

Name of Firm: ACER (Africa) Environmental Consultants

Name of Staff: Rolf-Dieter Heinsohn

Profession: Environmental Consultant

Date of Birth: 18 November 1961

Nationality: South African

Membership in Professional Societies

- South African Association of Botanists
- International Association of Impact Assessment (South African Chapter)
- South African Institute of Ecologists and Environmental Scientists
- Certified Environmental Practitioner with the Interim Certification Board of South Africa
- Registered with the South African Council for Natural Scientific Professions (400442/04)

Key Experience

Dr Dieter Heinsohn originally trained as a plant physiologist. He then became interested in ethnobotany in which he undertook research assignments. This paved the way to environmental management, in which he has 26 years' experience in South Africa and SADC countries (Lesotho, Botswana, Swaziland, Zimbabwe and Mozambique). He has undertaken numerous environmental and social assessments across a range of sectors (agriculture, including irrigation), bulk water (including dams and associated infrastructure), industry, transport, ports, energy, residential, tourism, and protected areas management and conservation. His role in the many and varied assignments successfully completed has ranged from project manager, team leader, environmental assessment practitioner, preparing environmental management plans, specialist, internal and external reviewer, to team member, each role having different responsibilities and levels of accountability.

Dieter Heinsohn has undertaken numerous assignments in accordance with international normative frameworks (for example, of the World Bank Group) and is well-versed in their content and application. Some recent assignments include: Sasol On- and Off-shore gas exploration in Mozambique (Damage Compensation and Resettlement) (2001 - Current), Olifants River Water Resources Development Project – Environmental Impact Assessment: Limpopo Province, RSA: Co-Team Leader (2004-2007); Gamma-Grassridge 765 kV Transmission Lines (x2) – Environmental Impact Assessment: Northern, Western and Eastern Cape Provinces, RSA: Project Manager (2006-2009); Environmental Services to the iSimangaliso Wetland Park Authority: KwaZulu-Natal, RSA (Ongoing); Groot Letaba River Water Development Project, Resources, Limpopo Province, RSA: External Reviewer (Environmental Aspects) (2008-2009); and Semonkong Water Supply Project, Lesotho: External Reviewer (Environmental Aspects) (2011).

He has also contributed to the SADC Sustainable Major Water Infrastructure Development: Training Manual I: Environmental Management Plans, SADC and East African Community: Trainer and SADC Sustainable Major Water Infrastructure Development: Training Manual II: Selected Economic and Social aspects, SADC and East African Community; Training Manual Review Inputs and Trainer. In 2012 Dieter Heinsohn was contracted by GIZ to develop a Training Manual: Dealing with Social Aspects for application in the Mekong countries as part of Sustainable Hydropower Development in the Mekong Region (a joint initiative and network between the Mekong River Commission and GIZ).

Dieter Heinsohn contributed to the review of the International Finance Corporation's *Handbook for Preparing a Resettlement Plan* and, more recently, he was contributing author to the *UNEP: Dams and Development Project: Compendium of Relevant Practice*, covering Social Impact Assessment, also contributing to drafting the Compendium itself. Dieter Heinsohn has been Project Manager of five award-winning projects: Thukhela Water Project (x2), Hillside Aluminium Expansion Project, and the Sasol Natural Gas Project (Resettlement Aspects in Mozambique) (x2).

He is currently a short-term expert to the Lesotho Highland Development Authority's Programme Management Unit for the Lesotho Highlands Phase 2 project.

Dieter Heinsohn has been Managing Director of ACER since its inception and in 2001 he was elected Chief Executive of MBB Services International (MSI), ACER's parent company. The balance of the services provided by MSI comprise engineering and the operation and maintenance of bulk water infrastructure, including small hydro power stations. He remains Chief Executive to the present.

Education

University

- 1987 - 1991** : Part-time PhD student at the University of Natal, Durban. Completed December 1991. Degree awarded March 1992
Supervisor: Prof N W Pammenter
- 1984 - 1986** : Full-time MSc student at the University of Natal Durban. Converted to PhD
Supervisor: Prof N W Pammenter
- 1983** : University of Natal, Durban. Completed a BSc (Honours) - *Cum Laude* in Plant Physiology and Plant Growth and Development
Supervisors: Prof N W Pammenter, Dr G Campbell & Dr M Smith
- 1980 - 1982** : University of Natal, Pietermaritzburg - obtaining a BSc with major subjects Botany and Microbiology

Matriculated

- 1979** : Westville Boys' High School, Durban, South Africa. Aggregate: A

Other Training

- 1994** : Social Impact Assessment. IAIA – SA (TVL), CN Taylor and M-J Rivers, Taylor, Baines & Associates (New Zealand)
- 1994** : Social Impact Assessment (Advanced). IAIA – SA (TVL), CN Taylor and M-J Rivers, Taylor, Baines & Associates (New Zealand)
- 1997** : Microsoft Projects training.

Dieter Heinsohn has and continues to attend various workshops and short courses on a variety of subjects, many dealing with management aspects.

Employment Record

- Present** : **Agricultural, Community, Environmental and Rural Development Consultants (Pty) Ltd**
t/a ACER (Africa) Environmental Consultants
Managing Director
ACER is based in Mtunzini, KwaZulu-Natal, with assignments carried out in various locations on the eastern seaboard of Southern Africa, from Cape Town (South Africa) in the south to Pemba (Mozambique) in the north
In July 2001, elected Chief Executive Officer of MBB Services International (Pty) Limited, parent company of ACER
- 1991** : Research Fellow, Institute of Natural Resources, University of Natal, Pietermaritzburg
The assignment was carried out on the Makatini Flats, at St Lucia Estuary and at Kosi Bay, northern KwaZulu-Natal
- 1990** : National Service for SADF. 2nd Lieutenant South African Medical Services. Seconded to the Department of Development Aid to continue research under the auspices of the Institute of Natural Resources (northern KwaZulu-Natal)
- 1988 - 1990** : Research Fellow, Institute of Natural Resources, University of Natal, Pietermaritzburg
The assignment was carried out on the Makatini Flats, St Lucia Estuary and Kosi Bay, northern KwaZulu-Natal
- 1984 - 1987** : Farm Manager, Mount Sheba Nature Reserve, Pilgrims Rest
- 1983** : Chemistry Teacher (Part time). Cambridge College, Durban

Relevant Experience

26 years' experience in:

- Environmental Impact Assessment
- Social Impact Assessment
- Monitoring and Evaluation
- Management of Public Participation Programmes
- Resettlement Planning and Implementation
- Project Management

Key Projects

- 2016/17/18** Project Co-ordinator: National Route N3 – Upgrade and Expansion between Durban and Pietermaritzburg, South Africa. Environmental authorisation process for approximately 60 km of national highway [Project Management; Environmental Impact Assessment].
- 2015/16/17** iSimangaliso Wetland Park: Restoration of the Lake St Lucia System, KwaZulu-Natal, South Africa. Environmental Assessment Practitioner [Environmental Impact Assessment].
- 2015/16/17/18** Project Leader: Eskom Isundu Sub-Station and Associated Transmission Lines (400 and 765 kV). Environmental Impact Assessment [Project Management; Environmental Impact Assessment; Management of Public Participation Programmes].
- 2014/15/16/17/18** Lesotho Highlands Water Project Phase 2. Project Management Unit - Short Term Expert [Environmental and Social Impact Assessment].
- 2014/15/16/17** Environmental Representative: Hydro-SA: The Development of Three Run-of-River Hydro Power Stations on the Orange River, South Africa [Environmental Impact Assessment].
- 2016/17** Project Manager: Sasol Natural Gas Project, Mozambique. Infill Well Pads. Resettlement Reconnaissance and Damage Compensation [Resettlement Planning and Implementation; Project Management].
- 2016** Project Manager: Sasol Mining (Pty) Ltd: Inhassoro 2D & 3D Seismic Exploration, Mozambique. [Resettlement Planning and Implementation; Project Management].
- 2015** Project Manager: Sasol Mining (Pty) Ltd: ROMPCO Loop Line 2 Project, Mozambique. [Resettlement Planning and Implementation; Project Management].
- 2015** Project Manager: Sasol Mining (Pty) Ltd: Area A Well Drilling, Mozambique. [Resettlement Planning and Implementation; Project Management].
- 2015** Project Manager: Sasol Mining (Pty) Ltd: PSA Development and LGP Project, Mozambique. [Resettlement Planning and Implementation; Project Management].

2014/15	Riemvasmaak Hydro Power Station, Orange River, South Africa. Project Leader – Social and Tourism Specialist Study [Social Impact Assessment].
2012/13	Project Co-ordinator: National Route N3 – Upgrade and Expansion between Durban and Pietermaritzburg, South Africa. Environmental authorisation process for approximately 60 km of national highway [Project Management; Environmental Impact Assessment].
2012/13	Project Manager: Sasol Natural Gas Project, Mozambique. Block A Onshore Seismic Exploration and Sofala Offshore Seismic Exploration. Damage Compensation. Sasol, South Africa [Resettlement Planning and Implementation; Project Management].
2012	GIZ. Hydropower and Water Infrastructure Training Manual: Dealing with Social Aspects. Network for Sustainable Hydropower Development in the Mekong Countries [Social Impact Assessment, Public Participation, Resettlement Planning and Implementation].
2012	Project Manager: Sasol Natural Gas Project, Mozambique. Offshore Seismic Exploration and Well Drilling, Damage Compensation. Sasol, South Africa [Resettlement Planning and Implementation; Project Management].
2011	Project Manager: Mozambique Coal Export Initiative. Environmental fatal flaw assessment for a proposed new port near Quelimane and rail link to Moatize [Project Management, Environmental Assessment].
2011	Project Manager: Social Impact Assessment of ancillary infrastructure to supply services to the proposed Zulti South Mine, KwaZulu-Natal, South Africa [Project Management, Social Impact Assessment].
2010	Project Manager: Sasol Natural Gas Project, Mozambique. Gas Fired Power Station near Ressano Garcia. Damage Compensation. Sasol, South Africa [Resettlement Planning and Implementation; Project Management].
2010/11	Project Leader: Eskom Venus Sigma Hector Ariadne 765/400 kV Transmission Line and Sigma 765 kV Sub-Station. Environmental Impact Assessment [Project Management; Environmental Impact Assessment; Management of Public Participation Programmes].
2010/11	Project Manager: Thukela Hydro Electric Power Schemes: Environmental Impact Assessment for two Run-of-the-River Hydro Power Stations on the lower reaches of the Thukela River. Mulilo Renewable Energy [Project Management, Environmental Impact Assessment, Public Participation].
2009/10	Project Leader: Eskom Majuba Venus 765 kV Transmission Line. Environmental Impact Assessment [Project Management; Environmental Impact Assessment; Management of Public Participation Programmes].
2009/10	Project Manager: Transnet New Multi-Products Pipeline: Proposed Electrical Infrastructure for Pump Stations 1, 3, and 5 [Project Management and Environmental Impact Assessment] and Inland Terminal 2 [Project Management and Basic Assessment].
2009/10	Project Manager: Sasol Natural Gas Project, Mozambique. Onshore Seismic Exploration Damage Compensation. Sasol, South Africa [Resettlement Planning and Implementation; Project Management].
2009 - present	iSimangaliso Wetland Park: involvement in the assessment of various developments within the Park [Project Management].
2009/10/11	InWent: Water Infrastructure Training for SADC Officials [Social Impact Assessment and Public Participation].
2008/9	Project Manager. Port of Richards Bay. FEL 1 and 2 Studies Examining Port Expansion Options (Phase 2, 3 and 3+) involving the Detailed Screening of Port Development Options/Scenarios. HMG JV on behalf of Transnet [Feasibility Study, Project Management].
2008/9	Project Manager. Port of Richards Bay. Port to Nsezi Railway Line – Environmental and Technical Scoping. HMG JV on behalf of Transnet [Feasibility Study, Project Management].
2008/9	Project Manager: Port of Richards Bay. Geotechnical Survey of the Port of Richards Bay - Environmental authorisation process including the compilation of five Basic Assessment Reports, commissioning of specialists and correspondence to authorities and Interested and Affected Parties [Project Management, Environmental Impact Assessment, Public Participation].

- 2008/9** Project Manager. Port of Richards Bay. Interim Relief Measures (Relocation of the Phosphoric Acid Line, Modifications to the Ship Repair Berth and Extension to the 700 Series Multi-Purpose Terminal Quay Wall). HMG JV on behalf of Transnet [Feasibility Study, Project Management].
- 2008/9** Project Manager. Port of Richards Bay. Environmental Pre-Feasibility Study into an Offshore Container Terminal in the Port Durnford Area. HMG JV on behalf of Transnet [Pre-Feasibility Study, Project Management].
- 2007/8/9** Project Manager. Port of Richards Bay. Technical Investigations and Scoping for a new Container Terminal and Expanded Multi-Purpose Terminal. HMG JV on behalf of Transnet [Feasibility Study, Project Management, Environmental Impact Assessment].
- 2007/8** Project Manager: Public Consultation Process for the Closure of Hillendale Mine, KwaZulu-Natal, South Africa. Exxarro Resources [Project Management; Management of Public Participation Programmes].
- 2006/7/8** Project Manager: Sheffield Estate. Proposed Residential Development at Sheffield Beach [Project Management; Environmental Impact Assessment; Management of Public Participation Programmes].
- 2006/7/8/9** Project Manager: Woodmead Estate. Proposed Residential Development at Shakaskraal [Project Management; Environmental Impact Assessment; Management of Public Participation Programmes].
- 2006/7/8/9** Project Leader: Eskom Gamma-Grassridge 765 kV Transmission Line and Gamma Sub-Station. Environmental Impact Assessment [Project Management; Environmental Impact Assessment; Management of Public Participation Programmes].
- 2002-2009** Project Management and Specialist Input on many and various projects within the Wetland Park such as Beach Driving and Beach Driving Technical Update; Infrastructure Development; Investment Sites; Buffer Zone Management; Tourism Study, etc. [Project Management].
- 2006/7/8/9** Project Manager: Sasol Natural Gas Project, Mozambique. Offshore Exploration Damage Compensation. Sasol, South Africa [Resettlement Planning and Implementation; Project Management].
- 2005/6** United Nations Environment Programme: Dams and Development Project. Compile Social Impact Assessment Report "UNEP DDP Compendium – Social Impact Assessment" [Social Impact Assessment].
- 2004/5/6/7** Co-Team Leader for the Olifants River Water Resource Development Project Environmental Impact Assessment Module - Screening Phase [Environmental Impact Assessment; Project Management].
- 2003/4** Project Director for Communications Support provided to Ticor-South Africa, KwaZulu-Natal, South Africa [Project Management].
- 2002/3/4/6/7** Project Manager: Sasol Natural Gas Project, Mozambique. Damage Compensation and Resettlement. Sasol, South Africa [Resettlement Planning and Implementation; Project Management].
- 2002** Team Leader: Public Participation Programme for the Decision Support Phase of the Thukela Water Project, KwaZulu-Natal, South Africa. Department of Water Affairs & Forestry, South Africa [Management of Public Participation Programmes].
- 2002** Project Manager: Beluluane Industrial Park Environmental Update Analysis, Maputo Province, Mozambique. Centre for Investment Promotion, Mozambique [Environmental Impact Assessment; Project Management].
- 2002** External Reviewer: Environmental Impact Assessment for the proposed raw water pipeline from the Thukela River to Fairbreeze Mine, KwaZulu-Natal. Mhlathuze Water, South Africa [Environmental Impact Assessment].
- 2001** Socio-economic Specialist for the Four District Centres Water Supply and Sanitation Study, Mozambique. Department of Water Affairs, Mozambique [Social Impact Assessment].
- 2001** Supervision of staff on the Sasol Gas Fields Public Health and Social Pathology Specialist Study, Inhambane Province, Mozambique. Sasol, South Africa [Social Impact Assessment; Project Management].

- 2000** Project Manager for the Social Impact Assessment for the proposed development of the Murowa Mine, Zvishavane District, Zimbabwe. Rio Tinto, Zimbabwe and England [Social Impact Assessment; Resettlement Planning and Implementation; Project Management].
- 2000** Project Manager for the Public Involvement Programme and Social Impact Assessment for the proposed expansion to the Hillside Aluminium Smelter, Richards Bay, KwaZulu-Natal. Billiton, South Africa [Management of Public Participation Programmes; Social Impact Assessment].
- 1999 – 2002** Project Leader: Monitoring and Evaluation of people affected by resettlement due to the establishment of the MOZAL Aluminium Smelter. Mozal Community Development Trust, Mozambique [Monitoring and Evaluation; Project Management].
- 1999** Project Leader overseeing resettlement action plan for Maragra Commercial, Maragra Sugar. International Finance Corporation, Washington D.C. United States of America [Resettlement Planning and Implementation; Project Management].
- 1998** Team Leader for the Social Impact Assessment for the proposed MOZAL Aluminium Smelter, Maputo, Mozambique. Billiton, South Africa [Social Impact Assessment].
- 1998** Project Leader for the N3 Toll Road Public Involvement Programme and Social and Socio-economic assessment. N3 Toll Concession Limited, South Africa [Management of Public Participation Programmes; Social Impact Assessment; Project Management].
- 1998** Project Leader: Environmental Impact Assessment for the proposed expansion of Komati Sugar Mill, Mpumalanga, South Africa. Transvaal Sugar Limited, South Africa [Environmental Impact Assessment; Project Management].
- 1998** Project Director: Environmental Impact Assessment for the proposed Mdluli Hilton Lodge, Mpumalanga, South Africa. Team Development Concepts (Pty) Limited and Hilton Hotels [Environmental Impact Assessment; Project Management].
- 1998** Project Director: Social Impact Assessment for the proposed Sun International Hotel development, Livingstone, Zambia. CSIR, South Africa [Social Impact Assessment].
- 1997 - 2000** Overseeing project staff conducting the resettlement action plan in the Beluluane Industrial Park, Mozal Aluminium Smelter, Mozambique. Billiton, South Africa [Resettlement Planning and Implementation; Project Management].
- 1997 - 2000** Team Leader: Public Participation Programme for the Feasibility Phase of the Thukela Water Project, KwaZulu-Natal. Department of Water Affairs & Forestry, South Africa [Management of Public Participation Programmes].
- 1997** Project Leader to report on investigation into Land Reform in South Africa for the Natal Agricultural Union. Development Bank of Southern Africa [Project Management].
- 1997** Project Leader for the Agricultural Appraisal Report for the Lubombo Spatial Development Initiative for the South African Department of Transport [Project Management].
- 1997** Project Leader in charge of the resettlement of farm labourers from the basin of the Qedusizi Dam for the Department of Land Affairs and the Department of Water Affairs and Forestry, South Africa [Resettlement Planning and Implementation; Project Management].
- 1997** Team Leader: Social Impact Assessment for the proposed Iscor Heavy Minerals Smelter, Empangeni, KwaZulu-Natal. Iscor Heavy Minerals, South Africa [Social Impact Assessment].
- 1997** Facilitation of development of multiple resource utilisation strategy for Mondi Forests, South Africa [Project Management].
- 1997** Team Leader: Agricultural component of the Lubombo Spatial Development Initiative, South Africa and Swaziland. South African Department of Transport [Project Management].
- 1997** Project Leader for the Monitoring and Evaluation of three Presidential Lead Projects (water supply and sanitation). Department of Water Affairs & Forestry, South Africa [Monitoring and Evaluation].
- 1997** Project Leader to establish a Public Involvement Network to support proposed mining initiatives for Iscor Heavy Minerals, South Africa [Management of Public Participation Programmes].

- 1996** Team Leader: Social and institutional evaluation of 13 primary water projects as part of an extensive and intensive external evaluation of the Mvula Trust and its activities. Mvula Trust, South Africa [Monitoring and Evaluation].
- 1996** Team Leader: Social Impact Assessment for downstream impacts for the Mount Pleasant Dam, KwaZulu-Natal. Department of Water Affairs & Forestry, South Africa [Social Impact Assessment].
- 1994 - 1998** Social Impact Assessment and impact monitoring for the upgrading of Witvlag Road to black-top standards. Development Bank of Southern Africa [Social Impact Assessment; Monitoring and Evaluation].
- 1994 - 1997** Project Leader for the Nkomazi Irrigation Expansion Programme Initial environmental assessment of Sibange, Luggedlane and Walda Weirs in Mpumalanga, South Africa. Eastern Transvaal Department of Agriculture, South Africa [Environmental Impact Assessment].
- 1993 - 1996** Project Co-ordinator for the Public Involvement Programme (Reconnaissance and Pre-feasibility studies) for the Thukela Water Project, KwaZulu-Natal. Department of Water Affairs and Forestry, South Africa [Management of Public Participation Programmes].
- 1993 – 1996** Team Leader: Reconnaissance and Pre-feasibility Social Assessments of the Thukela Water Project, KwaZulu-Natal. Department of Water Affairs & Forestry, South Africa [Social Impact Assessment].

Languages

Language	Reading	Speaking	Writing
English	Excellent	Excellent	Excellent
Afrikaans	Excellent	Excellent	Excellent
German	Good	Good	Fair

Referees

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Publications

Tapela BN, Matete ME and Heinsohn D. A Training Manual on Selected Economic and Social Aspects of Large Water Infrastructure, for the Sustainable Major Water Infrastructure Development Programme in Eastern and Southern Africa. SADC, EAC, UNEP, InWEnt. 2009. [Contributing Author].

Heinsohn, R-D (2012). Network for Sustainable Hydropower Development in the Mekong Countries (NSHD-M). Training Manual (Generic): Dealing with Social Aspects. GIZ, MRC. [Principle Author].

United Nations Environment Programme. Dams and Development Project. Compendium on Relevant Practices. Social Impact Assessment of Affected People. Extended Executive Summary. Prepared for UNEP: DDP, Nairobi, Kenya. February 2007. [Principle Author].

United Nations Environment Programme. Dams and Development Project. Compendium on Relevant Practices. Social Impact Assessment of Affected People. Prepared for UNEP: DDP, Nairobi, Kenya. February 2007. [Principle Author].

United Nations Environment Programme. Dams and Development. Relevant Practices for Improved Decision-Making. A Compendium on Relevant Practices for Improved Decision Making of Dams and their Alternatives. UNEP-DDP Secretariat. August 2007. [Contributing Author].

SADC Training Manual 2 - Sustainable Major Water Infrastructure Development. Training Manual 2: Selected Economic and Social Aspects of Major Water Infrastructure. December 2009. [Contributing Author].

Dr Dieter Heinsohn has authored or co-authored more than 150 reports for different projects over the past 26 years. These include: Scoping Reports, Environmental Impact Assessment Reports, Specialist Reports, Resettlement Action Plans, External Review Reports and Public Participation Reports. A complete list can be provided on request.

A handwritten signature in black ink that reads "D. Heinsohn". The signature is written in a cursive style with a large initial "D" and a clear, legible name.

Dr R-D Heinsohn