



**HIGHEST QUALIFICATION**

- PhD (Candidate)  
Natural Resources Management-University of Botswana (Okavango Research Institute)
- Master of Geoinformation Science and Earth Observation (Natural Resources Management)-NUST Namibia
- BSc Hons in Geography and Environmental Studies-MSU Zimbabwe

**SPECIALISATION**

- Environment and Climate Policy & Regulation
- Environmental and Social Governance (ESG)
- Climate Change, Adaptation and Mitigation
- Climate & Sustainability
- Nationally Determined Contributions (NDCs)
- Carbon Markets
- Renewable Energy
- Monitoring, Reporting and Verification Systems (MRVs).
- Natural Resources Management
- Water & Food Security
- Environmental Assessment and Management
- **EXPERIENCE IN:**
- Namibia, Botswana, Mozambique, SADC

**LANGUAGES:**

- English (Fluent)

**YEARS OF EXPERIENCE: 09**

Tendai has close to a decade of experience in environment, climate change adaptation, mitigation, and policy. He is a seasoned professional with a rare combination of programming, policy and technical expertise resulting in substantial impact and contribution on pressing global issues affecting African communities.

As a seasoned professional with a rare combination of programming and policy expertise in the environment and climate field. He has made a substantial impact on pressing global issues within the African continent, especially on issues related to sustainability, environment and climate policy, climate change (mitigation & adaptation), policy development, carbon market (A6, CCM A6.4, CDM, VCM), sustainable development, clean energy, land use and food security.

In addition, he has been involved in the development of emissions mitigation and reduction projects including forest carbon, e-vehicles, off-grid solar systems, biodiversity payment systems and carbon rice farming, clean cooking/cookstoves and biochar production. Furthermore, he also possesses a unique combination of understanding environment and climate issues from industry players, development cooperation and implementing agency's perspective through various support and advisory appointments that I have been involved in.

**RELEVANT PROJECT EXPERIENCE**

- **Climate Policy Expert (Mitigation): Carbon Markets –Operationalisation and Activation of Carbon Projects, (January 2023 to date) UNDP, Namibia and Ministry of Environment, Forestry and Tourism (MEFT) and Japanese Government.** Tendai is the carbon project activation expert, supporting with training and awareness building. In addition, he is leading a team in development of carbon projects including forest carbon, e-vehicles, off-grid solar systems, biodiversity payment systems and carbon rice farming, clean cooking/cookstoves and biochar. He is focal in disusing projects with other development agencies, project developers, carbon credit offtake entities, advising on bilateral agreements and adaptation of standards.
- **Climate Policy Expert (Low Emissions Transition) -Team Leader: Pre-feasibility studies and financing concept notes under the Zimbabwe Green Resilient Rapid Readiness Recovery Programme, (March 2023-May 2023) FBC Bank/GCF.**  
Tendai led a team of experts for the development of 3 pre-feasibility and 3 Concept Notes to be submitted by FBC Zimbabwe to Green Climate Fund for the National Green Resilient Recovery Rapid Readiness Support project for Zimbabwe (ZWE-RS-004). The project covered two projects and a programme as follows.
  - Geothermal power generation
  - Green hydrogen for fertiliser production
  - Climate smart agriculture and digitalisation (programme)
- **Climate Policy Expert (Mitigation) : Carbon Markets –Development of the Namibian carbon markets Framework and Article 6 Implementation, (June 2022-January 2023) UNDP, Namibia and Ministry of Environment, Forestry and Tourism (MEFT) and Japanese Government.** Tendai was the carbon emission and markets specialist on climate policy and framework for carbon markets in Namibia under UNDP country office. He led the development and implementation of the Namibia’s Carbon Markets Framework and Digital Manual for implementing Article 6 of the Paris Agreement (A6.2, A6.4) and Voluntary Carbon Market Mechanism (Hybrid Approach) to support emissions reduction and generation of ITMOS. The role centred on; (Carbon Market Activation Planning, Project Developer Enablement, Monitoring, Reporting and Verification (MRV, Registry).
- **National Action Plan Elaboration Specialist (Climate Policy) – National Action Plan for the Great Green Wall in Namibia (June 2022 -January 2023), SADC, FAO, African Union and Namibia and Ministry of Environment, Forestry and Tourism (MEFT).** Tendai was the Action Plan Elaboration Specialist on climate policy. He spearheaded national policy analysis and linkages to the SADC GGW regional action plan and developed the Great Greenwell Initiative National Action Plans for Namibia and Zimbabwe.

## KEY PROJECT EXPERIENCE (CONTINUED)

- **National Specialist (Climate and Environment) – Stockholm +50 Consultations (Climate and Environment) in Namibia (January 2022 – June 2022-Completed), United Nations Development Programme (UNDP) Namibia and Ministry of Environment, Forestry and Tourism (MEFT).** Tendai was the national expert on environment and climate. He spearheaded national planning and coordination of the national consultations to ensure a multi-stakeholder engaged approach and he is also responsible for the drafting of the National Environment and Climate Synthesis Report for Namibia to be presented to the Stockholm+50 meeting. He also supported development of UNFCCC 20P 27 and UNCBD COP 15 position papers.
- **Environment and Climate Advisor: Implementation of the Support to Industrialisation and Productive Sectors (SIPS) In the SADC Region, SADC and GIZ Botswana, January 2021 – December 2021.** Tendai was advisor for SADC and GIZ for the climate assessment for the implementation of the Support to Industrialisation and Productive Sectors (SIPS) In the SADC Region, SADC and GIZ Botswana in 16 SADC countries.
- **Development of Manual guideline for Environmental Compliance under the Flexible Land Tenure System (FLT) for upgrading of informal settlements in Namibia (November 2020-September 2021), Ministry of Agriculture, Water and Land Reform (MAWLR), GIZ Namibia.** Tendai was the lead environmental expert conducting policy reviews to integrate environmental compliance for the FLTS into existing environmental laws and regulations. He developed a guideline with Policy recommendations for consideration into the FLTS Act.
- **Feasibility Study for the Upgrade Scenario of the MR033 Gravel Road from gravel to bitumen- Environmental and Social Impact Assessment (Roads Authority Namibia, October 2021- May 2022).** Tendai was the Lead Environmental Assessment practitioner for this project. He was responsible for facilitating the specialist's assessments, stakeholders' consultation, developing and training the Environmental and Social Management Plan. He is also responsible for construction environmental compliance monitoring.
- **Climate and Environment Expert - Extractive sector & human rights violations assessment on coal mining in the Hwange area, Zimbabwe Centre for Natural Resources and Governance & Zimbabwe Environmental Lawyers Association (January 2020 – November 2020).** Tendai was engaged as an environmental rights expert (stakeholder consultation, literature review), to develop a document highlighting the threats of the coal sector along the Zambezi River and the surrounding communities. The report was later used as an information document for the Parliamentary Portfolio Committee on Mining and Environment briefing and discussion on coal mining in Zimbabwe as well as shared with the Zambian government of the implications of coal mining on the Zambezi River.
- **Extractives Industry and Water Resources Management in Zimbabwe: Technical assessment of integrated water resources management and artisanal miners in the Manicaland Province Zimbabwe, January 2020 – December 2020.** Tendai conducted an assessment of the local water resources management strategies in communal lands through communities and institutional consultations. He also conducted a rapid environmental impacts assessment on local water resources and developed an extractives sector-specific water resources management plan. Additionally, he facilitated capacity building and training programmes to artisanal miners on water resources management.
- **The Namibia Water Sector Support Programme (NWSSP) Strategic Environmental and Social Assessment (SESA) and the Environmental and Social Management Framework (African Development Bank (AfDB and MAWLR) April 2019 – January 2020** Tendai was engaged as the environmental and spatial expert for the assignment, working closely with the programme's technical expert coordinating stakeholders consultation, identifying GAPS for environmental compliance, setting up a grievance redressal system, setting up environmental and social safeguard nets, categorising projects and environmental compliance requirements and presenting findings to MAWLR.
- **Remodelling of the Otjiwarongo Municipality Solid waste dumpsite and Solid Waste Management Framework development – D&P Engineers and Environmental Consultants (Otjiwarongo Town Council), April 2019 – September 2019.** Tendai was the Lead Environmental Consultant and Solid Waste Management Expert for the project.

- **Feasibility Study on program to improve livestock efficiency and marketability in the Northern Communal Areas (NCAs) of Namibia- various environmental and social impact assessments for green schemes feedlots -European Union. Namibia, November 2019-June 2020.** Tendai was the Environmental Assessment Practitioner for the assignment covering 5 regions in Namibia.
- **Relocation of the existing Karasburg Solid waste dumpsite- Solid Waste Management Strategy and Solid waste dumpsite management plan – D&P Engineers and Environmental Consultants (Karasburg Town Council), August 2018 – December 2018.** Tendai was the Lead Environmental Consultant for the project.
- **Upscaling Peri-Urban Agriculture and Gender Mainstreaming in Water Resources Management: Dora Pindo Integrated Water Resources Management Programme-CARITAS international and Catholic Relief, November 2015 to April 2016.** Tendai was an environment and water resources management expert assisting the technical advisor to the project. He also conducted stakeholders’ consultation, community engagement workshops and capacity-strengthening on inclusive water resources management in rural and peri-urban areas in Zimbabwe.

#### CERTIFICATIONS

- **Certificate:** Operationalizing Article 6.2 Carbon Markets Mechanism of the Paris Agreement-(UNFCCC/UNDP, 2023).
- **Certificate:** Project Level Greenhouse Gas Accounting-(Carbon Management Institute, 2023).
- **Certificate:** Introduction to Carbon Reduction Measures and Becoming Green (Allison International Ireland, 2021).
- **Certificate:** Introduction to Ecosystem Service Valuation and Policy Design (RESMOB Namibia, 2018).

#### RELEVANT PUBLICATIONS

- Kasinganeti, E.T., Mashapa, C, Mtekwa T., (2019) Socio-Ecological Impacts of Telecommunication Base Transceiver Station Towers Across Mutare District, Eastern Zimbabwe. Annals of Social and behavioural sciences Vol 3 (1)
- Kasinganeti T., Muyamba F. (2019) Africa 2019-Water Storage and Hydropower Development – Environmental Impacts of Large-Scale Water Storage Structures, Windhoek, Namibia, Workshop proceedings

#### REFEREES

Referee	Referee	Referee
<p><b>Mr. Eric Chipeta</b>  <b>UNDP Namibia Country Office</b>            Programme Specialist (Namibia and Zambia)            Windhoek-Namibia            Telephone: +260967796699            Email:<a href="mailto:echipeta74@yahoo.com">echipeta74@yahoo.com</a>  <a href="mailto:eric.chipeta@undp.org">eric.chipeta@undp.org</a></p>	<p><b>Ms. Annah Rutebuka</b>  <b>African Development Bank</b>            Chief Social Safeguards Specialist            African Development Bank              Abidjan, Côte d'Ivoire              Email: <a href="mailto:A.RUTEBUKA@afdb.org">A.RUTEBUKA@afdb.org</a></p>	<p><b>Mr. Petros Shayanowako</b>  <b>GIZ Botswana</b>            Technical Advisor: Support towards Industrialisation and the Productive Sectors in the SADC region (SIPS) Program.              (GIZ) GmbH, Gaborone-Botswana            Telephone: +267 3132914/ 3957400            Email: <a href="mailto:petros.shayanowako@giz.de">petros.shayanowako@giz.de</a></p>

# Evidence Tendai. Kasinganeti

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Skype I.D: Evidence Tendai Kasinganeti

Cell: +264813634904



Environmental Management and Spatial Analysis professional  
(*Environmental Assessment & Management, Nature Conservation and Climate, Spatial Analysis, GIS Mapping and Scientific Research*)

Career Objective: To acquire technical proficiency with all up-to-date competence, taking into cognisance, the ever-changing socio-economic environment and the justified need for technically, intellectually and sustainable founded personnel in the present-day firms operating under an ever-changing course of unpredictable activities. I believe in gradual development of personality, which shall not be compromised with workmanship and good citizenship. My main inspiration is to make History by shaping the future.

## Area of Expertise:

- Environmental Assessment & Management
- GIS and Remote Sensing,
- Environmental Compliance, Control and Monitoring
- Climate and Sustainability

## Professional Qualifications:

1. **Bachelor of Science in Geography and Environmental Studies Honors Degree** (Midlands State University, Zimbabwe, 2015). (2.1/ Upper Second Class)
2. **MSc Geographic Information Science and Earth Observation (Natural Resources Management)** NUST-Namibia, 2021)
3. **Master of Integrated Environmental Management and Sustainability (International university of Management-Namibia, cand)**
4. **Certificate on Going Green for Social Entrepreneurs** (Young African Leaders Initiative Network, USA, 2016)
5. **Fundamentals of Health and Safety in the Workplace** (Allison International, Ireland, 2016)
6. **Introduction to Ecosystem Service Valuation and Policy Design** (RESMOB Namibia, 2018)
7. **Environmental Management Systems ISO 14001 ;2015** (Allison International, Ireland, 2020)

## Key Competencies

- Environmental, Social Impact Assessment
- Environmental Compliance, Control and Monitoring
- Public and Stakeholders Engagement
- Field baseline studies
- GIS mapping and Remote Sensing Image Processing (Envi, ArcGIS, QGIS, Google Earth, Spatial databases, Python, R Statistica, Web mapping, GIS Programming)
- Environmental and Social Safeguards implementation and monitoring
- Climate change adaptation and sustainability
- Project Planning and Management

**Available for:**

**Job opportunities**

**Consultancy**

**Research & Knowledge contribution**

**Highest Qualification:**  
**BSc Honors Degree**

**Years of Experience:**  
9 years (hands on)

**Languages:**  
English, Shona,  
Ndebele; Afrikaans,  
Portuguese  
(Beginner)

**Date of Birth:**  
**27 November 1991**

**Sex: Male**  
**Single**

**Driver's License**  
Class 4: Passenger  
vehicle (Code B)  
(Own Vehicle)

**Passport number**  
**CN022271**

**Professional Registration:**

- (IAIA) South Africa 2016  
- Environmental

Economics Network of  
Namibia (EENN)

- Environmental Professionals  
Council of Zimbabwe-EPCOZ

- Environmental Assessment  
Practitioners of Namibia  
(EAPAN)

## **Professional Experience**

### **1. JANUARY 2021 TO DATE**

**Position:** Independent International Environment and Climate Consultant

#### **Duties and Responsibilities**

Tendai has been supporting organisations and governments in the SADC region develop National Action Plans, Policies, Project implementation, Resource Mobilisation as well as project management for different projects in the environment and climate field. He has provided environmental and climate advisory, and technical assistance through impact assessments, guidelines and adaptation strategies to the Southern African Development Community (SADC), The Ministry of Agriculture, Water and Land Reform (MAWLR) in Namibia, GIZ Botswana, GIZ Namibia, African Development Bank (AfDB), European Union (EU), Centre for Natural Resources and Governance (CNRG)-Zimbabwe, Zimbabwe Environmental Lawyers Association (ZELA) and United Nations Development Programme (UNDP) Namibia & Zimbabwe, Caritas International and a wide array of private entities.

The list of projects undertaken is appended on the project profile above.

### **2. MAY 2016 TO DECEMBER 2020**

**Position:** Environmental Consultant – D&P Engineers and Environmental Consultants

#### **Duties and Responsibilities**

The role involves providing professional consulting services to clients in Namibia, Zimbabwe & Angola with particular focus on Environmental Planning, Water Resources Management, and Spatial Planning through GIS, Community engagement and collecting baseline data for Government of Namibia, Government of Angola, and African Development Bank, SASSCAL, mining companies and private companies. Projects undertaken cuts through Climate Smart Agriculture and Green Schemes development, Water supply and sanitation, mining ventures, national parks management, infrastructure development, Renewable Energy projects and Training and Capacity building exercises. The Major roles included the following:

#### **Coordinating and managing environmental management projects i.e.:**

- Proposal writing, projects negotiations, public consultation, information collation, report writing and communication of findings.
- Traveling regularly to conduct site baseline investigations, public meetings, client liaison and workshops.
- Technical Compilation of Environmental and Social Impact Assessments for different Projects at different levels (National, provincial and local).

#### **Providing Spatial Planning support for land Planning projects i.e.:**

- GIS mapping (hydrology, Geology, soils, vegetation, locations etc.)
- Sensitivity mapping for different sites for proposed developments
- Generate thematic maps on new projects proposed
- Generate maps on data imported from AutoCad
- Collection of field data using Unmanned Aerial Vehicle
- 3D Composite mapping using LIDAR
- Vegetation Assessments
- Air Quality Monitoring
- Geotechnical Studies
- Hydrogeological and Hydrological Assessments

### **3. PART TIME: FROM APRIL 2017 TO APRIL 2018**

**Position:** Environmental Consultant (Sub-Consultant) – Environmental Compliance Consultancy (ECC), Namibia

## **Duties and Responsibilities**

- The role involves providing professional consulting services to clients in Namibia with particular focus on approvals, Environmental Clearance Certificates, reporting and environmental compliance facilitation for different clients in mining, agriculture, manufacturing and energy
- Providing professional consulting services to clients in Namibia with focus on EIAs, EMPs reporting and implementation and compliance advisory on the following:
  - Environmental Clearance Certificate (ECC) Approvals
  - Environmental Scoping studies
  - EMPs drafting and Implementation
  - Mine rehabilitation and ECC renewals
  - Environmental Auditing
  - Conducting field visits on assigned projects
  - Generation of GIS Maps for project sites and specialist studies.

## **4. PAST: JANUARY 2016 TO MAY 2016**

**Position:** Environmental Planner—Plan Africa Consulting cc (Namibia)

### **Duties and Responsibilities**

- Coordinating and managing Environmental Impact Assessment Studies:
  - Proposal writing, projects negotiations, public consultation, information collation, report writing and Communication of findings.
  - Traveling regularly to conduct site baseline investigations, public meetings, client liaison and workshops.
  - Technical Compilation of Environmental Impact Assessments for different Projects.
- Implementation and Monitoring of the Environmental Management Plans
- GIS mapping (hydrology, Geology, soils, vegetation, locations etc.)
- Land Use Mapping and Zoning
- Conducting Bio-Physical Surveys for prescribed projects
- Attending to Issues raised by the MET concerning different EIA and EMP documents Submitted.
- Filing of EIA documentations (Questionnaires, communications, emails, maps, plans, etc.)
- Conducting project administrative tasks such as Clientele liaison and project budgeting
- Taking part in Specialist studies mainly hydro-geology and vegetation.
- Working together with supervisor in developing environmental assessment and management capabilities through developing networks, growing the business and building new competencies.

## **5. JULY 2013 TO DECEMBER 2015**

**Position:** Junior Consultant (Environmental Assessment Practitioner)-New World Advisory Services (NWAS) Environmental Consultants (Zimbabwe)

### **Duties and Responsibility**

- Baseline surveys for EIA projects (Social, ecological, economic and political impact Assessment
- Environmental Management Development and Implementation
- Conducting public and stakeholder consultation process
- Surface and Underground Water Modelling (GIS)
- Compiling Environmental and Social Impact Assessment Reports for different projects
- Environmental Compliance Auditing and Quarterly Reports
- Implementation and monitoring of ISO 14001 and ISO 18001 Systems
- Soil and water samples processing (Sample collecting, sending for lab tests and interpretation of results)
- Air emissions monitoring and testing
- Social Impact Assessment & Social Corporate Responsibility Plans
- Project Management for projects assigned to.

## 6. ENVIRONMENTAL IMPACT ASSESSMENT PROJECTS UNDERTAKEN

Client, Year and Country	Project Name and Deliverable
GIZ and Ministry of Agriculture Water and Land Reform, 200-21-Namibia	Flexible Land Tenure System: Environmental and Social Management and Compliance Guideline Manual for the Flexible Land Tenure Implementation
Centre for Natural Resources Governance, 2020-21- Zimbabwe and Zambia	Coal mining and thermal power generation in Sengwa-Kariba areas Zimbabwe: Environmental and Social Impact Assessment- Focus on Environmental Rights and Gender impacts
European Union and Ministry of Agriculture, Water and Forestry, 2020-Namibia	Program to improve livestock efficiency and marketability in the Northern Communal Areas (NCAs) of Namibia: Various Environmental and Social Impact Assessments for specific projects
UNDP Namibia and Ministry of Mines and Energy, 2020-Namibia	Supporting livelihoods through small-scale mining of semi-precious stones, metals and minerals: Environmental, Health, Safety and Social Guidelines for Small Scale Miners in Namibia
AfDB and Ministry of Agriculture, Water and Forestry, 2019-Namibia	Namibia Water Sector Support Programme: Strategic Environmental and Social Assessment and Environmental and Social Management Framework
Keetmanshoop Medical Practice, 2018-Namibia	Keetmanshoop Private Hospital: Environmental and Social Impact Assessment.
Anpro Hides and Skins, 2018-Namibia	Anpro animal rendering plant and tannery: Environmental Impact Assessment

*\*Tendai has undertaken over 100 ESIA's in Zimbabwe, Namibia and Mozambique. Additional information can be supplied on request.*

## 7. Other relevant information (e.g., Publications)

### Publication:

Socio-ecological impact of telecommunication base transceiver stations across Mutare District, Eastern Zimbabwe: Environmental impact of cell phone towers, 2018- Annals of and Behavioral Sciences Journal Social Volume 3 (1), 2018

**PERSONAL DETAILS**

**Full Names:** Fredrika Ndeutala Shagama  
**Profession:** Hydrogeologist / Geohydrologist &  
Environmental Assessment Practitioner (Consultant)  
**Cellphone No:** +264 (0) 81 407 5536  
**Email address:** [fshagama@gmail.com](mailto:fshagama@gmail.com)  
**Posta Address:** P. O. Box 27318, Windhoek, Namibia  
**Nationality:** Namibian

**PROFESSIONAL PROFILE, CORE SKILLS AND EXPERTISE**

Fredrika is an Environmental and Water Consultant with over 8 years of experience in Groundwater and Environmental Consulting, with experience both in Namibia, South Africa and the Czech Republic. She is a diligent, efficient, focused, hardworking professional, either as an individual or in a team. Her core skills are in Hydrogeology (Groundwater exploration, Supply, Drilling supervision, and Impact Assessment), Geotechnical investigation phase 1, Proposal and Project Technical Report Compilation. Although Fredrika is a geological engineer (Hydrogeologist) by qualification and experience, she has also gained experience in conducting Environmental Impact Assessments (EIAs) and compilation of Environmental Management Plans (EMPs), facilitating EIA Consultation meetings and Stakeholders' Engagement, as well as incorporating specialists' inputs to EIA Reports.

**PROFESSIONAL MEMBERSHIPS (AFFILIATIONS)**

- **International Association of Hydrogeologists** - Full Member, No.139790 [https://iah.org/wp-content/uploads/2019/05/IAHSpring2019Newsletter\\_web.pdf](https://iah.org/wp-content/uploads/2019/05/IAHSpring2019Newsletter_web.pdf) on page 19
- **Namibian Hydrogeological Association** - Member, <http://namhydro.com/wp/members/>
- **Environmental Assessment Professionals of Namibia (EAPAN)** - Ordinary member practitioner, <http://eapan.org/registered-members>, Membership No. 183.

**PROFESSIONAL COURSES OR TRAININGS ATTENDED**

- Groundwater Flow Modelling with GMS (MODFLOW, MODPATH) by AQUAVEO at VSB-Technical University of Ostrava, June 2015
- Groundwater Investigations and Supply Assessment for Technical Reporting and EIA Report Compilation, GCS Water & Environment Consultants & GCS Namibia (Pretoria, 2016 & Windhoek, 2016)
- Hydrocarbon Contamination Assessment (Field Procedures and Report Writing), GCS Water & Environment Consultants (Pretoria, 2016)
- Social Impact Assessment: Stakeholders & Community Engagement Training and Procedures (GCS Namibia, 2017)



**EDUCATIONAL QUALIFICATIONS**

<b>Educational Institution</b>	<b>Qualification obtained</b>	<b>Study period</b>
VSB - Technical University of Ostrava, Czech Republic	<b>PhD. Student: Civil Engineering (Geotechnics &amp; Environmental Hydrogeology)</b>	2020 (ongoing)
VSB - Technical University of Ostrava, Czech Republic	<b>MSc. Geological Engineering (Cum Laude)</b> – with a primary focus in Hydrogeology  <b>Thesis title:</b> <i>Groundwater Pollution Transport from Tsumeb Copper Smelter in Namibia</i>  <b>Professional course attended:</b> Groundwater Flow Modelling with GMS (MODFLOE, MODPATH) by AQUAVEO at VSB-Technical University of Ostrava, June 2015	2013 - 2015
VSB - Technical University of Ostrava, Czech Republic	<b>BSc. Geological Engineering</b>  <b>Mini thesis title:</b> <i>Water Quality Prediction in the Skorpion Mine Pit Lake in Namibia</i>	2010 - 2013
Charles University in Prague, Mariánské Lázně Study Centre (UJOP), Czech Republic	<b>Certificate Level B2</b> , Czech Language for academic purposes	2009
University of Namibia	<b>BSc. Environmental Science &amp; Geology</b> – studies ended upon obtaining a scholarship to study in the Czech Republic	2008 – 2009

**LANGUAGES**

<b>Language</b>	<b>Speaking</b>	<b>Reading</b>	<b>Writing</b>
English	Excellent	Excellent	Excellent
Oshiwambo	Excellent/Native	Excellent/Native	Excellent/Native
Czech	Excellent	Excellent	Excellent

**EMPLOYMENT RECORD**

Since starting her professional career over 8 years ago, Fredrika has been involved in numerous groundwater (hydrogeological), geotechnical, Environmental Impact Assessment projects. Groundwater projects have been focusing on groundwater investigation for new water supply sources, groundwater impact assessment and monitoring. The

specific groundwater, geotechnical and environmental project responsibilities range from proposal writing, technical report compilation, environmental assessment public meeting facilitation, site visits (fieldwork) & supervision, environmental compliance monitoring on sites and project management. The projects have been mainly based in different areas in Namibia, with groundwater projects (monitoring) and hydrocarbon contamination assessments that were based in Limpopo Province and Gauteng (Johannesburg), early 2016, respectively. Since January 2020, under her PhD Study Department of Geotechnics & Underground Engineering (VSB – TU Ostrava) in the Czech Republic, Fredrika has been involved in some technical projects responsible for Groundwater (Data) Management projects for Czech environmental and water management firms/organizations as part of the University-Industry collaborations.

Fredrika has been employed as per order of employment record below:

Period	Name of Employer, Position and Responsibilities
01 Aug 2020 to date	<p><b>Serja Hydrogeo-Environmental Consultants CC (Self-Founded)</b></p> <p><b>Position:</b> Principal Hydrogeologist and Environmental Assessment Practitioner (EAP)</p> <p><b>Responsibilities:</b> Conducting Groundwater (Hydrogeological) Studies (Exploration and Impact Assessment), Groundwater Monitoring, Project Management, Technical &amp; Financial Proposal Compilation, Technical Report compilation, Environmental Impact Assessments (EIAs) and Management Plans, Compiling project technical reports for Groundwater studies (as a specialist's input to EIAs) and adding input into projects' Environmental Management Plans (EMPs) where needed, Renewal of Environmental Clearance Certificates (ECCs) and Conducting Environmental Monitoring (Compliance Auditing) as well as Mentoring/Training of Environmental and Water Management graduates (young consultants)</p>
1 Jan 2020 to date	<p><b>VSB – Technical University of Ostrava, Ostrava</b></p> <p><b>Position:</b> PhD Student: Assistant Hydrogeologist / Groundwater Modeller and Researcher</p> <p><b>Responsibilities:</b> Conducting Research on Water, Geotechnical and Environmental Technical (Industrial) Projects, Data Preparation and Analysis, Numerical Surface Water and Groundwater Modelling (using MIKE SHE and GMS: MODFLOW, respectively – In Training)</p>
1 Apr 2019 to date	<p><b>Independent Water and Environmental Consultant, Windhoek / Ostrava</b></p> <p><b>Responsibilities:</b> Conducting Groundwater studies, Environmental Impact Assessments, advising clients on Environmental and Water management, Project Management, compiling project proposal and technical reports for Groundwater studies (including reports for water permit applications) and Environmental Impact Assessments (EIAs) and Environmental Management Plans (EMPs).</p> <p><b>Major Association/Collaborations</b></p>

**Highlight:** Contracted by the African Development Bank (AfDB) with four other independent consultants for a 3.5-month project under the Ministry of Agriculture, Water and Land Reform (MAWLR) for the *Namibia Water Sector Support Programme's Strategic Environmental & Social Assessment (SESA)* Duration: August 2019 to November 2019.  
[https://www.afdb.org/sites/default/files/documents/environmental-and-social-assessments/namibia\\_water\\_sector\\_support\\_program\\_nwssp\\_phase\\_1\\_esmf\\_p-na-e00-005.pdf](https://www.afdb.org/sites/default/files/documents/environmental-and-social-assessments/namibia_water_sector_support_program_nwssp_phase_1_esmf_p-na-e00-005.pdf).

**1 Jan 2019 – 30 June 2023** **Excel Dynamic Solutions (Pty) Ltd, Windhoek**

**Position: Associate Consultant / Technical Advisor - Hydrogeology and EIAs**

**Responsibilities:** Conducting Groundwater (Hydrogeological) studies, Groundwater Monitoring, Project Management & Staff management, Technical compilation of Groundwater studies and EIA reports and EMPs, Training and mentoring of young Consultants.

**3 Aug 2015 – 31 Dec 2018** **GCS Water Environmental Engineering Namibia (Pty) Ltd (GCS Namibia), Windhoek**

**Position:** Country Hydrogeologist, Environmental Assessment Practitioner (EAP) and Safety, Health & Environmental (SHE) Officer

**Responsibilities:** Conducting Groundwater (Hydrogeological), Geological & Geochemical studies, Geotechnical investigations, Groundwater Monitoring, Air Quality Monitoring, Project Management, Proposal and Technical Report writing and Environmental Impact Assessments & Environmental Management Plans. Further responsibility included training of junior geologists and environmental assessment practitioners and ensuring health and safety implementation in the office.

**1 06 Jul 2014 – 30 Sept 2014** **Dundee Precious Metals Tsumeb (DPMT), Tsumeb**

**Position:** Intern Geologist / Hydrogeologist in the Environmental Department (under the Supervision of GCS Water & Environmental Consultants (Pty) Ltd)

**Responsibilities:** Measuring Groundwater Levels, Water Sampling and Preservation.

#### **SOME OF THE KEY PROJECTS UNDERTAKEN (INCLUDING CLIENTS, RESPONSIBILITIES AND PERIOD/YEAR)**

##### **INFRASTRUCTURAL (ROADS, WATER, TELECOMMUNICATIONS) AND MINING RELATED ENVIRONMENTAL ASSESSMENT STUDIES (EIAs AND WATER STUDIES)**

- Hydrogeological Assessment for the Proposed Upgrade Low Volume Seal (LVS) Bitumen Road For DR3425-DR3447-DR3400 (155km: Sikanduko-Ncaute-Ndonga Linena) in the Kavango East Region: A Part of the Environmental & Social Impact Assessment Study. Client: D&P Consulting Engineers, Archetype Project Consultants, & Tweya Consulting Engineers (DAT-Joint Venture) for Roads Authority of Namibia.

**Responsibilities:** Site/route Visit & Assessment, Groundwater Supply Assessment, Selected stakeholder/public familiarization (pre-consultation meetings), compilation of the Water Supply Assessment Report. **Year:** 2024.

- Hydrogeological Impact Assessment for the Proposed Aquaculture Project and associated Activities near Henties Bay Town in the Erongo Region, Namibia. **Client: EnviroPlan Consulting CC for Blue Ridge Aquaculture Africa (Pty) Ltd. Responsibilities:** Site visit & assessment, and Compilation of the Water Resources (Hydrogeological) Impact Assessment Report. **Year:** 2024.
- Hydrological & Hydrogeological Assessment Study for the Upgrading and Subsequent Operation of a Fleet Management Fuel Station in Windhoek, Khomas Region. **Client: Namibia Environmental Consultants CC for the City of Windhoek. Responsibilities:** Site visit & assessment, and Compilation of the Water Resources (Hydrogeological) Impact Assessment Report. **Year:** 2023/2024.
- Environmental & Social Impact Assessment Studies for the Ruacana South Phase 1 & Katima-Ngoma Phase 3 & 4 and the Reservoir Rural Water Supply Schemes in the Omusati and Zambezi Regions - as part of the Namibia Water Sector Support Program (NWSSP). Namibia. **Client: Ministry of Agriculture, Water and Land Reform (MAWLR). Responsibilities:** Baseline Assessments, Facilitation of Stakeholders Engagement, Compilation of ESIA Reports & ESMPs. **Year:** 2023.
- Hydrogeological Assessment Study for the Construction of Otavi Primary School in Otavi, Otjozondjupa Region. **Client: I.D Building Contractors CC. Responsibilities:** Hydrogeological Baseline Assessment, Site Visit & Assessment, and Compilation of the Hydrogeological Assessment Report. **Year:** 2023
- Groundwater Supply Assessment and Environmental & Social Impact Assessment (ESIA) for the Upgrade to Low Volume Bituminous Seal Standard of the DR3425 Ncaute to Karukuvisa Road (87km) in the Kavango East and West Regions. **Client: D&P Consulting Engineers, Archetype Project Consultants, & Tweya Consulting Engineers (DAT-Joint Venture) for Roads Authority of Namibia. Responsibilities:** Site/route Visit & Assessment, Groundwater Supply Assessment, Stakeholder/public engagement (consultation meetings facilitation), compilation of the Water Supply Assessment & ESIA Reports and ESMP. **Year:** 2023.
- Environmental and Social Scoping Assessments for the Proposed Mineral Prospecting and Exploration Activities on two Exclusive Prospecting Licenses (EPL) No. 8955 situated North of Opuwo Town and 8967 located northwest of Sesfontein in the Kunene Region, Namibia. **Client: Max Kefas Nuseb (under OMAVI Geotechnical & Environmental Services). Responsibilities:** Environmental impact assessments, public & stakeholders' engagement/consultation, Site visits and assessments, compilation of the two EIA Reports and Environmental Management Plans (EMP). **Year:** 2023.
- Environmental Scoping Assessment (ESA) Study for the Proposed Prospecting and Exploration Activities on Two Exclusive Prospecting Licenses (EPLs) No. 8779 & 8780 located northwest of Sesfontein and EPL-8770 near Opuwo Town in the Kunene Region, Namibia. **Client: Tamarillo Investments (Pty) Ltd. Responsibilities:** Environmental impact assessments, public & stakeholders' engagement/consultation, Site visits, compilation of the two EIA Reports and Environmental Management Plans (EMP). **Year:** 2023.
- Environmental Scoping Assessment (ESA) Study for the Proposed Prospecting and Exploration Activities on Exclusive Prospecting License (EPL) No. 8838 at Warmbad Settlement in the //Kharas Region, Namibia. **Client: Mistletoe Investments Pty Ltd. Responsibilities:** Environmental baseline assessment, public & stakeholders' engagement/consultation compilation of the EIA Report and Environmental Management Plan (EMP). **Year:** 2023.

- Environmental & Social Impact Assessment (ESIA) for the Upgrade to Low Volume Bituminous Seal Standard of the DR3425 Ncaute to Karukuvisa Road (87km) in the Kavango East and West Regions. **Client: D&P Consulting Engineers, Archetype Project Consultants, & Tweya Consulting Engineers (DAT-Joint Venture) for Roads Authority of Namibia. Responsibilities:** Site/route Visit & Assessment, Groundwater Supply Assessment, Stakeholder/public engagement (consultation meetings facilitation), compilation of the ESIA Report & ESMP. **Year:** 2023.
- Environmental Impact Assessment (EIA) Studies for the Proposed Dewatering of the Underground Mine through Asis West (AW) and Asis Far West (AFW) shafts and Underground Exploration & Mining Activities and on Mining Licenses (MLs) No. 73B, 16 & 9 at the Kombat Mine in the Otjozondjupa Region, Namibia. **Client: Trigon Mining Namibia (Pty) Ltd (under Excel Dynamic Solutions (Pty) Ltd). Responsibilities:** Environmental impact assessments, public & stakeholders' engagement/consultation, Site visit, Assessment, compilation of the two EIA Reports and Environmental Management Plans (EMPs), and application of the Groundwater abstraction permit. **Year:** 2022/2023.
- Environmental Scoping Assessments (ESAs) Studies for the Proposed Prospecting and Exploration Activities on Exclusive Prospecting License (EPL) No. 7582 located North of Omaruru and EPL-8788 west of Uis in the Erongo Region. **Client: Tarah Hainana. Responsibilities:** Environmental impact assessments, public & stakeholders' engagement meeting, Site visits & Assessments, compilation of the EIA Reports and EMPs. **Year:** 2023.
- Environmental Impact Assessment (EIA) Study for the Establishment of Urban Agricultural Activities on Extension 5 in Karibib, Erongo Region. **Client: Karibib Town Council (under Excel Dynamic Solutions (Pty) Ltd). Responsibilities:** Environmental impact assessment, public & stakeholders' engagement, Site visit & Assessment, compilation of the EIA Report and EMP. **Year:** 2022/2023.
- Development of the Comprehensive Environmental Management Plan (EMP) for the Existing Effluent Treatment Plant in Lüderitz, //Karas Region, Namibia. **Client: Lüderitz Town Council under Excel Dynamic Solutions (Pty) Ltd. Responsibilities:** Project Supervision of 2 interns / graduates working on the project, Site Visits and Assessment, Compilation of the Comprehensive EMP. **Year:** Year: 2022-2023.
- The Physical Environmental Baseline (Soils, Geology, Hydrogeology and Hydrology) for Aquacultural Activities in Dolphin Beach Aqua Park, Walvis Bay in the Erongo Region and for the Maricultural Project Site in Swakopmund, Erongo Region. **Client: KPM Environmental Consultants. Responsibilities:** The Baseline Write-Up of Physical Environment (Soils, Geology, Hydrogeology and Hydrology). **Year:** 2022/2023.
- Desktop Water Resources Assessment as part of the Environmental Impact Assessment (EIA) for the proposed Irrigation Activities in Divundu Settlement, Kavango East Region. **Client: I.N.K Enviro Consultants cc. Responsibilities:** Baseline Assessment of surface & groundwater resources and Compilation of Water Resources Impact Assessment Report. **Year:** 2023
- Hydrogeological (Groundwater) Exploration Study for the siting of 2 new boreholes on Portion 2 of Farm Omapyu South II No. 76 near Omaruru in the Erongo Region. **Client: Mr. G. Narib. Responsibilities:** Desktop Study, Borehole siting, compilation of the Desktop & Siting Report. **Year:** 2022/2023.
- Geohydrological/Hydrogeological Assessment Report as part of the Environmental Impact Assessment (EIA) for the Proposed Mining Activities on the Mining Licence (ML) No. 247 (ML-247) located northeast of Karibib in the Erongo Region, Namibia. **Client: Africa Big Rhino Mining (Pty) Ltd. Responsibilities:** Site visit,

Assessment, compilation of the Groundwater Assessment Report. **Year:** 2022. The compilation of the Technical Report for the Application of Groundwater Abstraction & Use Permit. **Year:** 2023.

- Hydrogeological Assessment Study for the proposed New Landfill within the Karibib Townlands of the Erongo Region, Namibia. **Client:** Karibib Town Council. **Responsibilities:** Site visit, Data collection & analysis, compilation of the Groundwater Impact Assessment Report. **Year:** 2022.
- Desktop Hydrological & Hydrogeological Assessment Study for the Construction (Establishment) and Operation of a Bulk Fuel Storage Facility at the Eros Airport, Windhoek in the Khomas Region, Namibia. **Client:** Central Oil Namibia (Pty) Ltd. **Responsibilities:** Compilation of the Water Resources Impact Assessment Report. **Year:** 2022.
- Socio-economic Impact Assessment (and Action Plan) for B2Gold Otjikoto Mine (current status and mine closure preparation) in the Otjozondjupa Region, Namibia. **Client:** Southern African Institute for Environmental Assessment (SAIEA) for B2Gold Namibia. **Responsibilities:** Conducting Employee Interviews (One-on-One) / Socio-Economic Surveys with the B2Gold Namibia (Ottikoto Mine) employees from the Mining, and Environmental Departments / Sections (for the representative sample of 330 employees). **Year:** 2022
- Hydrogeological Impact Assessment Report for the Proposed Establishment of a Mixed Residential and Commercial Property Development (Avis Ridge) at Avis Dam of the Klein Windhoek Suburb, Windhoek – Khomas Region, Namibia. **Client:** OMAVI Geotechnical & Geo-Environmental Consultants cc for KHD Investments CC. **Responsibilities:** Site visit, Data collection & analysis, compilation of the Groundwater Assessment Report. **Year:** 2022
- Feasibility Study: Upgrading Scenario for MR033 Mata-Mata Border Post - Gochas -Stampriet (291 Km) in the Hardap Region and small part of //Karas Region, Namibia. **Client:** Archetype Project Consultants, D&P Consulting Engineers & Amir Consulting Services (ADA-Joint Venture) for Roads Authority. **Responsibilities:** Site Visit & Assessment, Hydrogeological Impact Assessment, Co-Author of the Environmental & Social Impact Assessment (ESIA) Report & Management Plan (ESMP). **Year:** 2022
- The Strategic Environmental Assessment (SEA) for the Windhoek Municipal Council (City of Windhoek). In the Khomas Region: Strategic Planning for 2020 to 2023. **Client:** Windhoek Municipal Council (City of Windhoek). **Responsibilities:** Compilation of the Hydrogeological (Groundwater) Baseline Status Quo, Impact Assessment & Implementation. **Year:** 2021-2023.
- Environmental Scoping Assessment Study for the Proposed Mineral Prospecting & Exploration Activities on five (5) Exclusive Prospecting Licenses (EPLs) No. 8655, 8656, 8664, 8671 & 8672 located northeast of Gobabis in the Omaheke Region, Namibia. **Client:** Noronex Exploration and Mining Company Pty Ltd, under Excel Dynamic Solutions (Pty) Ltd. **Responsibilities:** Site visit & Assessment, Facilitation of Public Participation & Engagement and Compilation of Environmental Assessment Report & EMP. **Year:** 2022
- Comprehensive Environmental Management Plans (EMPs) for the Existing Solid Waste Dumpsites: Rehoboth in the Hardap Region and Rundu in the Kavango East Region, Namibia. **Client:** Rehoboth Town Council & Rundu Town Council under Excel Dynamic Solutions (Pty) Ltd. **Responsibilities:** Site Visits & Assessments, Data Collection & Analysis, Compilation of Comprehensive EMPs, Project Supervision of the interns / environmental trainees on the projects, and Project Documents Review. **Year:** 2022
- Environmental Impact Assessment (EIA) Study and Development of an Environmental Management Plan (EMP) for the Proposed Oniipa Town Solid Waste Dumpsite in the Oshikoto Region, Namibia. **Client:** Oniipa

- Town Council** under Excel Dynamic Solutions (Pty) Ltd. **Responsibilities:** Site Selection, Visit & Assessment, Facilitation of Public/Stakeholders Consultation & Engagement (including Consultation Meetings), Compilation of the EIA Report & EMP, Project Supervision of the intern / environmental trainee on the project, and Project Documents Review. **Year:** 2022 – ongoing.
- Environmental Management Plan (EMP) for the Existing Rehoboth Solid Waste Dumpsite in Hardap Region, Namibia. **Client: Rehoboth Town Council** under Excel Dynamic Solutions (Pty) Ltd. **Responsibilities:** Project Supervision of 4 interns / graduates working on the projects, Site Visit and Assessment, Data Collection, and Project Documents Review. **Year:** 2022.
  - Environmental Impact Assessment (EIA) Study for the Oxidation Ponds and Sewage Treatment Plant in Eenhana Town, Ohangwena Region, Namibia. **Client: Eenhana Town Council** under Excel Dynamic Solutions (Pty) Ltd. **Responsibilities:** Project Supervision of 4 interns / graduates working on the projects, Site Visits and Assessments, Project Documents Review. **Year:** 2022-ongoing
  - Development of the Environmental Management Plan (EMP) for the Existing Effluent Treatment Plant in Lüderitz, //Karas Region, Namibia. **Client: Lüderitz Town Council** under Excel Dynamic Solutions (Pty) Ltd. **Responsibilities:** Project Supervision of 4 interns / graduates working on the projects, Site Visits and Assessments, Project Documents Review. **Year:** 2022 -current. **Year:** 2022.
  - Environmental and Social Impact Assessment (ESIA) for the Upgrade of the Ohangwena II Wellfield Water Supply Scheme in the Ohangwena Region, Namibia. **Client: NamWater** under Outrun Consultants cc. **Responsibilities (Subcontractor):** Preliminary Public & Stakeholders' Consultation Meetings Facilitation, Site Visit and Assessments. **Year:** 2022.
  - Baseline Water Resources Assessment & Environmental and Social Impact Assessment (ESIA) for the Upgrade of the Ohangwena II Wellfield Water Supply Scheme in the Ohangwena Region, Namibia - as part of the Namibia Water Sector Support Program (NWSSP). **Client: Namibia Water Corporation Limited (NamWater) (under Outrun Consultants CC and Element Consulting Engineers).** **Responsibilities:** Public & Stakeholders' Consultation Meetings Facilitation (6 meetings), Site Visit & Assessments, and contributing author of the ESIA documents. **Year:** 2022-2023.
  - Development of the Environmental Compliance Guideline Manual for the Flexible Land Tenure System (FLTS) Implementation by the Relevant Authorities in Namibia. **Client: Ministry of Agriculture, Water and Land Reform (supported by GIZ Namibia under D&P Engineers and Environmental Consultants.** **Responsibilities:** Compilation of the Guideline Manual and preparation of the Draft FLTS Manual Presentation. **Year:** 2022.
  - Environmental Scoping Assessment (ESA) Study for the Construction, Operation and Decommissioning of a New Waste Dumpsite for the Helao Nafidi Town Council, Ohangwena Region, Namibia. **OMAVI Geotechnical & Geo-Environmental Consultants CC (O. B. O Helao Nafidi Town Council).** **Responsibilities:** Compilation of the ESA Report and Environmental Management & Rehabilitation Plan (EMRP). **Year:** 2022
  - Environmental Assessment for the proposed prospecting and exploration activities on Exclusive Prospecting Licenses (EPLs) No. 8234 & 8323 near Aus, EPL 8350 between Tses & Asab and Gibeon in the //Karas Region and Hardap Region, respectively. **Client: Dwyka Investment CC.** **Responsibilities:** Site visits & Assessments, Facilitation of Public Participation & Engagements and Compilation of Environmental Assessment Reports & EMPs and Project Management. **Year:** 2022

- Renewal, Amendment and Transfer of the Environmental Clearance Certificate (ECC) for the Continued Operation of the Existing Walvis Bay Stone Processing Facility on Farm No. 38 and Reclamation / Rehabilitation of an Abandoned Quarry within the Walvis Bay Rural Constituency, Erongo Region, Namibia. **Client: OMAVI Geotechnical & Geo-Environmental Consultants CC (O. B. O BC Stone Products Namibia (Pty) Ltd).** **Responsibilities:** Compilation of the ECC Renewal, Transfer & Amendment Applications, Environmental Overview, Management & Rehabilitation Plan (EMRP), Public/Stakeholder Updated & Consultation Facilitation, and Site visit & assessment. **Year:** 2022
- Environmental Assessment for the Proposed Construction and Operation of Four Oxidation Ponds in the Tses Village, //Karas Region. **Client: Dunamis Consulting Engineers & Project Managers (Pty) Ltd.** **Responsibilities:** Site visit & Assessment, Facilitation of Public Participation and Compilation of Environmental Assessment Report & EMP as well Bi-Annual Environmental Monitoring. **Year:** 2021 - 2023
- Geohydrological Assessment for the Proposed Upgrade to Bitumen Standard of the DR1953 Karibib-Otjimbingwe Road (56km) in the Erongo Region, Namibia: Road Construction Water Supply. **Client: Tweya Consulting Engineers for Roads Authority of Namibia.** **Responsibilities:** Data collection & analysis, compilation of the Groundwater Report. **Year:** 2021
- Geohydrological Assessment for the Proposed Upgrade to Bitumen Standard of the DR3616 Tsandi-Onesi-Epalela road (48km) in the Omusati Region, Namibia: Road Construction Water Supply. **Client: D&P, Archetype and Tweya (DAT-Joint Venture) Consulting Engineers for Roads Authority of Namibia.** **Responsibilities:** Data collection & analysis, compilation of the Groundwater Report. **Year:** 2021
- The Strategic Environmental Assessment for the Windhoek Municipal Council (City of Windhoek) for the period of 2020 to 2030 in the Khomas Region, Namibia. **Client: Windhoek Municipal Council** (under Excel Dynamic Solutions (Pty Ltd). **Responsibilities:** Groundwater Baseline & Assessment Component and Legal Framework Review. **Year:** 2021 -2022
- Detailed Environmental Assessment for the proposed exploration and mining of dimension stone on Mining Claims No. 71609 to 71617 near Arandis in the Erongo Region, Namibia. **Client: OMAVI Geotechnical & Geo-Environmental Consultants CC (O.B.O Okonde Mining and Exploration CC).** **Responsibilities:** Facilitation of Public Participation, Compilation of Environmental Assessment Report & EMP and incorporating specialists' input into the Report and EMP. **Year:** 2021
- Desktop Geohydrological Assessment (DGA): Proposed Groundwater Abstraction for Agricultural activities along the Orange River between Oranjemund (Namdeb Mining area) and Rosh Pinah in the Oranjemund Constituency, //Karas Region, Namibia. **Client: KPM Environmental Consulting (O.B.O Oranjemund Constituency Office).** **Responsibilities:** Baseline Geohydrological Assessment, Data Analysis and Compilation of the Report. **Year:** 2020
- Hydrogeochemical Data Management of Potential Hydrocarbon Contamination Areas for the Kladno District Project in the Central Bohemian Region, Czech Republic. **Client: Green Gas DPB a.s** (under the VSB Technical University of Ostrava). **Responsibilities:** Groundwater and soil chemistry Data Analysis in Preparation for Reporting & Database entry. **Year:** 2020
- Groundwater Data Management for the Prackovice D8 (highway) Landslide Project in the Litoměřice District, Ústí nad Labem Region of the Czech Republic. **Client: Czech Geological Survey** under VSB-Technical University Ostrava projects. **Responsibilities:** Borehole Data Analysis in Preparation for Reporting & Numerical Modelling. **Year:** 2020



- Environmental Scoping Assessment (ESA) Studies for the Proposed Exploration Activities of Dimension Stone and Industrial Minerals on Exclusive Prospecting Licenses (EPLs) 6139 and 7008 near Karibib in the Erongo Region, Namibia. **Client: OMAVI Geotechnical & Geo-Environmental Consultants CC (O.B.O Agulhas Mineral Resources CC & Naris Mineral Resources CC**, respectively). **Responsibilities:** Facilitation of Public Participation and Engagements, Site visits & assessments, Compilation of Environmental Assessment Reports & EMPs. **Year:** 2020
- Desktop Water Resources Assessments as part of the two Environmental Impact Assessments (EIAs) for the Embankment of Muzii and Nankuntwe Combined School Platforms in the Zambezi Region, Namibia. **Client: I.N.K Enviro Consultants (O.B.O Zambezi Regional Council)**. **Responsibilities:** Baseline Assessment of surface & groundwater resources and Compilation of Water Resources Risk Assessment Reports. **Year:** 2020
- Desktop Geohydrological Assessment (DGA) as part of the Environmental Impact Assessments (EIA) - The Proposed Eco-Friendly Seawater Desalination Plant in Henties Bay, Erongo Region, Namibia. **Client: Namib Eden Trading CC**. **Responsibilities:** Desktop Study and Compilation of the Water Impact Resources Report. **Year:** 2019/2020
- Desktop Geohydrological Assessments as part of the Environmental and Social Impact Assessments (ESIAs) for the Proposed Pilot Desalination Plants in Bethanie Town and Grünau Settlement in the //Karas Region, Namibia. **Client: KPM Environmental Consulting (O.B.O NamWater)**. **Responsibilities:** Baseline Geohydrological Assessment, Data Analysis and Compilation of the two Reports. **Year:** 2019
- A Strategic Environmental and Social Assessment (SESA) / Environmental and Social Management Framework (ESMF) for the Namibia Water Sector Support Program (NWSSP), Namibia. **Client: African Development Bank Group (AfDB) with the Ministry of Agriculture, Water and Land Reform (MAWLR)**. **Responsibilities:** Baseline Hydrogeological and Environmental Assessment, Reports & Framework Compilation, Key Stakeholders Engagement, and Internal Documents Review. **Year:** 2019/2020
- Environmental Assessment (EA) for the proposed Construction and Operation of a Wastewater Treatment Plant for Linus Shashipapo Secondary School in the Kavango East Region, Namibia. **Client: Dunamis Consulting Engineers & Project Managers**. **Responsibilities:** Project Management, Site visit & Assessment, Facilitation of Public Participation (including public meeting) and Compilation of Environmental Assessment Report & EMP. **Year:** 2019
- Hydrogeological Assessment and Groundwater Abstraction and Use Permit Application & Environmental Scoping Assessment for the proposed Lucerne Irrigation Scheme on Farm Klein Nabas 137 (Marlo Portion) near Stampriet, Hardap Region, Namibia. **Client: Green Team Consultants (O.B.O Jonkheer Boerdery Pty Ltd)**. **Responsibilities:** Site visit and assessment, Compilation of Desktop Groundwater Report and Technical Report for Groundwater Permit application and Environmental Assessment Report & EMP. **Year:** 2019
- Hydrogeological Study for the Expansion of Tsumeb Smelter Monitoring network (new boreholes) in the Oshikoto Region, Namibia. **Client: Dundee Precious Metals Tsumeb (DPMT)**. **Responsibilities:** Borehole siting (geophysical survey), Drilling & borehole construction supervision & data analysis. **Year:** 2018
- National Environmental Assessment for the MTC Namibia 100% Population Coverage: Proposed new 554 network towers / sites in all the Regions of Namibia. **Client: Mobile Telecommunications Limited (MTC Namibia)**. **Responsibilities:** Facilitation of (Northern Regions) Regional Focused Consultation Meetings, Compilation of 14 Draft & 14 Generic EMPs, Site visits, Landscape (soil, topography, hydrology, and geohydrology) specialist, and Environmental Assessment Reports. **Year:** 2017-2018

- Updating of the Numerical Groundwater Flow Model for the Lower Kuiseb River Aquifers near Walvis Bay, Erongo Region, Namibia. **Client: Namibia Water Corporation Limited (NamWater).** **Responsibilities:** Co-Training of NamWater Project Staff (Modelling) and Data Collection & Collation, assisted with the updating of the numerical model, and overall Model Update Report Compilation. **Year:** 2018
- Groundwater Monitoring as part of Environmental Audit and Groundwater abstraction & use permit license renewal for Okatji Mine, Erongo Region, Namibia. **Client: Okatji Marble Mine cc.** **Responsibilities:** Compilation of Groundwater Abstraction Permit Report, Training of mine personnel on EMP implementation and groundwater level measurement & sampling and Environmental monitoring report. **Year:** 2017/2018
- Dust monitoring for Otjozondou Mine for a period of 6 months (Aug 2017 to Jan 2018). **Client: Otjozondou Mining (Pty) Ltd.** **Responsibilities:** Training of Site Personnel on bucket installation at site, Monitoring and Monthly Air Quality Report Compilation. **Year:** 2017-2018.
- Baseline Air Quality Assessment for the proposed establishment and operation of an incinerator in Ongwediva, Oshana Region. **Client: Ongwediva Town Council for Excel Dynamic Solutions Pty Ltd.** **Responsibilities:** Site visit, air quality survey and compilation of the Baseline Air Quality Report (under the Supervision of Quentin Hurt/SkySide). **Year:** 2017
- Oranjemund Water Sustainability Study Phase 1 & 2, //Karas Region, Namibia. **Client: Freedthinkers.** **Responsibilities:** Data Analysis, Hydrogeochemical Component & Report Compilation (contributing author). **Year: 2017**
- Geohydrological Investigation of the Groundwater Resources at Outjo and the Possible Impact of the Development of 60 New Residential Plots in the Kunene Region, Namibia. **Client: Municipality of Outjo.** **Responsibilities:** Field Investigation, Project Management, Data collection & Analysis Technical Report Compilation and Client Liaison. **Year:** 2016
- Groundwater Quality Assessment for Sambyu Village Water Supply Scheme, Kavango East Region, Namibia. **Client: Iiso Consulting Namibia O.B.O NamWater.** **Responsibilities:** Groundwater sampling, Site visit, Groundwater impact assessment, Compilation of groundwater quality report and Project management. **Year:** 2017.
- Groundwater Monitoring and Sampling for the De Brochen Project in the Limpopo Province, South Africa. **Client: Anglo American Platinum.** **Responsibilities:** Groundwater Level measurement, Surface water sampling. **Year:** 2016
- Environmental Hydrocarbon Contamination Assessments Phase 1 for Interchain Logistics and Nulaid Fuel Stations in Johannesburg, Gauteng Province, South Africa. **Client: SASOL.** **Responsibilities:** Site Inspection, Measurement of water levels in tank observation wells, Soil Augering, sampling and co-reporting. **Year:** 2016
- Groundwater Pollution and Level Monitoring and Sampling. **Client: Dundee Precious Metals Tsumeb (DPMT)** in the Oshikoto Region, Namibia. **Responsibilities:** Hydrocensus, Borehole profiling and Data analysis. **Year:** 2015 to 2017
- Skorpion Zinc Mine Closure Plan in the //Karas Region, Namibia. **Client: Skorpion Zinc (Pty) Ltd.** **Responsibilities:** Compilation of Mine Closure Report, Geochemical and Groundwater input, Integrating specialists' inputs in EIA report. **Year:** 2015

#### **KEY ENERGY INFRASTRUCTURE PROJECTS' ENVIRONMENTAL ASSESSMENT STUDIES**

- Environmental Impact Assessment (EIA) Supplementary Study to meet IFC Standards – Proposed Construction and Operation Of a 55MW Solar Photovoltaic (PV) Plant and Associated Infrastructures on a Portion of Portion 2 of Farm Klein Spitskop No. 153 near Keetmanshoop, ||Kharas Region. **Client: SolNam Energy (Pty) Ltd. Responsibilities:** Compilation of the Background Information Document (BID), facilitation of public & stakeholders' engagement/consultation meeting, Site visit and assessment, Compilation of the Stakeholder Engagement Plan (SEP), supplementary EIA Report and Environmental Management Plan (EMP). **Year:** 2023.
- Bi-Annual Environmental Monitoring (October 2023 onwards) for the Construction of the Cleanergy Green Hydrogen Demonstration Plant (GHDP) in Walvis Bay Town of the Erongo Region, Namibia. **Client: Cleanergy Solutions Namibia (Pty) Ltd (a JV between Ohlthaver & List and CMB.TECH). Responsibilities:** Site Visit & Auditing, Observations, conducting personnel interviews on Environmental Compliance, and Compilation of the Monitoring Report. **Year:** 2023.
- Environmental Impact Assessment Study and Development of the Environmental Management Plan for the proposed Cleanergy Green Hydrogen Demonstration Plant Environmental Impact Assessment, Walvis Bay, Namibia. **Client: Client: Cleanergy Solutions Namibia (Pty) Ltd (a JV between Ohlthaver & List and CMB.TECH). Responsibilities:** Project Consultant under SRK Consulting South Africa) (Pty) Ltd. **Year:** 2022.
- Environmental Impact Assessment (EIA) for the Environmental Clearance Certificate (ECC) of the Construction and operational activities of a 5-megawatt (MW) Solar (Photovoltaic) Power Plant and ongoing Bi-Annual Environmental Monitoring in Okatope, Oshikoto Region, Namibia. **Client: Unisun Energy (Pty) Ltd (Enertronica Santerno Group (Italy)). Responsibilities:** Environmental Clearance Certificate Renewal Report, Site Visit, Environmental Compliance Check, Project Management, and Continued Environmental auditing. **Year:** 2021 to date.
- Environmental Impact Assessment (EIA) amendment for the ECC of the 22.80 Mega-Watt (MW) Trekkopje Solar (Photovoltaic) Park and ongoing Bi-Annual Environmental Monitoring near Arandis in the Erongo Region, Namibia. **Client: Sertum Energy Namibia Pty Ltd. Responsibilities:** Compilation of the ECC Renewal Report/Updating the EMP, Site Assessment, Project Management, and Continued / Ongoing Bi-Annual Environmental Auditing. **Year:** 2020 to date.
- Comprehensive Draft Environmental Management Plan (EMP) for the Operations and Maintenance of the Existing 3-Megawatt (MW) Solar Photovoltaic (PV) Park within the Townlands of Arandis in the Erongo Region, Namibia: An Application for Environmental Clearance Certificate (ECC). **Client: OLC Arandis Solar Energy Pty Ltd. Responsibilities:** Site Visit & Auditing, Compilation of the Comprehensive EMP and Project Management. **Year:** 2022.
- Environmental Scoping Assessment (ESA) for the Proposed Construction and Operation of a 125km 33kv Overhead Power Distribution Line from Maroelaboom to Mangetti Dune in the Otjozondjupa Region. **Client: Central North Regional Electricity Distributor (CENORED). Responsibilities:** Environmental impact assessment, public & stakeholders engagement, Site/route visit, Assessment, compilation of the EIA Report and EMP. **Year:** 2020.
- Environmental Scoping Assessment for the Proposed Construction of a 5-Megawatt (MW) Solar Photovoltaic (PV) Plant on Sollum Farm No 251 Alleem Kamp near Aranos, Hardap Region, Namibia. **Client: Climate Dynamics cc (O.B.O. Sollum Solar Power CC). Responsibilities:** Site visit, Compilation of the

Environmental Report and EMP, Co-Facilitation of Public Engagement (as per IFC Standards) and Lead Environmental Assessment Practitioner and Advisor. **Year:** 2019.

- Environmental Assessments of two 66 kV powerlines for the Solar PV sites near Keetmanshoop, //Karas Region and Mariental, Hardap Region, Namibia. **Client: GreeNam Electricity (Pty) Ltd. Responsibilities:** Compilation of Environmental Assessment Reports & EMPs and Public Consultation. **Year:** 2017.

**REFERENCES**

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**Prof. Ing. Nada Rapantova, CSc. (Professor and PhD Study Supervisor)**

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Email: [nada.rapantova@vsb.cz](mailto:nada.rapantova@vsb.cz)

**Certification:**

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my educational qualifications, and professional experience.



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Signature

**Date: 10 February 2024**

# EAPAN



ENVIRONMENTAL ASSESSMENT PROFESSIONALS OF NAMIBIA

## ***PROFESSIONAL MEMBERSHIP 2024***

*This is to certify that*

*Fredrika Shagama*

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*Is a registered member of EAPAN under the following  
membership category*

***“PRACTITIONER”***

A handwritten signature in black ink, appearing to be 'H. Shagama'.

*President*

A handwritten signature in black ink, appearing to be 'H. Petrus'.

*Secretary*

***Membership No: 183***

*Valid from 01 January 2024 to 31 December 2024*

# ADIEL.TAFARA.MUDZANAPABWE

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## PERSONAL INFO

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## EXPERIENCE

**JANUARY 2020 – FEBRUARY 2020**

**INTERN, NAMIBRAND NATURE RESERVE**

Worked as an intern with the senior field rangers attending to day to day maintenance of the reserve e.g. waterhole maintenance, hunting, borehole replacement and fencing.

**23 SEPTEMBER 2018**

**STUDENT VOLUNTEER, WATERBERG PLATEAU PARK**

Volunteered on a 48 hour game count in the park as part of an assignment.

**MARCH 2019 & FEBRUARY 2020**

**STUDENT, WATER, WETLANDS AND FORESTRY DAY**

Worked as a student volunteer educating and raising awareness with learners from schools in Rehoboth and Windhoek on Water, Wetlands and Forestry day.

**NOVEMBER 2021**

**STUDENT, SavanaCAP PROJECT**

Assisted a student research project in Data collection under the management of NCE.

**AUGUST 2022**

**PART-TIME TOUR GUIDE & DRIVER, DON TOURS AND SAFARIS**

Work part time for Don Tours & Safaris as a tour guide and driver.

## EDUCATION

### GRADUATED IN:

APRIL 2022

**BACHELOR OF NATURAL RESOURCE MANAGEMENT HONOURS**, NAMIBIA UNIVERSITY OF SCIENCE & TECHNOLOGY

JUNE 2021

**BACHELOR OF NATURAL RESOURCE MANAGEMENT (NATURE CONSERVATION)**, NAMIBIA UNIVERSITY OF SCIENCE & TECHNOLOGY

### CURRENTLY PURSUING:

JANUARY 2023

**MASTERS OF NATURAL RESOURCES MANAGEMEN**  
NAMIBIA UNIVERSITY OF SCIENCE & TECHNOLOGY

## SKILLS

- GOOD COMMUNICATION SKILLS
- ADAPTABILITY & FLEXIBILITY
- BASIC COMPUTER SKILLS
- DECISION MAKING WHEN REQUIRED
- GOOD FIELD WORK SKILLS
- FIRST AID
- TECHNICAL AND HANDY MAN SKILLS
- OFF-ROAD (4X4) VEHICLE DRIVING SKILLS
- ASSITING IN OTHER AREAS WHEN IN SHORTAGE (CAN WORK BEYOND BOUNDARIES OF JOB DESCRIPTION)

## COMMENT

I want to enhance my knowledge and capabilities of good services, I am also a hardworking pro-active young man who is also a fast learner. I would like to practice my knowledge which I have obtained for the duration of my time in tertiary level in the industry and gain exposure to diverse skills in environmental activities.

## REFERENCE

Namibia University of Science & Technology

- Dr. Jonathan Kamwi ( H.O.D)  
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[jkamwi@nust.na](mailto:jkamwi@nust.na)
- Dr. Tendai Nzuma (Vice H.O.D)

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