

CURRICULUM VITAE

1. FAMILY NAME: Privat-Dozent Dr. Dr. habil. Buch
3. DATE OF BIRTH: 26 June 1958

2. FIRST NAMES: Manfred W.
4. NATIONALITY: German

5. EDUCATION:

	Institution [Date from - date to]	Degree (s) or Diploma (s):
Edu. 1	University of Regensburg, 27/10/1994	Venia legendi (Privat-Dozent) for Geography at the University of Regensburg
Edu. 2	University of Regensburg, 23/02/1994	Habilitation (Dr. habil.) for Geography & Environmental Studies at the University of Regensburg Cainozoic Climatic and Environmental Change in Etosha – Northern Namibia. Investigations on climatic sensitivity and geomorphodynamics of a semi-arid landscape in Southern Africa. Habilitation Thesis, Institute for Geography at the University of Regensburg, Germany
Edu. 3	University of Regensburg 01/10/1984 – 29/01/1987	PhD (Dr.) in Geography and Soil Science Late Pleistocene and Holocene Fluvial Geomorphodynamics in the Danube valley between Regensburg and Straubing in response to climatic change. PhD Thesis Institute for Geography at the University of Regensburg, Germany
Edu. 4	University of Saarbruecken and University of Bonn 01/10/1980 – 11/10/1982 and 01/10/1978 – 30/09/1980	M.Sc. in Geography, Soil Science and Botany / Vegetation Geography / Biogeography A method to describe soil erosion and soil erosion vulnerability in vineyard areas within the community of Wiltingen/Lower Saar River

6. LANGUAGE SKILLS: Indicate competence on a scale of 1 to 5 (1 - excellent, 5 - basic)

Language	Reading	Speaking	Writing
German	1	1	1
English	1	1	1
French	1	2	3
Afrikaans	1	4	5
Macedonian	5	3	5

- 7. MEMBERSHIP OF PROFESSIONAL BODIES:** Slow Food™ International; supporter of Scientists for Future @sciforfuture.
- 8. OTHER SKILLS:** Microsoft Windows 10, MS Office 2016 including Word / Excel / Access / PowerPoint / MS Project / Visio; Adobe Photoshop; Corel Draw; Internet; ArcView-GIS, IDRISI-GIS; AutoCAD; Moderation techniques, Public awareness / Communication and social media / Twitter campaigns.
- 9. PRESENT POSITION:** **Managing Director Etosha Consult International** – Network and Services for Sustainable Development, Wiltingen near Trier, Germany, since 1 April 1995 <http://www.etosha-consult.de>;
Privat-Dozent (in accordance with Habilitation/venia legendi) for Geography at the University of Regensburg since 1994.
- 10. YEARS WITHIN THE FIRM:** **38 years** at the Universities of Saarbruecken, Regensburg, Trier (all Germany), Windhoek (Namibia) and Innsbruck (Austria) (including national and international project activities);
25 years Managing Director Etosha Consult International.
- 11. KEY QUALIFICATIONS (RELEVANT TO THE PROJECT):**
- **Adviser to the Chief Climate and Environment Department, and since 01.01.2019 Director General ACMAD, Dr. Andre Kamga;**
 - **Internationally acknowledged scientist, lecturer and University Professor with 38 years professional experience as mastermind & senior advisor on climatic & environmental change, climate change adaption & mitigation actions, fluvial & river system analysis & management, soil erosion control, natural resources management, GIS-based spatial planning and sustainable development;**

- **40 years of experience in international standard project management in line with GTZ/EDF rules, EU Project Cycle Management, ZOPP / LOGFRAME methodology**, project quality control, supporting and supervising multi-disciplinary and multi-cultural teams, including workshop moderation, **formulating communication & capacity building strategies and implementation plans, creating awareness / social media campaigns and networking;**
- **Excellent ability in analysing and implementing multi-sectoral approaches** in holistically combining environmental and natural resource management with economic and social matters **by means of innovative social media campaigns in full compliance with the EU Strategy for Sustainable Development and EU guidelines for communication and visibility;**
- **2014-2017 Technical Assistant to ACMAD, Niamey, Niger, and Advisor to the African Union Commission, Addis Ababa, Ethiopia, in support of the EU-funded Monitoring of Environment and Security in Africa – MESA;**
- Familiar with recent developments with regards to [#SustainableFinanceEU](#), [InsuResilience Global Partnership](#), **African Risk Capacity and its financial affiliate, the African Risk Capacity Insurance Company Ltd**, thus addressing **SDG 13 - Target 13-A: “Implement the commitment undertaken by developed-country parties to the United Nations Framework Convention on Climate Change to a goal of mobilizing jointly \$100 billion annually by 2020 from all sources to address the needs of developing countries in the context of meaningful mitigation actions and transparency on implementation and fully operationalize the Green Climate Fund through its capitalization as soon as possible.”;**
- **2010 Team Leader in the MCC / MCA-Namibia funded project on ‘Communal Land Support’ in six Northern Communal Areas, based on Oshakati, Namibia;**
- **2006-2008 Team Leader for the Swedish SIDA-funded project on ‘Support to the preparation of a National Strategy for Sustainable Development (NSSD) in the Republic of Macedonia’, based upon an inclusive creating awareness campaign to ensure participation of national experts and the civil society in large;**
- **1989-1998 Team Leader and Head of Research of various projects of German Scientific and Technical Assistance in the Etosha National Park and adjacent rural areas in northern Namibia from concept through to operation; between 1996 and 1998 Team Leader and Sustainable Development Specialist for a project on Landscape-Ecological Risk Information System (LERIS®) for Namibia funded by the German Federal Ministry for Economic Co-operation & Development (BMZ) through the German Agency for Technical Co-operation (GTZ);**
- **Long-term experience in the design and innovative application of Environmental/Management Information Systems Technology, Remote Sensing/Earth Observation and GIS** (e.g. LERIS® for GTZ in Namibia, 1996-1998; Market Analysis for KfW, in Macedonia/Albania, 2001/2002);
- **Strong cosmopolitan personality and authenticity**, natural motivation and a high level of personal organization;
- **True Spirit Leadership**, excellent coaching, motivation, presentation and creating awareness skills combined with excellent analytical, conception and strategic decision-making skills;
- **Excellent communication and writing/evaluation/reporting skills** combined with high flexibility, willingness to learn, team spirit, negotiation & social skills based upon a good sense of humour;
- **Intercultural awareness and competency** and long-term experience in **Southern Africa** (12 years, 1989-1998 and 2010-2013), **Western Africa** (3 years, 2014-2017) and **SE Europe** (8 years, 2001-2009).

12. SPECIFIC EXPERIENCE ON THE SUBJECT AND IN THE REGION:

Country:	Date from – Date to:	Country:	Date from – Date to:
Germany/Niger	01/09/2017 – present ⑭		
Niger	15/07/2017 – 31/08/2017 ⑬	Niger	23/04/2014 – 07/04/2017 ⑫
Namibia	01/03/2011 – 28/02/2013 ⑪	Namibia	01/10/2010 – 31/10/2010 01/03/2010 – 30/09/2010 ⑩
Macedonia / Albania / Greece	03/2004; 09/2001 to 01/2002	Macedonia	01/12/2008 – 31/03/2009 ⑨; 03/2008 to 09/2008; 15/02/2006 – 14/02/2008 ⑧; 03/2004; 02/2004; 12/09/2003 – 15/02/2005 ⑦; 01/01/2003 – 30/04/2003 ⑥; 01/11/2002 – 31/12/2002 ⑤; 10/2002; 11/2001 to 10/2002; 07/2001 to 08/2001; 03/2001 to 05/2001
Namibia	01/03/1996 – 30/04/1998 ④	Namibia	01/03/1992 – 29/02/1996 ③
Namibia	01/07/1989 – 30/06/1991 ③		
Tanzania	01/09/1981 – 31/10/1981 ②	Kenya	01/09/1980 – 01/10/1980 ①

13. PROFESSIONAL EXPERIENCE:

Ref. 14	Date	01/09/2017 – present Full-time; 660+ working days	Location	Wiltigen, near Trier, Germany
Company		Etosha Consult International www.etosha-consult.de	Position	Managing Director Etosha Consult International – Network and Services for Sustainable Development – and Adviser to the Chief Climate and Environment Department, and since 01.01.2019 Director General ACMAD, Dr. Andre Kamga
Reference:		Financial Advisor to the Managing Director Etosha Consult International, Mrs. Angelika Berié, email: aberie@etosha-consult.de Chief Climate and Environment Department, and since 01.01.2019 Director General ACMAD, Dr. Andre Kamga, www.acmad.net , email: akamgaf@yahoo.com		
Managing Director Etosha Consult International – Network and Services for Sustainable Development – and Adviser to the Chief Climate and Environment Department, and since 01.01.2019 Director General ACMAD, Dr. Andre Kamga				
<p><u>As Managing Director Etosha Consult International:</u></p> <ul style="list-style-type: none"> ▪ Gathering (including internet & social media research) and analysing information on Sustainable Development, Climate & Environmental Change, Global Framework for Climate Services (GFCS) and recent developments with regards to #SustainableFinanceEU, InsuResilience Global Partnership, African Risk Capacity and its financial affiliate, the African Risk Capacity Insurance Company Ltd, thus addressing SDG 13 - Target 13-A; ▪ Networking within the consultant’s business community, reviewing project tenders/ToRs and call for expert requests (among others DevelopmentAid); ▪ Support to acquisition of projects with specific attention to <ul style="list-style-type: none"> ○ adaption to climate change and climate variability through incorporating science-based climate prediction and information services into national, regional and continental planning processes; ○ strengthening climate services value chains through building the capacities of decision-makers at all levels to make effective use of climate information and services; ○ contributions to sustainable development (Sustainable Development Goals [SDGs], EU Agenda 2030, Agenda 2063 Africa Union) as well as strengthening tools that bridge climate services stakeholders and users in climate-sensitive sectors such as agriculture and food security, disaster risk reduction, water, energy and health; ○ #SustainableFinanceEU, InsuResilience Global Partnership. ▪ Technically relaunching and updating www.etosha-consult.de, and constant content management; ▪ Promoting www.etosha-consult.de – Network and Services for Sustainable Development by means of story marketing tools such as @Sustainche via Twitter. <p><u>As Adviser to the Chief Climate and Environment Department, and since 01.01.2019 Director General ACMAD, Dr. Andre Kamga:</u></p> <p>Based upon the successful and trustful co-operation during the ACMAD (<i>African Centre of Meteorological Applications for Development</i>)-MESA project (2014-2017), providing scientific-based advice with special attention to</p> <ul style="list-style-type: none"> ○ ACMAD’s mandate and role as the designated WMO RA I African Regional Climate Centre (RCC) and in relation to other RCCs; ○ structured interaction between the user, researchers, and climate services providers on Africa-continental level through user interface platforms; ○ strengthened provision of climate and climate change services on Africa-continental level and by means of a Climate Service Information Systems (CSIS); ○ improved access to climate information by strengthening observation and monitoring systems, as well as research, modelling and predictions; ○ enhanced capacity of the 53 National Meteorological and Hydrological Services (NMHSs) of ACMAD’s African Union Member States to generate and apply climate information and relevant products; ○ enhanced climate-informed decision-making on African-continental level, bridging the gap between climate science and policy for improved mainstreaming of climate services into policy processes at Africa-continental and global levels; ○ promoting ACMAD’s post ‘MESA Climate & Climate Change Services’ and COP23/24 participations via Twitter, 				

		thus		
		o strengthening the implementation of the 'ACMAD Strategy 2019-2023' as drafted by Dr. Andre Kamga.		
Ref. 13	Date	15/07/2017 – 30/08/2017 Full-time; 33 working days	Location	Niamey, Niger
Company		Etosha Consult International www.etosha-consult.de	Position	International Technical Assistant to ACMAD for the Development of a Communication Strategy
Reference:		Chief Climate and Environment Department, ACMAD, Dr. Andre Kamga, http://www.acmad.net/new/NEWSITEACMAD/ , email: akamgaf@yahoo.com		
Project: Climate Services for Increased Resilience in the Sahel – funded by the United States Agency for International Development (USAID) and the Norwegian Refugee Council (NRC)				
Drafting a Communication Strategy and Implementation Plan for 'Climate Services for Increased Resilience in the Sahel', with				
<ul style="list-style-type: none"> ▪ EU Project Cycle Management standard Logical Framework, monitoring & evaluation and reporting established, and target groups, final beneficiaries and partners described; ▪ Climate Services for Increased Resilience in the Sahel defined; ▪ Communication tools selected, knowledge management elaborated, and yearly fora and other visibility events (including responsibilities for delivery) established, thus servicing the exchange and cross fertilization of experience among Climate Services partners; ▪ Human and financial resources requirement for the implementation of the Communication Strategy defined; ▪ Guidance to NMHSs and their partners for development of national communication strategies provided; ▪ Liaison with Norwegian Refugee Council's Expert on Knowledge Management established. 				
Ref. 12	Date	23/04/2014 – 07/04/2017 Full-time; 660 working days	Location	Niamey, Niger
Company		Hulla & Co Human Dynamics KG	Position	Technical Assistant & Co-managing Team Leader to ACMAD and Advisor to the AUC
Reference:		Former Director General ACMAD, Monsieur Adama Alhassane Diallo, www.acmad-au.org , email: a2diyalo04@yahoo.fr Director General ACMAD, Dr. Andre Kamga (since 01/01/2019), www.acmad.net/new/siteacma email: akamgaf@yahoo.com		
Project: Climates Services for Disaster Risks Reduction in Africa / Monitoring for Environment and Security in Africa – MESA Programme / funded by the EU				
<ul style="list-style-type: none"> ▪ Ensuring EU development cooperation programme standards and introducing EU-Project Cycle Management as of 2004; ▪ Supporting ACMAD-MESA in EU standard project management, and reporting (quarterly, interim/yearly reports), in communicating meteorological and environmental information via www.acmad-au.org and emailing, and in social media / Twitter campaigns (@ACMADMESA, @Sustainche) with special attention to ACMAD's participation at COP21, COP22, as well as 1st and 2nd MESA Fora; ▪ Supporting ACMAD-MESA in formulating the MESA Grant Proposal, the ACMAD-MESA Implementation Strategy & Working Plans, and the Communication Strategy and Plan by means of a participatory / team approach; ▪ Supporting ACMAD-MESA in LogFrame based (overall objective [final beneficiaries], purpose [target groups], results, output indicators, sources & means of verification) project monitoring & evaluation and international standard quality control by means of moderated training-on-the job; ▪ Supporting ACMAD's climate monitoring, climate forecast and prediction, and climate change services; ▪ Supporting ACMAD's Earth Observation and environmental monitoring services; ▪ Supporting ACMAD-MESA in translating climate variability and change information into climate impact, measures and adaptation services by means of briefs for policy and decision makers, fact sheets, success stories, newsletters and press releases, formulating key messages, Twitter campaigns and story marketing (@Sustainche™); ▪ Communicating ACMAD's mandate as the WMO Regional Climate Centre for Africa and the MESA Continental Implementation Centre towards the AU / AUC and the MESA programme, and ensuring vivid cooperation between ACMAD-MESA direct grant partners (RCCs/RICs/RECs and Universities) and MESA Programme RICs/RECs at large; ▪ Supporting ACMAD in drafting and implementing capacity building strategies according to its RCC for Africa mandate; ▪ Facilitating ACMAD's encouragement to support AUC in drafting and implementing continental and international policy documents such as the 'Africa Regional Strategy for Disaster Risk Reduction and its Programme of Action', the 'Post – 2015 (Sendai) Framework for Disaster Risk Reduction', the 'Global Framework for Climate Services' the 'Africa Agenda 2063' and the Paris Agreement as of 2015; 				

<ul style="list-style-type: none"> ▪ Providing support to technical www.acmad-au.org web design, administration and content management; ▪ Support RCC for Africa ACMAD in bringing added-value to their climate services through integration of environmental impact, socio-economic elements, analytical components and visualization tools; ▪ In communication with EUMETSAT and German DWD providing support to setting up an information platform/portal/ 'Climate Information System' dedicated to the specific RCC ACMAD demands to exchange best practice, make information available for specific need, thus encourage strengthened RCC-cooperation. 				
Ref. 11	Date	01/03/2011 – 28/02/2013 Full-time; 432 working days	Location	Ongwediva, Namibia since 01/03/2013 part-time operating from Germany, Namibia & Niger
Company		Etosha Consult International www.etosha-consult.de	Position	Team Leader and Sustainable Development Specialist
Reference:		Mrs. Lovis M. Ashipala, http://www.sustainche-farm.org , email: lovis@mvafund.com.na		
Project: The Sustainche Farm Project in Northern Namibia / funded by Etosha Consult International				
<ul style="list-style-type: none"> ▪ Mastermind & Project Management (from concept through to operation); ▪ Support the Sustainche Farm family in climate monitoring, climate forecast and prediction; ▪ Design and implement climate change mitigation and adaption strategies against the background of natural system inherent climate variability, thus ensuring food security at the level of a typical smallholder Owambo family farm; ▪ Provide in-depth information, training & education on Sustainable Development principles; ▪ Provide technical web design, administration and content management; ▪ Implementing the creating awareness programme & communication campaign based upon http://www.sustainche-farm.org/about , www.sustainche-farm.org/faqs , http://www.sustainche-farm.org/challenges/; ▪ Facilitating the community liaison and Twitter – https://twitter.com/Sustainche campaign; ▪ Design intervention strategies for sustainable development of the smallholder family farm – e.g. http://www.sustainche-farm.org/?s=Marula . 				
Ref. 10	Date	01/03/2010 – 30/09/2010 Full-time; 145 working days	Location	Oshakati, Namibia
Company		GTZ International Services*	Position	Team Leader
Reference:		Mrs. Cornelia Kake, CLS Project, email: conory.kake@gmail.com		
Project: Communal Land Support (CLS) / funded by MCC / MCA-Namibia				
<ul style="list-style-type: none"> ▪ Overall responsibility for the project management in full conformity with MCC / MCA-N rules and regulations; ▪ Additionally, establishing and implementing monitoring & evaluation system standards of EU-funded development cooperation programmes; ▪ Introducing Earth Observation and environmental monitoring standards; ▪ Overall responsibility for successful implementation of all six components of the CLS Activity, in particular: <ul style="list-style-type: none"> ○ i) Georeferencing the available aerial survey of the Northern Communal Areas with high resolution digital orthophoto data provided by the Rural Poverty Reduction Programme (RPRP) funded by EU EDF; ○ ii) Implementation of a GIS-based and systematic process designed to identify de facto land holdings and fences by means of remotely sensed data; ○ iii) The provision of support to the 6 regional Communal Land Boards, the 15 recognized Traditional Authorities and other village headmen and chiefs in the Northern Communal Areas to support their capacity to adjudicate, allocate and administer formal land rights and to resolve conflicts; ○ iv) The formulation of a Communication Strategy and Creating Awareness Campaign and its implementation; ○ v) Interaction with Namibia media (newspapers, radio, TV). 				
* MCA-Namibia cancelled its project contract with GTZ/GIZ IS in July 2012				
Ref. 9	Date	01/12/2008 – 31/03/2009 Full-time; 75 working days	Location	Stip, E-Macedonia
Company		SNV – Netherlands Development Organization	Position	Senior Adviser Agriculture and Rural Development
Reference:		Ms. Nada Karaivanova, SNV colleague, email: nadakaraivanova@yahoo.com		
Project: Support to the implementation of the National Strategy for Sustainable Development of the Republic of Macedonia (Fruits and Vegetables sub-sector)				
<ul style="list-style-type: none"> ▪ Translation of the National Strategy for Sustainable Development of the Republic of Macedonia into continued mobilization activities to a wide range of actors with the aim of creating income and employment opportunities and 				

<p>increasing production in the agriculture sector, and thus supporting the EU integration process of the Republic of Macedonia;</p> <ul style="list-style-type: none"> ▪ Designing a coherent and cross-cutting intervention strategy for rural development in full compliance with the EU rural development approach and take a lead on the implementation of the rural development strategy; ▪ Formulation of a capacity building strategy for 'Rural Sustainable Development Macedonia'; ▪ Formulation of a Project Communication Strategy and its implementation in close liaison with Macedonian media (newspapers, radio, TV); ▪ Design of flag ship / pilot projects following EU standard project fiche methodology. 				
Ref. 8	Date	15/02/2006 – 14/02/2008 Full-time; 442 working days	Location	Skopje, Macedonia
Company		Scanagri/Sweden & Niras/Denmark; Sida	Position	Team Leader
Reference:		<p>Mrs. Menka Spirovska, Former State Counsellor, Ministry of Environment and Physical Planning of the Republic of Macedonia and National Coordinator of the NSSD Project, email: m.spirovska@ema.com.mk & office@ema.com.mk Mr. Goce Simonoski, email: goce.simonoski.gs@gmail.com Mr. Yianis Zervas, International Consultant, email: office@advyzer.com</p>		
<p>Project: Support to the preparation of a National Strategy for Sustainable Development (NSSD) in the Republic of Macedonia / funded by Sida and in support to EU-accession process with candidate status of the Republic of Macedonia since 2005</p>				
<p><u>As Team Leader:</u></p> <ul style="list-style-type: none"> ▪ Managing the Swedish Sida funded project by means of EU development cooperation programme standards and introducing EU-Project Cycle Management as of 2004; ▪ Establishing and implementing monitoring & evaluation system of EU-funded development cooperation programme standards; ▪ Overall managerial and financial responsibility for the Project Implementation Office (PIO), providing leadership in the coordination and implementation of the contract and overall guidance on project orientation and focus, and ensuring full compliance with the EU Strategy for Sustainable Development as of 2006, and thus supporting the EU accession process of the Republic of Macedonia; ▪ Facilitating a participatory project planning process and ensuring the quality control of all team outputs, such as documents and budget; ▪ Establish project infrastructure and mobilize personal (PIO staff recruitment, national & international experts); ▪ Prepare technical specifications, terms of reference and tender dossiers; ▪ Communication with all relevant stakeholders, including the Project Steering Committee (PSC) chaired by the Deputy Prime Minister, Ministers and Ministries, Government Agencies, Municipalities & Social Partners; ▪ Develop and implement a communication strategy and implementation plan for the project, ensuring its visibility among regional and national partners and towards the civil society in close liaison with Macedonian media (newspapers, radio, TV); ▪ Facilitating a project web site and providing support to technical web design, administration and content management; ▪ Facilitate regular monitoring meetings and PSC meetings; facilitate effective dialogue and creating awareness among stakeholders and partners in the various key sectors, private sector, civil society; ▪ Facilitate effective dialogue among and between the donors' community and Macedonian high ranked politicians and institutions and establish mechanisms for an effective mobilization of financial resources allocated for the implementation of the strategy's key objectives. <p><u>As Sustainable Development Specialist & Key Specialist for Capacity Building:</u></p> <ul style="list-style-type: none"> ▪ Overall guidance on all cross-cutting topics and value chains of sustainable development; ▪ Drafting the project's capacity building strategy ▪ Organizing and in-person providing education and training for the National Specialists and their 11 working groups (Agriculture & Rural Development, Employment, Climate Change (climate monitoring, climate forecast & prediction and climate services) & Energy, Environment, Forestry & Rural Development, Infrastructure & Transport, Policy & Legal Issues, SMEs & Industry, Social Issues/Education, Social Issues/Health, Tourism); ▪ Drafting the National Strategy for Sustainable Development (NSSD) in the Republic of Macedonia – technical document with annexes and public version; ▪ Design of flag ship / pilot projects & EU / EDF standard project fiches (including budgets) in order to safeguard the first steps of an implementation of the National Strategy for Sustainable Development, thus facilitating innovative 				

partnerships and Foreign Direct Investments.				
Ref. 7	Date	12/09/2003 – 15/02/2005 Full-time; 311 working days	Location	Ohrid, Macedonia
Company	InfoTeh, Ohrid, Macedonia, for, Komunalec, Communal Services Ohrid, Macedonia		Position	Team Leader & Senior Advisor
Reference:	Mr. Goce Simonoski, email: goce.simonoski.gs@gmail.com			
Project: Exclusive Consultant to Komunalec/Communal Services Ohrid General Management				
<ul style="list-style-type: none"> ▪ Act as an Exclusive Consultant to the General Director Komunalec – Communal Services, Ohrid, Macedonia; ▪ General Management; ▪ Introduce EU development cooperation programme standards and with special attention to EU-Project Cycle Management as of 2004; ▪ Support to identify Komunalec General Management problems, and consequentially develop a LogFrame as a bases for the Komunalec – Communal Services Ohrid Sustainable Development Strategy 2003-2005; ▪ Support the Client’s Project Management capacity; ▪ Support to Communication and Decision Making of the Client in relation to international and national external consultants and donors; ▪ Develop a Communal Services Management Information System (MIS) and Earth Observation/Geographic Information System (GIS) for environmental monitoring; ▪ Draft and implement a communication strategy and implementation plan for Komunalec, Communal Services Ohrid, ensuring its visibility among regional and national partners and towards the civil society in close liaison with Macedonian media (newspapers, radio, TV). 				
Ref. 6	Date	01/01/2003 – 30/04/2003 Full-time; 84 working days	Location	Ohrid, Macedonia
Company	InfoTeh, Ohrid, Macedonia, for Alliance for Lake Cooperation in Ohrid and Prespa, Macedonia		Position	Short-term Expert
Reference:	Mr. Goce Simonoski, email: goce.simonoski.gs@gmail.com			
Project: EU – Drin River Basin Research Project, Macedonia/Albania				
<ul style="list-style-type: none"> ▪ Support to Drafting the Project Proposal for Research and Consultancy Services: EU – Drin River Basin Research Project, Macedonia/Albania – ‘EU Sixth Framework Program of the Research, Technology Development and Development Programme of the European Commission’, in support to the implementation of the EU Water Framework Directive in the River Drin Basin; ▪ Designing a trans-boundary and seamless Geographic Information System (GIS) integrating both GIS expert system needs and public participation expectations. 				
Ref. 5	Date	01/11/2002 – 31/12/2002 Full-time; 40 working days	Location	Ohrid, Macedonia
Company	InfoTeh, Ohrid, Macedonia, for Lake Ohrid Conservation Project, Ministry of Environment and Physical Planning, Republic of Macedonia / World Bank		Position	Short-term Expert
Reference:	Mr. Goce Simonoski, email: goce.simonoski.gs@gmail.com			
Project: Developing a multi-user GIS as a basis for data management, data distribution, data analysis and data presentation relevant to environmental planning and management of Lake Ohrid watershed				
<ul style="list-style-type: none"> ▪ Based upon the Exclusive Partnership between Etosha Consult International and InfoTeh as of 07/12/2001: Developing a proto-type multi-user GIS as a basis for data management, data distribution, data analysis and data presentation relevant to environmental monitoring, planning and management of Lake Ohrid watershed; ▪ Feeding into the Project: EU – Drin River Basin Research Project, Macedonia/Albania (Ref. ⑥ above); ▪ Ensuring full compliance with the EU Water Framework Directive; ▪ Support to drafting ToR for Consultancy Services. 				
Ref. 4	Date	01/03/1996 – 30/04/1998 Full-time; 476 working days	Location	Okaukuejo, Etosha National Park, Namibia
Company	Etosha Ecological Institute (Ministry of Environment and Tourism),		Position	Team Leader

	Agriculture Laboratory (Ministry of Agriculture, Water and Rural Development) and University of Regensburg / GTZ		
Reference:	Mr. Wilferd Versfeld, formerly EEI (MET), email: wilferdversfeld@gmail.com Mr. Wynand du Plessis, formerly EEI (MET), email: wdunam@gmail.com		
Project: Landscape-Ecological Risk Information System (LERIS) for Namibia / funded by GTZ			
<ul style="list-style-type: none"> ▪ Overall Project Management (from concept through to operation) by following GTZ-ZOPP (target-orientated project planning [TOPPP]) standards that fed EU funded development cooperation programme standards as EU Project Cycle Management (PCM) in 2004; <ul style="list-style-type: none"> ○ Overall budget responsibility and budget reporting; ○ Establish and implement monitoring & evaluation system; ○ Establish and implement capacity building strategy; ○ Mobilizing the project in terms of office & IT infrastructure, personal recruitment, coordinating and managing PMU staff; ○ Preparing of technical specifications, terms of reference and tender dossiers; ○ Involvement of local communities in rural Northern Namibia (Owambo & Damaraland – GTZ pilot projects); ▪ Environmental Monitoring & Earth Observation and introducing climate services (climate monitoring, climate forecast, “what-if-scenarios”) to support sustainable resources management, food security and disaster risks reduction in Northern Namibia; ▪ Field surveys and laboratory analyses – running a fully operational soil and water laboratory in the Etosha Ecological Institute at Okaukuejo, Etosha National Park, Namibia; ▪ Design of a landscape-ecological risk assessment methodology combating natural hazards and desertification; ▪ Collecting, structuring and GIS-based analyzing of all relevant (remotely sensed) data in the Etosha National Park and adjacent rural regions in Northern Namibia; ▪ Designing and programming the <i>Landscape-Ecological Risk Information System (LERIS)</i>; ▪ Spatially analyzing the vulnerability of the specific regions in Northern Namibia to climate variability & change by underlining impacts on the key sectors, including inventory of the potential risks and climate impacts on population and the economy, analysis of the sensitivity of resources, sectors, and the most vulnerable human groups; ▪ Facilitating and strengthening multi-sectoral structures and networks, thus improving awareness on disaster risks and climate change, and supporting their integration in policies and measures; ▪ Establishing institutional arrangements that enable networks addressing disaster and climate change risks to work together; ▪ Designing and managing integrated approaches to sustainable development challenges and involving key stakeholders including the private sector; ▪ Develop and implement a communication strategy and implementation plan for the project, ensuring its visibility among national and international partners and towards the civil society in close liaison with Namibian media (newspapers, radio, TV); ▪ Advise high level politicians on disaster and climate change risk management with influence on budgeting and planning processes to increase emphasis on a more continuous approach to vulnerability reduction; ▪ Strengthen capacity of both local authorities and communities to initiate and implement adaptive measures. 			
Ref. 3	Date	01/03/1992 – 29/02/1996 and 01/07/1989 – 30/06/1991 Full-time; 1296 working days	Location Okaukuejo, Etosha National Park, Namibia
Company	Etosha Ecological Institute (Ministry of Environment and Tourism) and University of Regensburg / DFG (German Research Foundation) and (since 1992) GTZ		Position Team Leader / Head of Research (starting from 1992)
Reference:	Mr. Wilferd Versfeld, formerly EEI (MET), email: wilferdversfeld@gmail.com Mr. Wynand du Plessis, formerly EEI (MET), email: wdunam@gmail.com		
Project: Climate & Environmental Change and Sustainable Development in the Etosha National Park and adjacent rural areas of Northern Namibia / funded by DFG and (since 1992) DFG & GTZ and feeding Ref. ④ above			
<ul style="list-style-type: none"> ▪ Overall Project Management (from concept through to operation) by following GTZ-ZOPP (target-orientated project planning [TOPPP]) standards that fed EU funded development cooperation programme standards as EU Project Cycle Management (PCM) in 2004; <ul style="list-style-type: none"> ○ Overall budget responsibility and budget reporting; 			

<ul style="list-style-type: none"> ○ Establish and implement monitoring & evaluation system; ○ Establish and implement capacity building strategy; ○ Mobilizing the project in terms of office & IT infrastructure, personal recruitment, coordinating and managing PMU staff; ○ Preparing of technical specifications, terms of reference and tender dossiers; ▪ Field surveys and laboratory analyses, establishing a fully operational soil and water laboratory in the Etosha Ecological Institute at Okaukuejo, Etosha National Park, Namibia; ▪ Earth Observation and environmental monitoring, including <ul style="list-style-type: none"> ○ land use/vegetation cover/biomass – water/availability/quality – climate monitoring & forecast/climate variability/rainfall/seasonal rainfall pattern – relief/soil erosion/flooding – soils/chemical & physical properties; ▪ Introducing GIS-based remote sensed/earth observation data interpretation in weather/climate and landscape-ecological impact of climate change monitoring; ▪ Develop and implement a communication strategy for the project, ensuring its visibility among national and international partners and towards the civil society in close liaison with Namibian media (newspapers, radio, TV); ▪ Creating public and political awareness on ecological & environmental implications of climatic variability & change; ▪ Initiating, facilitating and supervising systematic approaches of data collection on all relevant information related to landscape-ecological impacts of climatic variability & change, including soil surveys performed by the German project partner; ▪ Improving the governance framework for sustainable development by undertaking capacity building (since 1994 in co-operation with the University of Namibia, Department of Geography and Environmental Studies, Windhoek, Namibia) of institutions involved in policy making in integrating and mainstreaming sustainable development policy orientations into national government policies and strategies; ▪ Resource mobilization in liaison with the Ministry of Environment & Tourism of the Republic of Namibia in support of sustainable land use planning & management; ▪ Facilitating various high-level negotiations on additional target orientated investments, such as a NOAA satellite receiving station based in Okaukuejo, financially supported by the British High Commission; ▪ Facilitating effective dialogue among stakeholders and partners in the various key public sector departments, and private sector with a view to developing a multi-stakeholder partnership strategy; ▪ Initiating innovative partnerships to support Sustainable Development. 				
Ref. 2	Date	01/09/1981 – 31/10/1981 Full-time; 43 working days	Location	Lushoto, Tanzania
Company		Ministry of Agriculture, Water and Forestry / GTZ	Position	Research Associate
Reference:		Buch, M.W. (1984): Bodenerosion in den Westlichen Usambara-Bergen Tansanias. Semiquantitative Erfassung von Bodenerosion und Untersuchungen zu ökopedologischen Veränderungen an Hängen unterschiedlicher Landnutzung. - Entwicklung + Ländlicher Raum 18 (3): 8-11.		
Project: Tanga Integrated Rural Development Programme (Section 'Soil Erosion Control & Afforestation, W-Usambara Mts.') / funded by GTZ				
<ul style="list-style-type: none"> ▪ Landscape-ecological interpretation of remote sensing data, ▪ Soil surveys and soil profile descriptions in the Western Usambara Mts. Region, ▪ Report on 'Soil Erosion in the Western Usambara Mts., Tanzania'. 				
Ref. 1	Date	01/09/1980 – 01/10/1980 Full-time; 43 working days	Location	Nairobi, Kenya
Company		Ministry of Agriculture and Kenya Soil Survey (both Nairobi) / GTZ	Position	Research Associate
Reference:		Ministry of Agriculture, Kenya, in Cooperation with the German Agricultural Team (GAT) of the German Agency for Technical Cooperation (GTZ) (1982/83): Farm Management Handbook of Kenya – Natural Conditions and Farm Management Information. Trier.		
Project: Farm Management Handbook of Kenya / funded by GTZ				
<ul style="list-style-type: none"> ▪ Advisories on crops to grow based on climate zoning, climate monitoring and seasonal climate forecast in order to provide farmers climate services-based information for informed decisions, thus ensuring country-wide food security, ▪ Landscape-ecological interpretation of remote sensing data, ▪ Soil surveys and soil profile descriptions in Mt. Kenya region, ▪ Soil map transcriptions and eco-pedological risk assessment. 				

14. OTHER RELEVANT INFORMATION:

a) Scientific Awards:

- National Award (second placement) in **Jugend Forscht Germany 1977** in the section of Geo and Spatial Sciences,
- **Professor Josef-Engert** Award of the City of Regensburg for the best dissertation at the University of Regensburg with a relationship to the region (1987).

b) Professional experience at Universities:

- Invited Visiting **Professor for Geography and Environmental Studies** at the Universities of Namibia, Windhoek, Namibia (1994), Innsbruck, Austria (1995/96) and Trier, Germany (1997),
- **Since 04/1995 Privat-Dozent (venia legendi) for Geography** and permanent member of the University of Regensburg, Germany,
- 04/1994 - 03/1995 Associate Professor and Project Co-ordinator at the University of Regensburg, Germany,
- 04/1988 - 03/1994 Senior Lecturer / Senior Research Associate (Akad. Rat a.Z.) and Project Co-ordinator at the University of Regensburg, Germany,
- 10/1982 - 12/1987 Research Associate/ Lecturer and Project Co-ordinator at the Universities of Saarbruecken and Regensburg, Germany.

c) Portfolio of lectures, seminars as well as field and laboratory courses:

- **Global Physical Geography, Global Climatology, Climate Variability & Change**, and Geomorphology,
- **Remote sensed / earth observation and GIS based geohazards identification and monitoring / Landscape-ecological risk assessment**,
- **Global Quaternary research, pedomorphology and paleoclimatic / climate change studies**,
- Fluviale Geomorphodynamics of river basins,
- Geomorphological/geological/pedological/soil erosion field mapping and surveying,
- Soil and water laboratory analysis and monitoring,
- Soils and Soils Geography of the Tropics and Sub-Tropics,
- **Physical Geography of Africa** and surrounding ocean regions,
- Regional Geography of Namibia / Environmental Profile of Namibia,
- **Agro-ecological challenges in the Tropics and Sub-Tropics**,
- **Integrated (rural) sustainable development & land use planning** - recently with special attention to renewable energy resources, environmentally adapted wastewater engineering and the promotion of local/regional food specialities,
- **Global Change and Sustainable Development after Rio 1992.**

d) [40 articles published \(in German as well as in English\) in national and international scientific periodicals on climatic & environmental change and sustainable development.](#)

e) Relevant Project Documents:

- Regionales Konzept für Nachhaltige Entwicklung im Landkreis Rottal-Inn, Südost-Bayern (2000),
- National Strategy for Sustainable Development in the Republic of Macedonia (NSSD) (2008),
- and various documents on Grant Proposals, Implementation Plans, Logical Frameworks (LogFrames), Progress and Final Reports, Communication Strategies, and Implementation Plans.



Privat-Dozent Dr. Dr. habil. Manfred W. Buch