

Vietnam Project References, tasks and contributions Rien Dam period 2009-2020

A: Project initiation and formulation

B: Project coordination and management / team leader

C: Technical expert contributions

D: Progress monitoring and evaluation

E: Capacity building counterparts

Project name	Scope of the project	Vietnamese partners/clients	Main tasks Rien Dam	Months
1 Mekong Delta Integrated Regional Plan, 2019-2020 (MDIRP) Senior expert IWRM for Royal Haskoning DHV consultants	WB assignment to RHDHV/GIZ consortium to formulate the new Mekong Delta plan for water management and climate adaptation. Main task as Integrated Water Resources Management expert / co-team leader for 14 months full time, coordinating formulation of baseline reports with a team of 30+ national and international experts. Emphasis on: 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.	MPI, MONRE, MARD, MoC, MoT Water institutes SIWRR, SIWRP and many more	B, C, D	14
2 ADB – Vietnam Urban Environment and Climate Change adaptation project – Dong Hoi Integrated Coastal Management	overall team lead and coordination of the project for Witteveen+Bos and partners. 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. <ul style="list-style-type: none"> 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) 	For clients ADB and Dong Hoi – Quang Binh People’s Committee; partners CEFD Centre, Hanoi University, Van Phu Consultants, Hanoi	A, B, C, D, E	15
3 GREENcoffee Information Service for Central Highlands coffee farmers, 2016-2018	Leading a consortium of 11 partners on behalf of ICCO (The Netherlands) to develop geo-data based information products (weather info, water use, Good Agricultural Practices, soil-fertilizer, pesticide reduction) to increase farmer income and yields. The project is funded under the G4AW programme, together with a sister project in Indonesia (SMARTseeds) and runs from 2016 to 2020. As the regional programme manager I am responsible for operational support to the project consortia and strategic oversight of progressive project results and deliverables.	ERIPT, NIAPP, IPSARD, UTZ ICCO, Nelen & Schuurmans, TTC AKVO, CDC. eLEAF, WWP.	B, C, D, E	18
4 SE Asia Coastal and Delta Cities Subsidence studies (with Deltares); 2010-2016	Deltares international programme on integrated delta management and resilience for vulnerable delta’s (including Mekong Delta) includes developing new expertise on groundwater management and land subsidence.	Deltares, DWRPIS-NAWAPI, CTU (Can Tho), CCOP	A, B, C, D, E	48
5 Rise & Fall research programme; 2014-2018	The Rise and Fall interdisciplinary research programme focuses on developing mitigation strategies for the subsiding and urbanising Mekong Delta (Vietnam) facing increasing salt water intrusion.	Utrecht University, Deltares, Can Tho University, DWRPIS-NAWAPI, SIWRR	A, C, D, E	6

6	SERVIR Mekong regional programme, USAID; 2014-2019	SERVIR-Mekong is a <u>geospatial data for development program</u> designed to respond to water management / climate change adaptation for the Lower Mekong countries.	Deltares, USAid, NASA, ADPC	A, C	2
7	ADB/AusAid: National Integrated Water Resources Management Support Program, Component 4; 2015	In 2015 I supported the National Integrated Water Resources Management Support Program for Lao PDR, specifically providing policy and technical expert support to the development of an IWRM programme, research strategy and curriculum for the Faculty of Water Resources of the National University of Laos (NUOL).	ADB, AusAid, National University of Laos, MONRE (Laos), IWMI, MRC	A, C, D, E	8
8	Nuffic NICHE VN 104: Institutional Capacity Building for the Centre of Water Management and Climate Change VNU-HCMC ; 2011-2015	In order to assist Vietnam implement and realise adequate policies on water management and climate change and also help local authorities and communities cope with these challenges, the Vietnam National University established the Centre of Water Management and Climate Change - WACC.	Centre of Water Management and Climate Change VNU-HCMC, Wageningen University, UNESCO-IHE, Deltares	A, C, E	3
9	World Bank: Cumulative impact assessment and optimized water management for selected river basin Cascades; 2012-2013	Small hydropower plants are a significant contribution to meet energy demand. But to make optimal use of this resource in a sustainable manner still remains a challenge. A cascade of small dams may have detrimental impacts on the environment and water use.	Ministry of Industry and Trade, Deltares, SWECO consultants, Institute of Water Resources Planning-SIWRP	A, C	3
10	Partners for Water Programme: iQ Water Quality monitoring; 2012-2013	This project aimed for the introduction of innovative water quality monitoring technology using new sensing technology (portable WISP: Water Insight Spectrophotometer) and a crowd-sourcing approach, using smart phones.	iQ Water consortium, Nelen & Schuurmans, Deltares, SIWRR, VNU-HCMCcity	A, B, C, D, E	3
11	Mekong Delta Dialogues, International Conference; Wetlands International USA and RNE Embassy Hanoi; 2012-2013	After the successful Mississippi Delta Dialogues Conference in New Orleans (2010) America's Wetland Foundation, Vietnamese government (MONRE) and The Netherlands government cooperated for the successful 2013 Mekong Delta Dialogue Conference.	America's Wetland Foundation, MONRE, Netherlands Embassy Hanoi, Deltares	A, B, C, D	6
12	Hanoi Metropolitan area water management reconnaissance; Netherlands Emb. Hanoi, 2013.	The assignment included consultations with water, environment and spatial planning agencies in the Hanoi metropolitan area to prepare an inventory and prioritization of water management issues, and possibilities for a focused intervention.	MONRE, DONRE, MARD, IWRP, DHSC,	A, B, C, D, E	4
13	Mekong Region Climate Services Assessment; Netherlands Embassy Hanoi; 2012	A regional (Mekong River Commission, Vietnam) assessment on the opportunities and needs for tailored and more user-defined water and climate change adaptation information products, obtained through remote sensing and data aggregation in versatile information management tools.	MONRE, MARD, VAWR, HWRU, VNU-HCMC	A, B, C, D, E	12
14	HCMCcity Flood and Inundation Management; DGIS – RNE Embassy Hanoi (Dutch Government); 2009-2012	The project included, among others: (1) Flood modelling; (2) Probabilistic modelling, (3) Flood risk management strategies, assessing the impact of different flood management strategies on their potential contribution to reduce the flooding in Ho Chi Minh City and (4) Capacity building, providing trainings consisting of various elements like workshops and on-the-job training.	MONRE, MARD, HCM City People's Committee, Steering Centre for Flood Control, HCMC, technical institutes HCMC, Netherlands Embassy,	A, C, D, E	12
15	Strengthening Disaster Resilience for coastal communities in the Mekong Delta; World Bank; 2010-2012.	The study aimed at searching and defining appropriate ways for the strengthening of the disaster resilience for coastal communities in the Mekong Delta. The study provided recommendations to make communities more resilient to flood disasters.	Royal Haskoning consultants, Provincial DARD/DONRE's, SIWRP	A, C, D, E	3

16	Vietnam Facility project; EVD Agentschap NL (Dutch Government); 2010-2012	The knowledge transfer project focused on and was titled: “Advanced training in modeling and information management applications for water, environmental management and climate change adaptation issues”.	VNU-HCMC, Can Tho University, Steering Centre for Flood Control, HCMC, DWRPIS.	A, B, C, D, E	24
17	Partners for Water Programme: Holland Delta consortium / Mekong Delta Portal Lizard; 2010-2012	The project’s objective was to introduce and market innovative water information management technology (Lizard system) and dike and dam safety monitoring in Vietnam, for MARD / MONRE’s Engineering Departments and engineering companies.	MARD, WRU, Vietnamese Engineering Companies, MONRE, Nelen & Schuurmans	A, B, C, D, E	6
18	Mekong Delta Assessment Reports; Water Mondiaal – Partners for Water (Dutch Government): 2010 - 2011	The major objective of the Assessment Studies was to obtain good insight into the availability of (water sector related) data and information, as well as in the actual problems and constraints in the Vietnamese part of the Mekong Delta.	MONRE, MARD and technical institutes: SIWRP, SIWRR, DWRPIS, SIHYMETE, Can Tho Uni.	A, B, C, D, E	6

New / pending projects and initiatives

Project name		Scope of the project	Vietnamese partners/clients	Main tasks Rien Dam	
A	ADB Subsidence proposal	On the basis of earlier Deltares initiatives and progress made with various assignments concerning land subsidence studies in important metropolitan areas Rien Dam and co-workers formulated a proposal to address land subsidence in a coherent and effective manner in a number of case studies in SE Asia (Indonesia, Vietnam, Bangladesh). A proposal has been submitted to ADB and a funding decision is pending.	Deltares, UNESCO-IHE, ADB, CCOP-TS	A, C	3
b	NWO/Urbanizing Delta’s research proposal: IWARE: Integrated Water Management and regional Development in Mozambique and Mekong Delta, Vietnam; 2014-2015. Application not successful.	The Netherlands is leader in the development of tools and approaches for water management and regional planning. This proposal brings together two state of the art tools (1: flood and inundation modelling on the basis of 3Di, and 2) a spatially explicit land-use model that simulates land-use changes according to socio-economic scenarios and policy alternatives based on the Land Use Scanner model of, amongst others, VU, PBL and Object Vision.	Free University Amsterdam, Nelen & Schuurmans company, UNESCO-IHE, PBL	A	3
c	Adaptation Fund project proposal “Groundwater resources in Greater Mekong Sub-region: Collaborative management to increase resilience” ; 2015-2016; Application submitted.	Personal assignment from UNESCO and CCOP-TS for the formulation of an application document and technical project proposal for a regional collaboration project on groundwater management. The project emphasizes regional groundwater management collaboration and mutual capacity building support (Myanmar, Thailand, Lao PDR, Cambodia, Vietnam).	UNESCO, CCOP-TS, NAWAPI-DWRPIS, IWMI, IGRAC and supporting national experts	A, C	8
