

4F. FORMAT OF CURRICULUM VITAE (CV) FOR PROPOSED PROFESSIONAL STAFF

Name of Staff: **Maria Margaretha de Groen (called Marieke de Groen)**
Profession: Natural Resources Management, specifically Integrated Water Management
Date of Birth: 4 November 1969
Years with Consultant/Entity:
Nationality: Dutch
Subcontractor: Dutch (Netherlands), permanent resident in South Africa

Key Qualifications:

Dr.ir. Marieke de Groen is a professional in the field of water management, with a combination of civil engineering, hydrology and policy analysis background, focused on linking the inputs of different experts to the needs of stakeholders and decision makers, in getting a workable solution for integrated water management.

Dr.ir Marieke de Groen has a PhD in Hydrology from the Faculty of Civil Engineering Delft University of Technology and IHE Delft. Her PhD was about evaporation and transpiration modelling for Zimbabwe. For the last sixteen years she has been teamleader or projectmanager of integrated water management projects, or asked as a specialist policy analysis / hydrology advisor / facilitator in such projects, since 2009 based in South Africa focusing on African projects only. Her specialisation is to bring multi-disciplinary teams to work effectively and efficiently together, motivating each team member to bring in its own expertise and learn as a team and partnering with the Client. She likes the challenge of complex projects that require alternative approaches, as her motto is that it is not only about the contents of a plan, but about the process to get there, to get commitment of the key roleplayers in implementation. Her work as a policy analyst is about challenging teams, roleplayers and stakeholders to think about future deep uncertainties in the context of decisions to be taken, and identify alternatives and their possible impacts. She is an experienced facilitator and presenter, as well as main editor of many reports, making complexities understandable. She speaks Portuguese. She is currently working on the Green Infrastructure Strategy of Johannesburg (2018-2019) and on the Research on the Use of Sustainable Urban Drainage Systems in the Province of Gauteng (2018-2019). She has work experience in South Africa, Zimbabwe, Botswana, Zambia, Mozambique, Swaziland, Malawi, Tanzania, Uzbekistan and The Netherlands.



Education:

Attendance	Certificate / diploma
2018	Certificate Green Economy: Sustainable Cities , Lund University
2013	Certificate Regional Course Water and Waste Management in Mining , Salvo Global
2005-2006	Certificate Management Development Programme , TSM Business School, Netherlands
1995-2002	PhD Civil Engineering , Delft University of Technology and UNESCO IHE, Netherlands. Research: Modelling Interception & Transpiration at Monthly Time Steps, Case Study Zimbabwe
1998-1995	MSc Civil Engineering with distinction 'Water management, environmental and sanitary engineering' , Delft University of Technology, Netherlands
1993-1995	Extra curricular diploma Hydraulics and River Engineering
1982-1988	High School Degree VWO cum laude, subjects: Physical Science, Scientific Maths, Chemistry, Biology, Economics, Dutch, English, French

Employment Record:

Period	Employing organization Contact information for references	Country	Examples of responsibilities and activities performed relevant to the Assignment
Jan 2017 – Feb 2019	<p>AquaLinks Research and Implementation Pty (Ltd) – Owner - Director</p> <p>For references: Rina Taviv – head Climate Change Adaptation Gauteng Province RINA.TAVIV@gauteng.gov.za</p> <p>Gillian Maree -Senior Researcher Gauteng City Region Observatory gillian.maree@gcro.ac.za</p> <p>Stèphanie de Beer – First Secretary Economics Affairs Embassy of Kingdom of The Netherlands South Africa Stephanie-de.beer@minbuza.nl</p>	South Africa, Zambia	<ul style="list-style-type: none"> • Project Manager and Facilitator of the Research on the Use of Sustainable Urban Drainage Systems in the Province of Gauteng, South Africa • Water Management Expert and Coordinator and Editor Demonstration Document of the Greening and Green Infrastructure of Johannesburg for Gauteng City Region Observatory, for City of Johannesburg • Contributor to Wetlands Management Guideline South Africa for ICLEI. • Water resources management expert in feasibility study for water supply to Solwezi, Zambia, for North Western Water Supply and Sewerage Company, subcontracted by Royal HaskoningDHV. Hydrological study. • Teamleader and Facilitator in promoting and co-creating Water Reuse for Industries in South Africa for the Netherlands Water Partnership and the Embassy of the Kingdom of the Netherlands. • Representative of the Trans-African Hydro-Meteorological Observatory (TAHMO.org) in Southern Africa, which is introducing low maintenance automatic weather stations to make a monitoring system all over Africa including Rwanda (www.tahmo.org) • Operational Technical Project Manager of the

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	<p>Frank Annor CEO Trans African HydroMeteorological Organisation (TAHMO) F.a.annor@tahmo.org</p> <p>Prof. Sue Walker Agro-meteorological research lead walkers@arc.agric.za</p>		<p>project Rain-4-Africa, a project funded by the National Space Office of The Netherlands, to give better information to farmers for weather forecasts and planting advice, combining ground observations with satellite data and models. www.rain4africa.org</p>
Jan 2009 to Dec 2016	<p>Royal HaskoningDHV formerly SSI Engineers and Environmental Consultants (Pty) Ltd, South Africa Market Segment Leader Catchment and Water Management, Associate</p> <p>For references: Sheilla de Carvalho, Manager Water RHDHV South Africa North +27117986000 sheilla.decarvalho@rhdhv.com</p> <p>SADC Water – Director Phera Ramoeli, +267 395 1863, pramoeli@sadc.int, ARA-Centro Mozambique:</p> <p>Dr Mike Tumbare, Teamleader on Zambezi Dam Synchronisation and Flood Releases; mjtumbare@gmail.com</p> <p>Director Manuel Fobra +258 23 324168, mfobra@teledata.co.mz Directorate of Water Affairs – Mozambique Central Region:</p>	<p>South Africa, with missions to Zimbabwe, Mozambique, Zambia, Botswana, Tanzania, Malawi</p>	<ul style="list-style-type: none"> • Line management and market segment coordination of team of hydrology and hydraulic specialists • Project principal for the WR2012 information system; water resources assessment for the whole of South Africa, Swaziland and Lesotho (2012-2016) for the South African Water Research Commission. • Taskleader for subteam to develop Recommendations for Investments for ‘Dam Synchronisation and Flood Releases in the Zambezi River Basin’ (2010-2011) for SADC-GIZ, and project manager for SSI team • Teamleader and Projectmanager for Strategy for Small and Medium Dam Development in the Pungwe Basin (2009-2010), mainly focusing on the Mozambican part of the catchment (ARA Centro). • Teamleader systems analysis of the water impacts of shale gas exploitation in South Africa for South African National Energy Development Institute. • Part of key experts’ team drafting the Second National Water Resources Strategy for South Africa, for the Department of Water and Sanitation in South Africa (2012-2013) • Task leader subteam Demand Plan for holistic improvement of water and energy use; investigating options of external parties to use water from the mines of Sibanye Gold and Goldfields (West Rand of Johannesburg) and impacts on catchment. • Task leader developing Mentorship development programme, for Magalies Water Board, South Africa, bringing human resources experts and building contractors together with

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			universities and colleges to set up internship programme.
June 2007 to Dec 2008	<p>Deltares, The Netherlands Senior Policy Analyst and Project Leader of policy analysis studies in the unit Policy and Strategies; part of Climate Change Adaptation team</p> <p>For references: Cees van de Guchte, cees.vandeguchte@deltares.nl, then line manager Climate Change Adaptation, +31 6 1032 6067</p>	Netherlands	<ul style="list-style-type: none"> • Project manager, teamleader, main editor of different studies advising the National Space and Water Plan: 'Insight into long-term spatial and climate developments that influence water management in the Netherlands' as well as 'Perspectives on long-term water management' for Ministry of Transport, Public Works and Water Management, The Netherlands as input document for the National Water Plan 2009-2015. • Project manager, teamleader and main editor for multidisciplinary innovation proposal for 11 Million Euro (awarded) for Innovations in Operational Flood Management (Flood Control 2015), awarded.
2001 to 2007	<p>ARCADIS (first with Resource Analysis, since 2003 part of ARCADIS) Consultant – policy analysis and process management</p> <p>For references: Harm Albert Zanting, Director Division Water and Environment h.a.zanting@arcadis.nl, +2733 4771000</p>	Netherlands, Mozambique, Uzbekistan	<p>Policy Analyst bridging between multi-disciplinary experts, decision makers and stakeholders, to make better informed decisions on key water management challenges in The Netherlands and abroad, such as:</p> <ul style="list-style-type: none"> • Assistant project manager and teamleader of National Netherlands Drought Study. • Facilitator between the planning and technical water departments of Mozambique (DNA, ARA-Sul), Swaziland, and South Africa as well as the environmental department of Mozambique (MICOA) • Seconded consultant "Room for the River Rhine"-project for spatial planning in floodplains. • Seconded consultant "New Vision for Markermeer" Province of Flevoland (wetland creation in large innerlake Netherlands)
1995 to 2001	<p>IHE Delft (seconded to Department of Water Resources, Zimbabwe 1995 to 1997) Lecturer – Water resources management, specializing in river basin simulation modelling and PhD candidate</p>	Netherlands, Zimbabwe, Zambia	<ul style="list-style-type: none"> • Lecturing and supervision of several MSc studies in IWRM focus on hydrological and river basin modelling. • Research on hydrology of Zimbabwe, attached to Department of Water Resources Zimbabwe • Project manager / coordinator of multi-disciplinary research project 'Sharing Scarce Resources Zambezi'. (Denis Rugege also in this proposal was in this project)

Languages:

	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Portuguese	Fair	Fair	Poor
French	Fair	Fair	Poor
Afrikaans	Poor	Good	Poor
German	Moderate	Good	Poor
Dutch	Excellent	Excellent	Excellent
Shona	Poor	Poor	Poor

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