

# Curriculum Vitae Hubertus Jacobus van der Zel

1. **Family name:** van der Zel
2. **First names:** Hubertus Jacobus
3. **Date and place of birth:** 27 -03-1945, Bovenkarspel, The Netherlands
4. **Nationality:** Dutch
5. **Civil status:** Married
6. **Education:**

Institution	Degree(s) or Diploma(s) obtained:
Agricultural University Wageningen 1963 -1971	Agricultural engineer (equivalent MSc)

7. **Language skills:** Indicate competence on a scale of 1 to 5 (1 – excellent; 5 – basic)

Language	Reading	Speaking	Writing
Dutch	1	1	1
English	1	1	1
Spanish	1	1	1
German	1	3	3
French	2	3	3

8. **Other skills:** Computer programming, database management, Microsoft Office programs, driving license

9. **Present position:** European Co director of EU co financed rural development project in Chile, president DEXCEL ([www.dexcel.org](http://www.dexcel.org)).

10. **Years of professional experience:** 35

11. **Key qualifications:**

Thirty-five years of experience working in developing countries in international cooperation projects related to the management of renewable natural resources and integrated rural development as researcher, as trainer, as evaluator and formulator of projects, as project executor, as expert or as project manager, in the private sector as well as in the public sector including the United Nations.

The projects in which I have worked dealt with: irrigation, drainage, water and soil conservation, sustainable agriculture, reforestation, water and sanitation, treatment and reutilization of waste water, rural engineering, alphabetization and bilingual education, environmental education, small industries and rural micro-credit systems, evaluation of natural resources at regional and national level, formulation and execution of rural development projects, strengthening local government, decentralization; always with great emphasis on participative planning of the beneficiaries of the projects. The countries in which I have worked include: Surinam, Spain, Iraq, India, The Netherlands, Egypt, Jamaica, Peru, Bolivia, Guatemala, El Salvador and Chile

12. **Specific experience in the region:**

Country	Date from – Date to
Honduras	2008
Chile	2003 – 2007
Guatemala	1989 – 2003
Salvador	1994 (1 month)
Bolivia	1991 (2 months)
Peru	1985 – 1989
Jamaica	1978 - 1980
Surinam	1968 - 1969

13. **Professional experience:**

**Long term assignments:**

<b>Date: from/to</b>	June 2008 - present
<b>Location</b>	Honduras
<b>Company</b>	GTZ International Services (Germany) , CATIE (Costa Rica) y Zamorano (Honduras)
<b>Position</b>	<b>Chief Technical Advisor</b>
<b>Description</b>	EU financed I project dealing with sustainable management of natural resources in the Mesoamerican Biological Corridor in the Honduran Caribbean Coastal Area reinforcing the management of the natural Parks in the area and the interconnecting zones promoting local economic development. (PROCORREDOR)

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<b>Date: from/to</b>	March,2003 – November 2007
<b>Location</b>	Chile
<b>Company</b>	INYPISA – PROATEC (Spain –Italy)
<b>Position</b>	<b>European Co director</b>
<b>Description</b>	EU financed regional project dealing with sustainable management of natural resources, environmental intercultural education and socio-economic development of small farmer's families, primarily belonging to the indigenous people Mapuche. Strengthening the capacity of the municipalities in promoting local economic development. ( <a href="http://www.araucaniatierraviva.cl">www.araucaniatierraviva.cl</a> ).

<b>Date: from/to</b>	1996 -2002
<b>Location</b>	Guatemala
<b>Company</b>	ESAGRI – Integration (Portugal – Germany)
<b>Position</b>	<b>European Co director</b>
<b>Description</b>	EU financed Integrated Rural Development Project in the Department of Alta Verapaz directed at the indigenous Poqomchi. <ul style="list-style-type: none"> <li>• Infrastructure: access roads, bridges, schools, sanitation, markets, agro-industrial infrastructure, etc.</li> <li>• Sustainable agriculture</li> <li>• Reforestation</li> <li>• Promoting organizations at community level and associations of those primary groups with emphasis in sound entrepreneurial practices</li> <li>• Strengthening the planning and execution capacity of the authorities at local level and promotion of the participation of the indigenous communities.</li> <li>• Education (bilingual education, alphabetization and environmental education)</li> <li>• Primary health care</li> <li>• Agricultural production and marketing.</li> <li>• Promoting small industries and handicraft</li> <li>• Establishing a savings and loan system</li> </ul>

<b>Date: from/to</b>	1989 - 1996
<b>Location</b>	Guatemala
<b>Company</b>	Ministry of Agriculture of Guatemala
<b>Position</b>	<b>Counterpart of the national Director of the Master Plan for Irrigation and Drainage</b>
<b>Description</b>	<ul style="list-style-type: none"> <li>• Evaluation of the existing irrigation and drainage projects in Guatemala.</li> <li>• Evaluation at national level of the available natural renewable resources for the implementation of irrigation and drainage projects.</li> <li>• Formulation of the Irrigation and Drainage Master Plan for Guatemala.</li> <li>• Feasibility studies for flood control and agricultural drainage projects.</li> <li>• Organization of courses in agricultural drainage and flood control at post graduate level at the national San Carlos University of Guatemala in cooperation with specialized international institutes (ILRI, Wageningen and IHE, Delft, The Netherlands).</li> <li>• Implementation of small scale irrigation projects for organized farmers in various locations in Guatemala.</li> </ul>

<b>Date: from/to</b>	1985 - 1989
<b>Location</b>	Peru
<b>Company</b>	Dutch International Cooperation (DGIS), NEI
<b>Position</b>	<b>Adjunct director, Consultant in Rural Engineering</b>
<b>Description</b>	Integrated Rural development project in the Department of Cusco financed by the Dutch government and the European Commission. PRODERM: <ul style="list-style-type: none"> <li>• Planning, Design and Execution of rural infrastructural projects; irrigation and drainage, drinking water and sanitation, rural health centers, schools, communal centers, rural markets, etc. with the full participation of the beneficiaries in all phases of the project.</li> <li>• Soil and Water conservation and reforestation</li> <li>• Organization of the indigenous communities involved in the various projects to assure their sustainability.</li> <li>• Training of the beneficiaries of the project in irrigation, drainage, soil conservation and other aspects of sustainable agriculture in the Andes.</li> </ul>

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<b>Date: from/to</b>	1980 - 1985
<b>Location</b>	Egypt
<b>Company</b>	Dutch International Cooperation (DGIS),
<b>Position</b>	<b>Team leader Drainage Advisory Panel Egypt</b>
<b>Description</b>	<ul style="list-style-type: none"> <li>• Organization of the activities of the "Dutch Egyptian Panel for Land drainage", a technical assistance project directed towards the implementation of agricultural drainage systems in the Delta and the Valley of the river Nile financed with World Bank loans.</li> <li>• Assistance to the Egyptian Public Authority for Drainage Projects (EPADP) in the planning, design and execution of their agricultural drainage projects.</li> <li>• Assistance to the Drainage Research Institute (DRI) in the planning and implementation of their research programs, that included the evaluation of the impact of drainage on agricultural production, the development of new drainage materials and equipment, the readjustment of design criteria and the impact of the reuse of drainage water for irrigation.</li> <li>• Organization of courses on land drainage for Egyptian technicians in The Netherlands and in Egypt.</li> </ul>

<b>Date: from/to</b>	1978 - 1980
<b>Location</b>	Jamaica
<b>Company</b>	Dutch International Cooperation (DGIS), National Water Authority de Jamaica (NWA)
<b>Position</b>	<b>Consultant in reutilization of waste water and treatment of water using land treatment.</b> <b>Advisor to the sugar cane cooperatives in the field of irrigation and land drainage.</b> <b>Head of the Groundwater Department of the NWA</b>
<b>Description</b>	<ul style="list-style-type: none"> <li>• Design and construction of a pilot project for the reuse of Kingston's waste water irrigating sugar cane and using infiltration basins over drainage fields.</li> <li>• Design of wastewater treatment plants using different kinds of lagoons</li> <li>• Acting Chief of the Ground Water Department of the National Water Authority, defining locations for new groundwater wells for drinking water.</li> <li>• Assistance to the sugar cane cooperatives in the field of design and implementation of improvements in their irrigation and land drainage systems.</li> </ul>

<b>Date: from/to</b>	1974 - 1977
<b>Location</b>	Iraq
<b>Company</b>	UNESCO – Institute for Applied Research on Natural Resources
<b>Position</b>	<b>Associate expert in Soil and Water Management</b>
<b>Description</b>	<ul style="list-style-type: none"> <li>• Design and construction of a pilot project of 80 ha in the south of Iraq for the implementation of experiments in the field of soil desalinization and irrigation and drainage.</li> <li>• Research in the field of geohydrology, soil desalinization, irrigation and drainage.</li> </ul>

<b>Date: from/to</b>	1971 - 1973
<b>Location</b>	Spain, Canary Islands
<b>Company</b>	UNESCO. Scientific Study of the Water Resources of the Canary Islands
<b>Position</b>	<b>Associate expert in Hydrometry</b>
<b>Description</b>	<ul style="list-style-type: none"> <li>• Installation of hydrometric and meteorological observation stations</li> <li>• Collection, processing and analysis of hydrological and meteorological data</li> <li>• Determination of the water balance of the island of Gran Canaria</li> <li>• Geohydrological reconnaissance study of the island of Fuerteventura</li> <li>• Studies on irrigation efficiency of various crops grown in the Canary Islands</li> </ul>

<b>Date: from/to</b>	1968 - 1969
<b>Location</b>	Surinam
<b>Company</b>	Bureau Landelijke Opbouw, ILACO
<b>Position</b>	<b>Research assistant in agro hydrology</b>
<b>Description</b>	<ul style="list-style-type: none"> <li>• Investigation on the production of bananas and citrus trees under various drainage and irrigation conditions</li> <li>• Design and implementation of new irrigation and drainage systems.</li> </ul>

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## Short term assignments:

<b>Date: from/to</b>	1994 (1 month)
<b>Location</b>	El Salvador
<b>Company</b>	Dutch International Cooperation (DGIS),and HIVOS
<b>Position</b>	<b>Team leader of a mission to evaluate the activities of the NGO CESTA</b>
<b>Description</b>	CESTA develops activities in the field of sustainable agricultural and industrial development, ecological consciousness, organization of ecological groups at community level in urban and rural areas.

<b>Date: from/to</b>	1991 (1 month)
<b>Location</b>	Bolivia
<b>Company</b>	Dutch International Cooperation (DGIS)
<b>Position</b>	<b>Team leader formulation mission rural development project</b>
<b>Description</b>	Formulation of a rural integrated development project for the Department of Potosi to be financed by DGIS. "Minka –Potosi"

<b>Date: from/to</b>	1989 (2 months)
<b>Location</b>	Bolivia
<b>Company</b>	Dutch International Cooperation (DGIS), UNDP
<b>Position</b>	<b>Irrigation consultant in evaluation team</b>
<b>Description</b>	Evaluation of the micro-irrigation projects implemented in the departments of La Paz, Oruro and Potosi financed by different donors, including the European Union, UNDP, USAID and The Netherlands.

<b>Date: from/to</b>	1985 (3 months)
<b>Location</b>	India (Karnal), Rome
<b>Company</b>	FAO
<b>Position</b>	<b>Consultants in subsurface drainage</b>
<b>Description</b>	<ul style="list-style-type: none"><li>• Evaluation of the salinization problems in the state of Haryana caused by drainage problems.</li><li>• Comparison of horizontal and vertical drainage systems.</li><li>• Design a pilot project for the first horizontal subsurface drainage system to be used in India.</li></ul>

<b>Date: from/to</b>	1977 (6 months)
<b>Location</b>	Irak, Germany
<b>Company</b>	Agrar und Hydrotechnik (AHT), Germany
<b>Position</b>	<b>Drainage and Irrigation consultant</b>
<b>Description</b>	Design of the irrigation and drainage system for 20,000 ha of sugarcane in Amara

## 14. Relevant Publications: -

Leif E. Ahlgren and Hubertus J, van der Zel. Procedures for Evaluating the Surface Water Balance of Gran Canaria. Nordic Hydrology 5, 1974, 229 - 246

H.J. van der Zel, J.G. Bruins and R.A. Burgess. Waste Water Re-use for Irrigation of Sugar Cane. The Journal of the Scientific Research Council of Jamaica. Volume 5 Number 1 August 1981

Humberto van der Zel. Riego en la Sierra, la experiencia de PRODERM, Peru. 1989

Humberto van der Zel y Pierre de Zutter. Impactos y aprendizajes de un desarrollo rural con sabor Poqomchí. Experiencias del Proyecto ALA 94/89 en el Departamento de Alta Verapaz, Guatemala. 2003.

## 15. Directions

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