

CURRICULUM VITAE (CV) – DR. RIEN A.C. DAM

Name: Marinus A.C. (Rien) Dam
Date of Birth: 25/10/1961
Country of Citizenship/Residence The Netherlands (currently resident in Indonesia)

Education

- **PhD Environmental Geosciences**, Faculty of Earth & Life Sciences, Free University, Amsterdam, Holland, 1994.
- **MSc Physical Geography**; Faculty of Earth & Life Sciences, Free University, Amsterdam, Holland; 1988.

Employment record relevant to the assignment:

Period	Employing organization and your title/position. Contact info for references	Country	Summary of activities performed relevant to the Assignment
From 01/04/2020 till 31/12/22 2.75 years	Government of the Netherlands, Netherlands Enterprise Agency (RVO)/Embassy; Delegated Representative Water for Indonesia. Mr Ivo van der Linden, DR Jakarta, ivo.vanderlinden@rvo.nl	Indonesia, Jakarta	Bilateral cooperation in water, programme management, project management, policy and strategy development, implementation
From 01/01/2019 March 2020 14 months	Royal HaskoningDHV-Hanoi, Substitute Team Leader & Senior water resources experts for Mekong Delta Integrated Regional Plan consulting. Paul.bergma@rhdhv.com	Vietnam, Mekong delta-Hanoi	International Technical Assistance and project consulting work (WB, ADB, Vietnamese government), team coordination (30-40 people, local and international)
From 09/2017 to December 2018	Witteveen + Bos Consultants Netherlands – Indonesia ; Free lance assignments; rob.van.den.boomen@witteveenbos.com (he is in Jakarta, Dubai or Deventer)	Vietnam, Hanoi, Provinces Indonesia, Jakarta	Team Leader, WB – Vietnam Urban Environment and Climate Change adaptation project – Dong Hoi Integrated Coastal Management, and other tasks in Indonesia.
From 01/01/2014 December 2018	Independent consultant; Team Leader, senior technical expert, business developer, knowledge transfer specialist Laurent Umans, PhD First Secretary Water Management and Climate Change, Embassy of the Kingdom of the Netherlands, Hanoi, Vietnam. Laurent.umans@minbuza.nl	The Netherlands, Vietnam-Mekong basin region, Indonesia, Sub Sahara Africa, India, Bangladesh, Middle East (Saudi Arabia, Oman, Iraq)	International Technical Assistance and project consulting work (WB, ADB, NL Government), Team Leader, senior technical expert on (ground)water resources and land subsidence, water business developer, knowledge transfer and capacity building specialist
From 2007 to 31/12/2013 7 years	Deltares, The Netherlands Positions held: Team Leader / Senior Expert IWRM, integrated geosciences Mr Tjitte Nauta, Regional Manager Asia, Deltares; tjitte.nauta@deltares.nl T +31 88 3358572 (office) T +31 6 51592703 (mobile)	Vietnam-Mekong basin region, Indonesia, Sub Sahara Africa, India, Bangladesh.	Regional planning and geosciences & environmental issues, groundwater management, land subsidence studies; Senior Institutional development and capacity building expert (worldwide), portfolio coordinator Vietnam
From 2004 to 2007 36 months	Employer: University Groningen, The Netherlands Positions held: Project manager for international cooperation Mrs Madeleine Gardeur, former Director, International Office, Tel: +31 50 363 9111 communicatie@rug.nl	Ghana, Tanzania, Uganda, Mozambique, Eritrea, India, Indonesia, Vietnam	Project management, Team leader, knowledge transfer and capacity building in higher education, environmental sciences projects, public administration and planning

From 2002 to 2004 18 months	Employer: Delft University of Technology Positions held: Project Coordinator and subject expert, Civil Engineering and Applied Geosciences projects Paul Althuis, former Director CICAT h.p.s.althuis@tudelft.nl ; Tel: +31 152789521	India, Philippines	Project Manager and subject expert, Civil Engineering and Applied Geosciences projects, water resources management
From 1995 to 2002 36 months	Employer: NITG-TNO, Netherlands Institute for Applied Geosciences Positions held: Team/project manager and senior geologist, International projects. Dept. Head; Mr Jos de Sonnevile josdesonneville@waterwys.nl Tel +31 6 51541663	Indonesia, Philippines, Vietnam, Mozambique, Iraq, Vietnam	Team/project manager and senior geologist, groundwater expert, International projects manager
From 1994 to 2001 36 months	Employer: Utrecht University, Faculty of Earth Sciences Positions held: Geologic expert / project management Dr. Manfred van Bergen, Staff Faculty Geosciences; m.j.vanbergen@uu.nl +31 30 2535036	Indonesia, Mozambique	Geologic expert / project management, team leader of the international cooperation programme
From 1988 to 1994 64 months	Employer: Free University Amsterdam; Bundesanstalt für Geowissenschaften, Hannover / German Federal Agency for Geosciences; Geological Agency, Bandung, Indonesia Positions held: Geo-environmental researcher for the Bandung area (Indonesia) – water-groundwater, geology, regional planning Faculty Earth Sciences VU, Amsterdam Department Manager: P.J. (Paul) Bijlsma Tel: +31 20 59 87264 Email: p.j.bijlsma@vu.nl	Indonesia	Geo-environmental researcher for the Bandung area (Indonesia) – water-groundwater, geology, coordinator regional planning

Membership in Professional Associations and Publications:

- Member of Team Leader group, Disaster Risk Reduction Programme, Netherlands Ministry of Foreign Affairs
- CCOP; Coordinating Committee for Geoscience Programmes in East and Southeast Asia, Representative for The Netherlands, 2008-2013; www.ccop.or.th
- KNGMG Royal Netherlands Geology and Mining Society – www.kngmg.nl
- KIVI; The Royal Netherlands Society of Engineers; www.kivi.nl

Language Skills (indicate only languages in which you can work):

Language	Speaking	Reading	Writing
English	Fluent	Fluent	Fluent
French	Good	Good	Good
Bahasa Indonesia	Fluent	Good	Moderate
German	Good	Good	Moderate
Spanish	Moderate	Moderate	-
Dutch	Mother tongue		

Reference to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks

Name of assignment or project: Netherlands – Indonesia bilateral cooperation on water

Year: Started April 2020, contract end 31/12/2022

Location: Indonesia-Jakarta (Ministry of Public Works, NL Embassy, Bappenas) and project locations

Client: Netherlands Enterprise Agency-RVO, for Ministry of Foreign Affairs, NL Embassy Jakarta

Main task features: Overseeing the bilateral cooperation programme in Water, between the Indonesian Ministry of Public Works and Housing, other Indonesian Ministries (MenKo MarVes, Bappenas, others), advising the NL Embassy in Jakarta, reporting to the “Delta team Indonesia” in the Hague; project development & formulation, oversight, procurement, etc.; strategic positioning of Dutch water sector within the context of international partnerships in Indonesia, viz. with WB, ADB, other development partners such as Korea, Japan, Germany.

Position: Resident Delegated Representative Water for Indonesia / Water expert

Activities: Programme coordination and planning, policy development and implementation of overall G2G water sector cooperation involving several Indonesian Ministries and multiple partners, multiple parties from the NL water sector, government and private sector; coordination and alignment with various stakeholders, technical contributions to a broad suite of water management issues and related subjects.

In depth project experience: ToR preparation, oversight, technical contributions;

- Welang river basin flood management and master plan, East Java, 15 months, till March 2022
- Semarang urban flood resilience, Develop2Build assignment (EUR 1 million) development and project formulation
- Cooperation portfolio with Pekalongan city, waste water management, integrated water & coastal management
- Regional analysis of Land Subsidence, coastal zone Central Java
- Initiation, consultations and technical analysis for various coastal management and river basin management projects, including preparing Building with Nature approaches

Name of assignment or project: WB/MPI, Vietnam – Mekong Delta Integrated Regional Plan project

Year: January 2019-March 2020, 14 months

Location: Vietnam, Hanoi (Ministries) and Mekong Delta, provinces and other stakeholders

Client: Worldbank, Ministry of Planning and Investment, Gov. of Vietnam

Main project features: The main elements of the project are:

1. Develop the Mekong Delta Integrated Master Plan in the period 2021 - 2030, with a longer perspective up to 2050
2. Facilitate the proactive participation of stakeholders (governmental agencies, businesses and communities) in the planning process
3. Set up a Decision-Supporting-Tools set that promote the evident-based planning approach and provide capacity building and technical assistance for enhanced quality of master plan formulation and implementation.

Position: Resident (substitute) Project Coordinator (Hanoi) for a team of around 40 experts / Water Resources expert

Activities: Project coordination and planning, ensuring productive and efficient cooperation between task team (international, Dutch and Vietnamese) and team members working on different Deliverables, supporting reporting and technical consultations – meetings with client, stakeholder consultation, technical analysis of a broad suite of water resources and related subjects

- Water infrastructure assessment and planning
- Integrated delta land and water management, natural resources, agriculture, disaster mitigation
- Coastal resilience and mangrove restoration
- Diverse stakeholder consultations at national, provincial and local level
- Land subsidence studies and general hydrogeological assessments

Name of assignment or project: ADB – Vietnam Urban Environment and Climate Change adaptation project – Dong Hoi Integrated Coastal Management

Year: Started September 2017, 2-year programme (part-time employment);

Location: Vietnam, Dong Hoi coastal zone, Quang Binh province), The Netherlands

Client: ADB and Dong Hoi – Quang Binh People’s Committee

Main project features: organisation and technical analysis of hydrodynamic study of coastal environment and estuary; dune restoration and protection, data collection, modelling, data integration and reporting recommendations, application and hand-over of suitable software, stakeholder and client consultation workshops.

Positions held: Team leader of Vietnam-Netherlands team (part-time position)

Activities performed: Project management, ensuring productive and efficient cooperation between consortium partners, supporting reporting and technical consultations – hand over to client, stakeholder training, liaison with and reporting to Worldbank.

- Coastal land use planning
- Coastal flood protection infrastructure planning and design
- Institutional management and capacity building for involved local government (Provincial) Departments
- Flood and disaster mitigation (coastal erosion, typhoon impacts)

Name of assignment or project: Ho Chi Minh City – Land Subsidence Review

Year: 2018

Location: Vietnam, Ho Chi Minh City, and The Netherlands

Client: Netherlands Embassy, Hanoi, Department of Planning and Architecture, TP HCM

Main project features: review and technical analysis of Land Subsidence

Positions held: Team leader / senior expert Land Subsidence and water management

Activities performed: Project management, technical review, workshop presentations, working on solutions and business opportunities.

Name of assignment or project: Geodata for Agriculture and Water (G4AW)

Year: Started October 2016, 3-year programme (part-time employment);

Location: Vietnam, Central Highlands and Indonesia (Java, South Sumatra), The Netherlands

Client: ICCO Cooperation (International NGO) and consortium partners, Netherlands Space Agency NSO

Main project features: GREENCoffee: Development of Information Services tool for coffee production in Vietnam's Central Highlands covering resilience to climate change, sustainable production, reduced water use and making use of state-of-the-art satellite data (Sentinel etc.) on weather, environment, crops. SMARTseeds, Development of similar Information Services tool for vegetable production in Indonesia.

Positions held: International Programme Management for both 3-year projects (part-time position)

Activities performed: Programme management, ensuring productive and efficient cooperation between consortium partners (up to 10 Vietnamese and Dutch Institutions), supporting national institutional embedding and development of Business Model.

Name of assignment or project: Groundwater resources in Greater Mekong Sub-region: Collaborative management to increase resilience.

Year: 2016; 4 months

Location: Lower Mekong Subregion, The Netherlands

Client: UNESCO, CCOP Secretariat, Bangkok

Main project features: Development of integrated funding application proposal, with stakeholder and implementing partner consultation in the region

Positions held: Senior IWRM / (ground) water resources management expert; Coordinating Technical Advisor climate adaptation

Activities performed: Project proposal development for Climate Adaptation Fund, stakeholder and implementing partner consultation, workshops

Name of assignment or project: Berbak Green Prosperity Partnership MCA Indonesia - USA-

Year: 2015-2016; 8 months

Location: Indonesia-SE Asia, The Netherlands

Client: Euroconsult Mott MacDonald

Main project features: IWRM and Climate change and environment projects portfolio

Positions held: Senior IWRM / water resources management expert; Coordinating Technical Advisor Berbak Green Prosperity Partnership MCA-I

Activities performed: Technical assistance coordination, formulation Project Implementation Document, project acquisition and proposal development

Name of assignment or project: TA 7780, coordinating consultant for ADB National IWRM Support Program, Laos, C3-C4 components. ADB-AUSAid funding

Year: 2015; 6 months

Location: Laos

Client: ADB, Laos government (MONRE) and National University of Laos, Faculty water Resources

Main project features: Developing IWRM based water resources management in Laos, IWRM-based higher education at National University of Laos, formulate National Groundwater Action Plan, TA coordination multiple components

Positions held: Coordinating consultant Groundwater and IWRM components

Activities performed: Technical support for development IWRM based water resources management in Laos, coordinating review of IWRM-based higher education at National University of Laos, formulation of the National Groundwater Action Plan, TA coordination multiple components

Name of assignment or project: Mekong river & delta strategic development and planning

Year: 2010-2014; 4 years

Location: Vietnam. The Netherlands

Client: MONRE, MARD, Mekong Delta provinces, Government of Vietnam & Government of The Netherlands

Main project features: Mekong Delta strategic planning and water management, climate adaptation. Consultation workshops, assessment of water main management issues, flood management, hydraulic design modelling for navigation and integration of water management regional planning.

Positions held: water management senior expert, institutional & capacity building expert

Activities performed: Assessment of Mekong Delta, institutional capacity and management issues, information-based policy development, design hydraulic infrastructure integration of international expertise and knowledge of local counterparts into expert system / decision support system. Over 25 missions to Vietnam (two to six weeks duration)

Name of assignment or project: Ho Chi Minh Flood Mitigation (& urban water management), 1. MEuro project, funded by Dutch government, 15-member team

Year: 2010-2013; 13 months

Location: Vietnam

Client: Steering Centre Flood Control – People's Committee, HCMC, Vietnam

Main project features: Development of an integrated flood mitigation strategy, including structural and non-structural measures for HCM city, Vietnam. The project includes studies of urban drainage problems, effects of groundwater extraction on subsidence, foundation stability for on hydraulic infrastructure

Positions held: urban water management, geo-technical/groundwater expert

Activities performed: Project formulation; specific assessments of urban drainage problems, effects of groundwater extraction on subsidence, subsidence assessments of geo-environmental conditions and geo-technical and foundation aspects for new and existing hydraulic infrastructure. Multiple missions to Vietnam

Name of assignment or project: Deltares knowledge development programme on land subsidence and georisks. Different projects and countries

Year: 2009 – 2013; 15 months

Location: The Netherlands, Jakarta, Ho Chi Minh City, Dhaka, network

Client: partner agencies in locations

Main project features: Development of an expert system land subsidence and implications for urban water management. Relationships between groundwater extraction and land subsidence, implications of land subsidence for foundation stability of infrastructure. Economic costs subsidence and governance issues.

Positions held: Team Leader technical assistance & knowledge development (urban water management) expert

Activities performed: Project conceptualization, activity management, organising joint training sessions, technical analysis and assessment on pertinent issues. Including:

- Quantitative land subsidence prognosis; Geotechnical model development
- Land Subsidence hazard and risk maps for several major cities in SE Asia

Name of assignment or project: Training programme Iraq Geological Survey

Year: 2009 – 2010; 6 months; 300 K Euro project, 8 team members

Location: The Netherlands, Damascus

Client: State Geological Survey Company of Iraq

Main project features: Development of and training in an expert system for geological data management, including groundwater resources and geological hazards (groundwater resources, land subsidence, geotechnical issues)

Positions held: Team Leader, technical expert, project coordinator

Activities performed: Project formulation and development, activity management, conducting joint training sessions, analysis of technical issues. Including activities:

- Development of geological information expert system
- Geotechnical issues and model development, use of surveying equipment
- Review of critical groundwater issues in southern Iraq

Name of assignment or project: Miscellaneous short assignments related to groundwater management and river basin / water management (flooding, land subsidence and natural disasters, groundwater resource depletion).

Year: 2001-2014; 36 months

Location: various countries: Indonesia, Vietnam, Iraq, Jordan, Benin

Client: Dutch Government, partner country government, Worldbank

Main project features: Formulation miscellaneous projects including: urban planning, studies for regional (ground)water management, environmental hazards such as land subsidence, coastal erosion, flooding, natural resources management

Positions held: IWRM, groundwater and geosciences technical expert

Activities performed: Project conceptualization, management, organising training sessions on technical subjects, overall project coordination, result dissemination. Included specific activities/studies on:

- Regional (ground)water studies
- Inventories for environmental hazards; land subsidence, coastal erosion, flooding

Name of assignment or project: Hanoi metropolitan spatial planning and urban water management inventory

Year: 2013; 2 months

Location: Vietnam & The Netherlands

Client: Netherlands Embassy, Hanoi, Ministry for Infrastructure and Environment

Main project features: Inventory of contextual information and priority issues related to water safety, water supply and drainage of Hanoi metropolitan area. Incl. recommendations for flood mitigation (Red river), urban drainage and sewage system improvement, governance issues.

Positions held: Mission leader, IWRM / Urban water management expert

Activities performed: Inventory of contextual information and priority issues related to water safety, water supply and drainage of Hanoi metropolitan area. Incl. recommendations for flood mitigation (Red river), urban drainage and sewage system improvement, governance issues.

Name of assignment or project: Vietnam Facility project; the use of modelling tools & DSS for complex geo-environmental, climate change and water management .

Year: 2009-2011: 24 months

Location: Vietnam & The Netherlands

Client: EVD-Netherlands Ministry for Economic Affairs

Main project features: The project constituted a knowledge transfer and training programme, with a large number of technical workshops

Positions held: Project manager, technical expert

Activities performed: Training sessions and joint expertise development on:

- Groundwater models (GMS, MODFLOW, iMOD) and model application in Mekong Delta, Vietnam Southern provinces and Ho Chi Minh City
- Hydraulic modelling (SOBEK) and application in Ho Chi Minh City
- Subsidence models and geology – geotechnical visualization tools
- **Decision Support Systems** using model output (as above) in decision making processes and management systems
- Project management, organising training sessions, result dissemination.

Name of assignment or project: SOWACOR programme (Soil, Water and Coastal Resources); Scientific cooperation programme with KAUST (King Abd. University of Science and Technology, Saudi Arabia), 2 M Euro project, 10 team members

Year: 2008-2011: 24 months

Location: Saudi Arabia & The Netherlands

Client: KAUST (King Abdullah University of Science and Technology, Saudi Arabia), Utrecht University (leading)

Main project features: The collaborative research program focused on exploring innovative techniques for soil and (ground)water management in constrained (arid) environments.

Positions held: Project component coordinator, technical expert

Activities performed: Scientific workshops and expertise development on:

- Groundwater quantity and quality
- Soil solids - water interaction (geotechnical, soil & groundwater chemistry)
- Subsurface geology – geotechnical visualization tools
- Natural recharge and water quality treatment systems (infiltration)

Name of assignment or project: Integrated Risk Management and Institutional Strengthening (IRMIS), budget 5.5 M US \$, Aceh Reconstruction Trust Fund

Year: 2007-2008: 4 months

Location: Aceh, Indonesia

Client: Tsunami & Disaster Mitigation & Research Centre, Syiah Kuala University, Banda Aceh, Indonesia

Main project features: The project IRMIS Aceh-Nias aims to develop and strengthen the recently formed Tsunami and Disaster Mitigation Research Centre of the Syiah Kuala University.

Positions held: project manager, technical expert DRR and institutional strengthening

Activities performed: Development of the project, including detailed definition of its scope and activities, preparation of funding proposal and negotiations with funding agency and with UNDP on start up of the project

- Assessment of regional critical (ground)water and other natural resources
- Assessment of regional (provincial) geological/geotechnical hazards for natural disasters and built environment

Name of assignment or project: WaterPlus, 1 M Euro project, 8 team members

Year: 2001-2004: 36 months

Location: Cebu City, Philippines

Client: Water Resources Centre, San Carlos University, Philippines

Main project features: Capacity development of University San Carlos Water Resources Centre, cooperation between USC-WRC and TU Delft, Netherlands

Positions held: project manager, technical expert water resources management

Activities performed: project management, expert consultations, seminars, staff guidance

- Studies and integrated assessment for regional water resources, including groundwater, producing regional groundwater potential maps
- Studies on regional geologic and geotechnical hazards, seismicity, landslides, coastal abrasion, soil erosion
- Transfer of expertise and skills in training programmes

Name of assignment or project: Laguna Lake Development Plan

Year: 1996-1997: 6 months

Location: LLDA, Pasig, Metro Manila, Philippines

Client: Laguna Lake Development Authority

Main project features: Assessment of subsurface geological conditions that play a role in flooding; subsidence, coastal erosion, groundwater management, extraction of groundwater leading to subsidence, sedimentation/siltation and upland erosion in catchments

Positions held: senior advisor geo-environmental issues, geohazards

Activities performed: Study and assessment of Laguna lake regional geo-hazards, including

- over-abstraction of groundwater and regional groundwater potential, land subsidence
- flooding ((typhoon – induced and Laguna lake related); lake shore and upland erosion

- sedimentation and clogging of drainage channels
- issues with poor foundation on reclaimed lake shore lands

Name of assignment or project: Bandung area and Citarum river basin environmental geology

Year: 1994: 8 months

Location: Bandung region, West Java, Indonesia

Client: Bundesanstalt für Geowissenschaften, Hannover / German Federal Agency for Geosciences, and Indonesian-Bandung regional government & Geological Agency

Main project features: Contribution to a 4-year regional study on geo-environmental issues (geology, seismic / volcanics, groundwater, subsidence, landslide hazards, natural resources management, spatial planning, environmental guidelines) for the greater Bandung city region.

Positions held: geotechnical/hydro-geologic expert

Activities performed: A variety of field studies on various geotechnical, groundwater and subsurface geology, water related issues, map & report compilation, coaching a team of Indonesian counterpart staff.

Name of assignment or project: Eduardo Mondlane University, Dept of Earth Sciences Cooperation, Utrecht University

Year: 1995-2001: 18 months

Location: Southern Mozambique, greater Maputo region

Client: Eduardo Mondlane University, Dept of Earth Sciences & Geological Institute of Mozambique

Main project features: A 6-year cooperation in higher education for Earth sciences, including: regional geo-environmental issues, geology, groundwater, coastal erosion hazards, natural resources management, spatial planning, environmental guidelines) for southern Mozambique.

Positions held: Geologic expert, project coordinator, instructor

Activities performed: A variety of field studies on various geotechnical, groundwater, natural resources and geology, surface water related issues, course development and teaching.

Name of assignment or project: Geological development of the greater Bandung area, Indonesia (PhD thesis research).

Year: 1988-1994: 64 months

Location: Bandung region, West Java, Indonesia

Client: Geological Research and Development Centre, Bandung, (now Badan Geologi, Indonesia)

Main project features: 4-year regional study on geological and geotechnical issues (geology, seismic, volcanics, groundwater, subsidence, landslide hazards), for the greater Bandung city region.

Positions held: geological, geotechnical, hydrogeological expert

Activities performed: A variety of field studies on various geotechnical, groundwater and subsurface geology, water related issues, map & report compilation, coaching a team of Indonesian counterpart staff. Output and results:

- geological maps for the greater Bandung Basin area
- Basin sedimentary geological map (subsurface geology, hydrogeology) for the Bandung plain area
- Volcanic/geological development scenarios for the Bandung-Lembang Tangkuban Perahu area (scientific reports)
- Geochemical assessment of Ciwidej river system and Gn. Patuha Volcano

Expert's contact information:

Name of Expert	: Rien A.C. Dam	
Date of Birth	: 25 October 1961	Citizenship: Dutch
Complete personal contact details	:	
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Telephone Number	: NL: +31 6 10475590 ; Indonesia: +62 81357850260	
Email Address	: rien.dam@outlook.com ; Skype: rien.dam1	

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available, as and when necessary, to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification, dismissal and/or sanctions by the Client.

Marinus A.C Dam, July 2023