van klimaatadaptatie in het omgevingsplan voor de provincie Groningen, lecture klimaatatlas conference, Alterra, Wageningen, 22 January 2009

Gallery of opportunities, lecture inaugural conference Wadden Academy, Leeuwarden, 2 December 2008

Een rondje klimaatadaptatie. Lecture for the managers of the province Groningen, 29 October 2008

Sustainable development of the Groningen Wadden area, Board Meeting Wadden Academy, Terschelling, 12 July 2008

Planning with energy potentials in the province of Groningen, Expertmeeting energiepotenties, Stichting Natuur en Milieu Flevoland, Lelystad, June 2008

Climate adaptation, energy potentials and regional planning, gemeente Almere, Groningen, June 2008

Climate Change and energy as inspiration spatial design, Province of Friesland, Leeuwarden, November 2007

Climate Change and energy as inspiration for the regional design of Groningen, CDA (Christian-democrats)-union of representatives in Groningen, Zuidbroek, November 2007

Climate Valley, municipality of Almere, June 2007

The space to change and a new regional development plan Groningen, province of South Holland, Atelier Zuidvleugel, Den Haag, December 2006

Lecture Grounds for Change, Inter Provincial Organisation, meeting of directors, Groningen, September 2006

The Northern Netherlands 2036, a longing perspective, Meeting of Executives, Groningen, February 2006

The Sustainable City, example Westerpark, Environmental Federation, Brabant, Tilburg, June 1996

Sustainable city development in Breda, example Westerpark, Machine room Quality on site, Ministry VROM, Den Haag, February 1995

Knowledge management for city edge developments, PRO, Utrecht, February 1994

## **DESIGN CHARRETTES and MASTERCLASSES**

September 2017, Jakarta, Creative workshop depicting six smart city projects

September 2015, Kesennuma, Japan. Long term development plan for Kesennuma area, recovering from the tsunami impact

August 2015, Binder-soum, Mongolia. Tourism Development Plan for Binder Sum

May 2015, Toronto, Canada. Resilient Don Watershed. Design of resilient watershed for the Don River on the occasion of the Dutch Royal Visit, Canadian Resilient Cities summit

February 2015, Dhaka, Bangladesh. Design of a food resilient Dhaka. One week intensive design studio for designing local food supply, renewable energy, watermanagement, urban metabolism and transportation/mobility

September 2014, Minamisoma, Japan. Reborn, Rethink, Return, long term vision for Minamisoma area, suffering from Tsunami and Nuclear disaster

May 2014: Utrecht, Dag van de Stadslandbouw. Design charrette/Design workshop for the Potmarge area, Leeuwarden. Long-term vision for a sustainable area development.

October 2013: Auckland, New Zealand. Design charrette for the redesign of Wynyard Quarter in Auckland City Centre, dealing with Sea Level Rise, Storm-water flooding and onsite contamination. Unitec

November 2012: Velp. Design charrette to design climate adaptation in three European regions: Almere, The Netherlands; Varna, Bulgaria and De Wijers, Belgium. Van Hall Larenstein University for Applied Sciences

June 2012: Sea Lake, Australia. Design charrette to design a climate proof plan for the small town of Sea Lake and the surrounding landscape in northwest Victoria, dealing with heat and drought, and occasional floods. Victorian Centre for Climate Change Adaptation Research

March 2012: New Delhi, India. Design charrette to design climate proof strategies for the municipality of Hobsons Bay in Australia, dealing with Sea Level Rise, Heat, Bushfire risk and Storm Surges. NISCAIR

November 2011: Greater City of Bendigo, Australia. Design charrette to design a climate proof regional design for the city of Bendigo and around, dealing with the risk of Bushfires. Victorian Centre for Climate Change Adaptation Research.

April 2010: Hof van Eden. Masterclass How to plan a climate proof region. Grounds for Change conference, Drenthe,

April 2010: Hof van Eden. Design charrette to design a Sustainable Highway A27 between Groningen and Assen. Arcadis.

April 2010: Hof van Eden. Design charrette to design the Emmen Zoo as a Peoples Park in Emmen. DHV.

April 2010: Hof van Eden. Design charrette to design a sustainable urban fringe park, Kiemland in Meppel. Hanze University for Applied Sciences.

November 2009: Sint Annaparochie. Jong Fryzen Forut, Design charrette to create designs for a local sustainable future in a shrinking area, where especially youth is leaving.

October 2009: Beijing, Shanghai. Increase II. The second design charrette for the International Conference for Renewable Energy Approaches for the Spatial Environment, exploring the spatial options of integrating renewable energy options in the regional design and calculate the demand and supply.

June 2009: Delft. Design charrette session exploring the potential of designing with the Swarm Planning methodology, leading to innovative regional designs for parts of the Province of Groningen. During SASBE conference, TU Delft

June 2009: Groningen. Design charrette in which the thematic information is integrated into detailed solutions for problematic areas and integrated future regional designs are made.

February 2009: Huizinge. Design charrette in which for every agricultural sector a climate proof future scenario is developed and these visions are integrated into one agricultural regional design.

November 2008: Allersmaborg. Design charrette to create innovative ideas and scenarios to provide clean and sufficient water under severe climate conditions for the Province of Groningen.

October 2008: Groningen. Backcasting the Future II: design charrette to integrate the formerly developed climate proof scenarios in plausible spatial futures and a realisation pathway for the Province of Groningen

June 2008: Groningen. Backcasting the Future: design charrette to develop scenario's for a climate proof long-term future for the Province of Groningen on the basis of extreme climate assumptions.

May 2008: Shenzhen. Demonstration Project of Sino-Dutch Sustainable Building Demonstration Projects. Vanke Stream Valley, China Vanke Company Ltd.

April 2008: Amman, Jordan. Increase (International Conference on Renewable Energy Approaches for the Spatial Environment) I. Design charrette, exploring regional renewable energy potentials and their spatial impact in case study areas in the Netherlands and Jordan. Climate Changes Spatial Planning Knowledge Program and Province of Groningen

March 2008: Den Ham. Impulse-Meeting Climate Adaptation Northern Netherlands. Charrette to identify high potential climate adaptation projects for the northern part of the Netherlands. Provinces of Friesland, Drenthe and Groningen, and the Adaptation Spatial Planning and Climate program, Ministry of Housing, Spatial Planning and the Environment

February 2008: Groningen. Design charrette for designing a multi-layer coastline for the province of Groningen, which increases its capability to deal with increased risk as result of sea level rise and storm surges. Climate Changes Spatial Planning Knowledge Program.

December 2007: Guiyang. Design charrette/TOR-workshop Demonstration Project of Sino-Dutch Sustainable Building Demonstration Projects, Regional Comprehensive Development Cooperation Project of Yu'An and Anjing in YunYan district in Gui Yan City; Kingsbury International Holding Co. Ltd.; Guiyang

December 2007: Groningen. Designing a Climate proof Water and Ecology system for the Province of Groningen. Climate Changes Spatial Planning knowledge program.

April 2006: Jinze. Bridging to the Future design charrette. Renewable Energy and Spatial Design for the village of Jinze and surroundings. IGU Bridging to the Future project.

March 2006: Chongqing. Design charrette/TOR-workshop Demonstration Project of Sino-Dutch Sustainable Building Demonstration Project Sustainable urban and landscape design for large scale greenfield development Chongqing. Longhu Real Estate Development Inc., Chongqing

March 2006: Beijing. Design charrette/TOR-workshop Demonstration Project of Sino-Dutch Sustainable Building Demonstration Project Transformation of an inner city high-density site into a sustainable neighbourhood. Beijing, China Overseas Haofeng Property Co., Ltd

May 2005: Groningen. Grounds for Change, Bridging to the Future design charrette. Bridging Energy planning and spatial design strategies in Northern Netherlands.

## **EXAMPLES of OTHER ACTIVITIES**

### **CHAIR**

Chair Academic Session, Natural Hazards and Disaster Risk Management (NDM). ClimFishCon2020, Chochin, India, 12 February 2020

Moderator Research in Architecture Symposium, Joint Academies of Architecture in The Netherlands. Ede, 3 October 2019

Chair SASBE Conference, Sydney, 4-7 December 2018

Chair FEW Nexus International Research Symposium, Sydney, 16 May 2018

Chair Scientific session, ECOCITIES 2017, Melbourne, July 2017

Chair International AESOP Conference Sustainable Food Planning, Leeuwarden, 5-7 November 2014

Thriving Neighbourhoods Conference, Decentralised infrastructure, Melbourne, November 2012

Chair Scientific session, PLEA 09, international conference, Quebec, Canada, June 2009

### **COLUMNIST**

Column KORT BESTECK, Duurzaam Bouwen, Januari 1999 - December 2000

### **TUTORING**

Design Studio Leader Northern Neitherland, Design of Climate Adaptation and Food in Hogeland, Groningen, and the Lake District, UK. Joint Studio Academy of Architecture Groningen and Queens University Belfast. January-July 2020

Design Studio Leader GO BALLS! Design of the third city. UTS, School of Architecture, Masters Studio. March-June 2018

Design Elective Smart and Sustainable water and mobility solutions for Sydney City Centre, collaborative design studio with AMS (Advanced Metropolitan Solutions), Delft University of Technology and UTS, staff and students. February 2018

Design Studio Leader GO SOUTHWEST! Design of the third city. UTS, School of Architecture, Masters Studio. August-November 2017

Design Elective New Urbanism for Badgerys Creek. UTS, School of Architecture, Masters Studio. July 2017

Design Elective Zero Carbon Sydney. UTS, School of Architecture, Masters Studio. May 2017

Design Studio leader GO WEST! Theme designing the third city for Sydney. UTS, School of Architecture, Masters Studio. March-June 2017

Atelier Leader SWELL, Theme Resilient Landscapes for sea level rise and storm surges. RMIT University, School of Architecture and Design, Landscape Architecture. July-November 2012

Atelier Leader KINDLE, Theme Bushfire Resilient Landscapes. RMIT University, School of Architecture and Design, Landscape Architecture. July-November 2011

Atelier leader 'Jonge Friezen vooruit', Theme: shrinkage in Northern Friesland, Master Van Hall Larenstein, November 2009

Tutoring Masteratelier Climate adaptation and landscape, Chair Landscape architecture, Wageningen, January-April 2008

Tutoring Masteratelier Energy landscapes, Wageningen University-Landscape Architecture, January-April 2006

### **INVITED PANEL MEMBER**

Invited Panel Member, Regional Development Australia (RDA) - How to achieve a vision for greater Sydney of more diverse and innovative jobs close to home? Parramatta, 26 July 2018

Invited panel member, Roads Australia, Emerging Cities of the Future Forum – Western Sydney. Penrith, 13 July 2018

Invited panel member, Greener Places Government Architect Briefing, Broadway, 8 February 2018

Invited panel member, Social Hack IoT Innovation Forum, Urban Food and IoT, Barangaroo, 17 October 2017

Invited panel member, Academy Xi, Sustainable Design, Pyrmont, 14 August 2017

Invited panel member, Roads Australia, Western Sydney of the Future-Forum. Parramatta, 29 June 2017

Panel Member, Urban Agriculture Strategy Meeting, Resilient Cities Conference. Bonn, 28 May 2014

Panel member, F:ACTS closing symposium, Brussels, November 2012

Panellid, themabijeenkomst rapport Deltacommissie, ABC café, Hanzehogeschool, Groningen, October 2008

Panellid, themabijeenkomst klimaatadaptatie in stedelijk gebied, DHV, Amersfoort, april 2008

Panellid Afwegingskader klimaatverandering, water en ruimte, congres De kracht van water, Amsterdam, November 2007

### **EXPERT TEAMS**

Member Australian Influentials Group, Smart Urban Solutions visit to the Netherlands, RVO and Dutch Consulate Sydney, 1-4 October 2018

Member Dutch Expert team Asia Facility, training Chinese staff and students on sustainable building, planning and management, Chongqing University, September 2008-May 2009, EVD

Member Dutch Expert team on green building, TOR-design workshop, Demonstration project Shenzhen China, Ministry of Construction, China, Ministry VROM, the Netherlands, May 2008

Member Dutch Expert team on green building, TOR-design workshop, Demonstration project Guiyang China, Ministry of Construction, China, Ministry VROM, the Netherlands, December 2007

Participation expert-meeting natuur en klimaatverandering, Kamerick, Oktober 2007

Participation AESOP-meeting Complexity and Planning, Cardiff, May 2006

Member Dutch Expert team on green building, TOR-design workshop, Demonstration project Chongqing China, Ministry of Construction, China, Ministry VROM, the Netherlands, March 2006

Member Dutch Expert team on green building, TOR-design workshop, Demonstration project Beijing China, Ministry of Construction, China, Ministry VROM, the Netherlands, March 2006

Participation Master class creativity, Kjell Nordström, Arnhem, October 2005

Participation Oxford Futures Forum, Templeton College, Oxford, October 2005

Participation Round-table conference mixed use, on initiative DG Space, Ministry VROM, May 2004

Participation polder Mastenbroek, design-meeting & movie, February 2004

Participation expert meeting 'the creative city, Groningen, December 2003

Participation expert meeting KEI, The green closing entry, Rump, February 2002  
Participation expert meeting 'Water in the South Axis, Amsterdam, June 1998  
Participation expert meeting 'building on and over highways', Bos and Lommer, Amsterdam,  
Participation expert meeting 'ecology and landscape in Meerhoven', Eindhoven, October 1996

### **REVIEW COMMITTEES/JURIES**

Jury member, Australian Construction Awards, Sydney Build, March 2018  
Jury member, LifePlus2m, Vol.2, 2017  
External Reviewer, EVO DEVO Studio, AAP Architecture, Art, Planning, Cornell University, Ithaca, 5 December 2015  
External Reviewer, Studio Mess 3: >fit< for Resilience, Creswick 2042, faculty of Architecture Building and Planning, School of Design, University of Melbourne, 8 November 2012  
External Reviewer Design Studio Landscape design, Faculty of Architecture, University of Melbourne, 25 May 2011  
External Critic, Design Studio Landscape Architecture "FLOAT. Designing with the dynamics of extreme water events"; RMIT University, 15 April 2011  
Member reviewing committee Master course strategic management technology: technical business school: Evaluation business case biochar, RUG, Groningen, April 2009  
Member technical jury National Passive Solar Energy Competition for Municipalities, January 1998

### **PARTICIPATION DESIGN TEAMS**

Member design team 'WECAN: An agropark for Wuhan Area, China'; start may 2009  
Participation Design Charette Bridging to the Future, Shanghai, April 2006  
Participation Design Charette Grounds for Change, Groningen, May 2005  
Participation O2 Challenge, November 1998  
Participation design-seminar Locus, ecology and landscape Architecture, October 1992

### **DESIGN COMPETITIONS**

SFBDNA, entry in the Rising Tides Competition, San Francisco Bay Area, R. Roggema & E. Vrensen, July 2009, Honorary Mention  
AANSCHOUWEN and TANKERPARCS, Het Gezicht van Zeeland, March 1999  
CARROUSSEL40PJ, Levende Energie, November 1998  
Derde EO-Wijers-competition Breda, Het Stromend Stadsgewest, January 1992