

*Note: A Spanish version of this CV is available as well*

Family name Van der Zee

First name Erik

Date of birth 26 April 1953

Nationality Dutch

Marital status Married, no children

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Education

- MSc. Degree in Geodesy, Delft University of Technology, The Netherlands, 1976
- Participation in post-graduate course Photogrammetry (P1), International Institute for Geo-information Science and Earth Observation ([ITC](http://www.itc.nl)), Enschede, The Netherlands, 1980-1981

Main disciplines Geodesy, photogrammetry, geomatics, geographical information systems, cadaster/ land registration,

Present position Geo-Information Consultant

Professional affiliations

- Member of *Geo-Informatie Nederland* ([GIN](http://www.gin.nl)) (Geo-Information Netherlands)
- Member of the *Ikatan Surveyor Indonesia* (Indonesian Surveyors Association)

Command of languages      Mother tongue      :      Dutch  
Good                              :      English, Bahasa Indonesia, Spanish, French, German

Key fields of expertise      Technical project management, project evaluation and appraisal, training, project planning, GIS, MIS, information technology, geographical databases, remote sensing, database management, land information systems, cadastral systems, geodesy, digital mapping, photogrammetry, land surveying, automated land evaluation

Command of GIS and other software packages      PC ARC/INFO, AutoCAD (applied for mapping), ArcView; working experience with ERDAS, Intergraph, Idrisi and GeoIMAGE. Furthermore, command of ALES (Automated Land Evaluation System), a software package developed by Cornell University, used to define and process decision models for land evaluation.  
  
MS Word, MS FrontPage, MS Excel, MS Access, MS PowerPoint, MS Project, MS Visio and dBase

#### *Employment record*

1998 - present      Independent Geo-Information Consultant

1992-1998      ARCADIS Euroconsult, Arnhem, The Netherlands

1987-1992      ILIS, Arnhem, The Netherlands

1985-1987      Fugro Geodesy B.V., Leidschendam, The Netherlands; 1985-1986: assigned to Somait Engineering Services, Riyadh, Saudi Arabia

1980-1985      International Institute for Geo-information Science and Earth Observation (ITC), Enschede, The Netherlands

1976-1980 Ministry of Foreign Affairs, Directorate-General for International Co-operation, The Hague, The Netherlands

*Professional experience record*

2003 (August) – Marine and Coastal Resources Management Project (MCRMP)  
2005 (June) – Component B: Spatial data and information management,  
Indonesia Ministry of Marine Affairs and Fisheries, Jakarta

Team Leader/ GIS-Survey Expert. Main activities refer to surveys & mapping, GIS development and implementation to support coastal planning and management, information technology, spatial data infrastructure and National Biodiversity Information Network (NBIN). Daily management of office and Consultants team (5 international, 11 domestic) spread over 6 offices. Technical involvement in base and thematic data surveys; spatial database design and development; GIS development and implementation to support coastal planning and management; development of spatial data infrastructure; and development and implementation of data and metadata standards.

Preparation of additional activities to do coastal zonation for disaster-affected areas in Aceh. Involvement in coordination of spatial data and information to support rehabilitation and reconstruction activities, including two visits to Aceh to coordinate with BAPPEDA, provincial marine affairs and fisheries office and other spatial data producers and users, and with BRR (Agency for Rehabilitation and Reconstruction of Aceh)

Financing agency: ADB

2004 (September) Evaluation of proposals for Special training courses in Drilling  
[Bhutan, Peru] Engineering Techniques, GIS/RS and Geochemical Laboratory Analysis / Environmental Atlas for the City of Lima; Nuffic, The Netherlands

Chairman of Technical Evaluation Committee. Evaluation of proposals for two tailor-made training projects and recommendation for selection of best bidder.

- 2003 (July)  
Indonesia
- Development of Forest Management Information System, Sinar Mas Group, Perawang.
- GIS and mapping specialist. Development and implementation of methodology and procedures for the processing of digital aerial imagery to create a geographical base for forest GIS. Design and development of forest management information system.
- Financing by: Sinar Mas Group
- 2003 (Feb, Mar)  
Indonesia
- Preparation of project plan for the spatial information component of the Marine and Coastal Resources Management and Planning Project
- GIS Specialist and proposed team leader. Development of a project implementation plan for the design, development and implementation of a spatial information system, including GIS, spatial data infrastructure, data standards, website development, training and procurement of equipment; to be implemented for the Ministry of Marine Affairs and Fisheries, through the National Agency for Surveys and Mapping and the Indonesian Institute of Sciences.
- 2001 (Sep-Dec,  
Apr-Jun)  
Indonesia
- Coastal Community Development and Fisheries Resource Management Project (CO-FISH); Ministry of Marine Affairs and Fisheries, Jakarta
- GIS Specialist/ Task Manager. Assistance with acquisition of computer systems for GIS. Design and development of GIS applications for 6 pilot projects: 5 at district level and one at national level. The applications refer to planning and management of fisheries resources, and visual presentation of statistical fisheries data. Development of technical manual to develop the mentioned applications (in ARC/INFO and ArcView). Acquisition of data and preparation of training programmes.
- Financing agency: ADB

- 2001 (Feb, Mar, Aug)  
Pakistan
- Second Flood Protection Sector Project; Federal Flood Commission, Lahore
- GIS/ Remote Sensing Specialist. Design of, and selection of supplier for, networked computer system to serve all project components. Selection of remotely sensed imagery, and design and development of GIS in ARC/INFO and ArcView to support flood protection works spread over Pakistan. Flood protection works include area selection, mathematical modelling, environmental studies, design and construction of civil works, maintenance and operation, and monitoring. Furthermore, design of a training programme in GIS/RS for staff of the Provincial Irrigation and Drainage Authorities.
- Financing agency: ADB
- 2001 (Jul)  
Pakistan
- National Drainage Programme (NDP); Water and Power Development Authority, Lahore, Pakistan
- Environmental Information Systems Specialist. Provision of a framework (institutional and technical) for the development and implementation of an MIS for the water sector environment. The main components will consist of GIS, remote sensing and computer modelling.
- Financing agency: ADB
- 2000 (Nov, Dec)  
Bangladesh
- Silk Development Project; Bangladesh Silk Foundation (BSF), Dhaka
- MIS & Supervision Specialist. Determination of physical and financial performance indicators and information analysis to define the data required. Design of management information system (MIS) to monitor and evaluate the progress of the Project and, simultaneously and on longer term, the BSF activities, based on the performance indicators. Preparation of protocols for the collection of data to be entered in the MIS.
- Financing agency: Worldbank
- 2000 (Sep, Oct)  
Indonesia
- East Indonesia Airports Project; Ministry of Communications, D.G. of Air Communications, Jakarta
- Chief Topographic Surveyor. Calculation and adjustment of survey data obtained from topographic survey for the revision/ construction of the airports of Sorong, Pontianak and Samarinda. Supervision of topographic mapping in close consultation with the airport designers. Reporting on all survey activities.
- Financing agency: French Government

- 1999 – 2000 (Oct 99 – Jun 00)  
1998 (Jun-Sep)  
Indonesia
- SACDP, Segara Anakan Conservation and Development Project; BANGDA, Regional Planning Office, Cilacap.
- GIS and Remote Sensing Specialist. Development and implementation of a geographic information system as part of a management system for the Segara Anakan Lagoon. Definition of database contents in consultation with the other specialists involved in the project. Development of methods to collect and integrate data from a variety of data sources, including maps, satellite images and aerial photography. On-the-job training in the use of GIS (AutoCAD, ARC/INFO, ArcView) and remote sensing/ photogrammetry (ERDAS), in support of the management system.
- Financing agency: ADB
- 2000 (Feb)  
India
- Geo-information Systems Applications for natural Resources Development and Environmental Planning and Management; IIRS, Dehradun.
- Project evaluator and appraiser. Evaluation of the current project and appraisal of proposed second phase “Geoinformatics for Environmental Assessment and Disaster Management”. Both project phases aim at strengthening and upgrading of the Indian Institute of Remote Sensing (IIRS) in Dehradun. Evaluation and appraisal of training, research and consulting activities, and of the related human, material and financial resources.
- Financing agency: Dutch Government
- 1998 – 1999 (Sep 98 – Oct 99)  
Indonesia
- SATTIN, Remote Sensing Technology Application for Natural Resources Management; Ministry of Transmigration and Forest Squatters Resettlement, Jakarta.
- Team leader / GIS & Remote Sensing Specialist. Introduction of GIS and remote sensing technology for the selection of new, and monitoring of existing, transmigration areas. Information analysis based on existing transmigration procedures. Development and implementation of methodology and procedures for data and image processing and data analysis to support the selection and monitoring of transmigration areas. On-the-job training in system development and the use of software for land evaluation (ALES), remote sensing (GEOimage) and GIS (AutoCAD, ARC/INFO, ArcView).
- Financing agency: French Government

- 1999 (Jun)  
Bolivia
- CLAS, Centre for Aerospace Survey and GIS Applications Project; Universidad Mayor de San Simón, Cochabamba.
- Project evaluator and appraiser. Evaluation of first project phase and appraisal of proposed second phase. CLAS aims at providing education and training to mid-career professionals in subjects related to land and water management, with emphasis on the application of remote sensing and GIS to collect, analyse and present data suitable for decision-making purposes.
- Financing agency: Dutch Government
- 1997-1998 (Sep 97 – Apr 98)  
1995-1996 (Jul 95 – Dec 96)  
Indonesia
- LREP-II/Puslittanak, Second Land Resource Evaluation and Planning Project.
- Information System Specialist. Improvement of the information system of the Centre for Soils and Agroclimatic Research (Puslittanak). Emphasis on data collection and management, and integration of existing soil databases. Design, development and implementation of data conversion and data processing software and procedures related to soil databases, automated land evaluation system (ALES) and GIS (ARC/INFO). Image analysis with IDRISI. Presentation of information with ArcView. Implementation of catalogue for geo-referenced materials existing in the Centre. On-the-job training in soil data processing for land evaluation.
- All in support of providing soil data and land evaluation results for fiscal planning at semi-detailed level, in 18 provinces.
- Financing agency: ADB
- 1997 (Apr-Jun)  
The Netherlands
- Heidemij (now ARCADIS), Business Unit Geo-Information, Arnhem
- Detached employee. Two-months assignment to ARCADIS head office to get acquainted with the latest developments in MIS/ GIS applications (urban management, water board management, rural planning, property taxation, environmental impact studies), Internet based GIS, digital topographic database production, map updating, GPS, virtual reality applications for rural planning, quality management, computerised field surveys.
- Financing agency: ARCADIS Euroconsult

- 1997 (Jun-Aug)  
Indonesia
- MREP, Marine Resource Evaluation and Planning Project,  
Bakosurtanal
- Training Specialist. Feasibility study for the development of a Simulation Model for Coastal Zone Management Training to be included in an intensive training program for decision-makers. Preparation of the outlines and design criteria for the simulation model based on existing spatial decision support systems; identification of the required resources (manpower, equipment and materials); and proposal for the outline of a training programme.
- Financing agency: ADB
- 1992-1995 (Jul 92 – May 95)  
Indonesia
- LREP-II/Bakosurtanal, Second Land Resource Evaluation and Planning Project
- Technical Team Leader / Information System Specialist. Co-ordination of the Geographic Land Resource Information System, design and development of a Map Catalogue and computer networking between central and provincial agencies. Design of planning and monitoring system for production of topographic database. All in support of the establishment of a computerised system for fiscal planning at semi-detailed and province wide level, in 18 provinces.
- Preparation of specifications for the procurement of computer equipment and peripherals for all four LREP-II components (approx. US\$ 12 million). Participation in the design and implementation of system for project monitoring and evaluation.
- Financing agency: ADB
- 1992 (May)  
Indonesia  
Philippines
- MREP, Marine Resource Evaluation and Planning Project
- Information System Specialist. Participation in ADB Fact-finding Mission on MREP. Main activities were to review the GIS and computer components, both technically and financially, and elaboration of the training programme.
- Financing agency: ADB
- 1992 (Jan-Feb)  
Rumania
- Master plan for establishment of a rural cadastre for Rumania.
- Cadastral Information Specialist. Feasibility study for the design and implementation of a rural cadastral system for Rumania. Contributions in the fields of land information systems, surveying and photogrammetry.
- Financing agency: EU

1991(Aug, Nov, Dec) India	MITP, Maharashtra Induction Training Programme Land Information Training Specialist. Development and monitoring of training programmes and manuals in the fields of land surveying, aerial photography, photogrammetry, remote sensing, GIS, and data communication, to be included in the curricula of the Water and Land Management (training) Institute (WALMI) of Maharashtra State. Financing agency: Dutch Government
1991 (Oct) Indonesia	LREP-II, Second Land Resource Evaluation and Planning Project Information System Specialist. Preparation of proposal for LREP-II - Geographic Land Resource Information System Component to be implemented at Bakosurtanal. Financing agency: ARCADIS Euroconsult
1991 (Mar, Apr) Turkey	GAP, Anatolia Land Development Project GIS Specialist. Installation of hardware and software (Intergraph). Design and development of a GIS for a land consolidation project in the Harran Plain area, in the south of Turkey. Creation of geographical database based on 1:5,000 cadastral maps with help of Intergraph system. Development and implementation of input (digitising), data processing and output procedures. On-the-job training of local staff. Financing agency: Turkish Government
1991 (May) The Netherlands	Cadastral Information Specialist. Preparation of proposal for the design, development and implementation of a multipurpose cadastral system for the capital city of La Paz, Bolivia. Financing agency: ARCADIS Euroconsult
1991-1992 (Jun 91 – Jun 92) The Netherlands	Cadastral Information Specialist. Contribution to several cadastral projects in preparation or execution. Financing agency: ARCADIS Euroconsult

- 1987-1991 (Jun 87 – May 91)  
Bolivia
- Rehabilitation and strengthening of the cadastre of the capital city of La Paz.
- Project Director / Cadastral Information System Specialist. Planning, management and co-ordination of the project. Procurement of hardware and software. Technical assistance with taking of aerial photography of the city. Design and implementation of information system for registration of property ownership; determination of land tax to be paid; design and implementation of procedures for checking if land tax had been paid correctly. Involvement in the design and implementation of procedures for the collection of back taxes. Integration of data from municipal, tax office and other sources. All in close co-operation with other municipal departments and the tax office. On-the-job training in the use of the computerised system for the verification and collection of property taxes.
- Financing agencies: Dutch Government and Interamerican Development Bank
- 1990 (Sep)  
Ecuador
- Contribution to Master Plan on cadastral activities at national level in Ecuador.
- Financing agency: ARCADIS Euroconsult
- 1989 (Apr)  
The Netherlands
- Geographical Information System for the city of Medellín and surroundings, Colombia
- Study of the present situation and preparation of proposal for establishing a geographical information system.
- Financing agency: ARCADIS Euroconsult
- 1987 (Apr, May)  
The Netherlands
- Supervision of preparatory work for projects related to information on land use, cadastral systems, and map production.
- Financing agency: ARCADIS Euroconsult
- 1986-1987 (Dec 86 – Mar 87)  
The Netherlands
- Consultancy on the implementation of land information systems for urban management in Dutch municipalities. Compilation of quality assurance manual for photogrammetric projects.
- Financing agency: Dutch Municipalities

- 1985-1986 (May 85 – Nov 86)  
Saudi Arabia
- National Cadastre and Land Information System  
Land information specialist. Contribution to the preparation of master plan for National Cadastre. Design of procedures for surveying, mapping, and registration of owners and properties. Implementation of pilot land information system, consisting of automated survey equipment and GIS (IGOS, now NedGraphics).  
Financing agency: Government of Saudi Arabia
- 1980-1985 (May 80 – Apr 85)  
The Netherlands
- Lecturer at post-graduate level in land surveying, land registration and photogrammetry for English and French speaking students.  
Co-ordination of ITC activities on education, training and research with regards to geographical information systems (GIS). The latter has resulted in ILWIS. Curriculum development for GIS courses: urban, rural and cadastral GIS applications. Participation in multidisciplinary research projects with Dutch universities, on the application of geoinformatics and remote sensing for natural resources development and integrated surveys.  
Guidance of MSc. students. Assistance with exercises on the use of photogrammetric instruments, photogrammetric computations (aerotriangulation), digital mapping and GIS (Intergraph). Design of systems for urban information and cadastral registration. Development of application software. Design of, and assistance with, digital mapping exercises.  
Financing agency: Dutch Government
- 1976-1980 (Dec 76 – Apr 80)  
Indonesia
- Establishment of Mapping Centre within the Ministry of Public Works, Jakarta  
Associated Expert in geodesy and photogrammetry. Implementation of procedures for land surveying and photogrammetric mapping. Computer assisted aerotriangulation. Development and implementation of software for processing of land survey data and for photogrammetric mapping (Fortran, pocket computers). Regular co-ordination visits to Bakosurtanal, PPFK and ITB. On-the-job staff training in land surveying and photogrammetry.  
Financing agency: Dutch Government