

1. Family name Kasinganeti
2. First names: Tendai Evidence
3. Date of birth: 27. November 1991
4. Nationality: **Namibia Residency**
5. Civil status: Single
6. Education:

Institution	Namibia University of Science and Technology, Windhoek
Date:	01/2019) to (04/2021
Degree	MSc Geoinformation Science and Earth Observation (Natural Resources Management)

Institution	Midlands State University, Gweru
Date:	05/2011 – 05/2015
Degree	BSc Honours in Geography and Environmental Science (SAQA Certified)

Institution	International university of Management
Date:	01/2021-Ongoing
Degree	Master of Integrated Environmental Management and Sustainability, Windhoek

7. Language skills, mark 1 (worst) to 5 (best) for competence

Language	Reading	Speaking	Writing
English	1	1	1
Shona	1	1	1
Afrikaans	3	3	3

8. Membership of professional bodies: **Environmental Assessment Professionals Association of Namibia (EAPAN), International Association for Impact Assessment (IAIA)**

9. Other skills: GIS Mapping, CAD, Remote Sensing, Stakeholders Engagement

10. Present position: **Environmental and Social Expert / Climate Policy Expert**

11. Years of Professional Experience: 9

12. Key expertise & qualifications

- Strong expertise in analyzing and interpreting legal and regulatory procedures and instruments, as well as the existing Environmental and Social legal/regulatory frameworks.
- Extensive experience in providing advisory services on environmental and climate-related matters, including environmental management, climate policies, climate finance, sustainable development, clean energy, sustainable land management, and food security.
- Competence in program management, including the ability to develop and implement reporting mechanisms, conduct impact assessments, and establish frameworks and guidelines for effective environmental and social management.
- Proven capacity to collaborate with a diverse range of stakeholders, including regional bodies like the Southern African Development Community (SADC), government entities such as the Ministry of Agriculture, Water and Land Reform (MAWLR) in Namibia, development agencies like GIZ, international organizations such as the African Development Bank (AfDB) and the European Union (EU), NGOs like the Centre for Natural Resources and Governance (CNRG) and the Zimbabwe Environmental Lawyers Association (ZELA), as well as entities like UNFAO, the African Union, UNDP, Caritas International, and other multilateral and private organizations.
- In-depth familiarity with the IFC Environmental Health and Safety Guidelines, IFC Performance Standards on Environmental and Social Sustainability, and Equator Principles for Environmental and Social Assessment, ensuring adherence to international best practices in environmental and social sustainability.

13. Specific country experience:

Country	Date:
Namibia	01/2016-Date
Zimbabwe	08/2014-11/2015, 05/2019-09/2019
Botswana (SADC Project-9 SADC countries)	04/2021-09/2021

14. Professional experience

Date:	Location	Company & Reference	Position	Description
10/2021-date	Opuwo, Namibia	<p>GIZ Namibia</p> <p>Mr. Peing Shekuhungama</p> <p>Technical Advisor- Inclusive Sustainable Urban Development Programme in Namibia</p> <p>peingondjabi.shekuhungama@giz.de</p>	Lead Environmental Assessment Expert	<p>Project: Inclusive Sustainable Urban Development (ISUD)-Strategic Environmental and Social Impact Assessment for the Opuwo Town Master Plan.</p> <p>Main project features:</p> <ul style="list-style-type: none"> • Strategic Environmental and Social Impact Assessment (SESIA)/ • Environmental and Social Management Plan (ESMP) <p>Activities performed:</p> <ul style="list-style-type: none"> • Provided environmental scoping assessment to identify and evaluate potential environmental impacts and social considerations associated with the upgrading of the three informal settlements in Opuwo Town Council. • Reviewed national, regional, and international legal frameworks to ensure compliance and alignment with environmental and social standards and guidelines. • Facilitated public and stakeholder consultation processes to gather input, address concerns, and ensure meaningful participation in the decision-making process. • Conducted feasibility assessment to evaluate the viability and practicality of proposed interventions within the Opuwo Town Master Plan. • Carried out socio-economic assessment to analyze the impacts on livelihoods, economic activities, access to services, and community well-being. • Supervised specialized assessments conducted by consultants and experts in areas such as environmental impact assessments, social impact assessments, biodiversity surveys, and cultural heritage assessments. • Developed sensitivity maps to identify and delineate environmentally and socially sensitive areas within the project site. • Prepared an Environmental and Social Management Plan (ESMP) outlining mitigation measures, monitoring protocols, and management actions to address identified environmental and social impacts. • Provided advisory services to GIZ and Opuwo Town Council, ensuring compliance with GIZ Environmental and Social Safeguards, as well as IFC Environmental, Social, Health, and Safety standards. • Liaised with stakeholders, including the Development Workshop and Namibia Shackdwellers Association, to incorporate their perspectives and address their concerns. • Delivered training and capacity-building initiatives to enhance understanding of environmental and social considerations among project stakeholders.

Date:	Location	Company & Reference	Position	Description
09/2022-09/2025	Namibia	<p>GFA Consulting/ KfW- Poverty-oriented Development of Infrastructure in Urban Areas in Namibia, A+F Measure</p> <p>Mr. Stephen Muthua Tema Leader Stephen.Muthua@gfa-group.de</p>	Environmental and Sustainability Expert	<p>Project: Poverty-oriented Development of Infrastructure in Urban Areas in Namibia, A+F Measure</p> <p>Main project features:</p> <p>Activities performed:</p> <ul style="list-style-type: none"> • Conducted an assessment of the environmental and social safeguards required for the three interventions (Land development, Bulk services, Health and Sanitation in informal settlements covering 9 towns/cities in Namibia). • Provided technical advice and guidance on incorporating environmental and social safeguards into project plans, designs, and implementation strategies. • Reviewed and analyzed the KfW, IFC, and national regulations and compliance requirements to ensure alignment and adherence to environmental and social standards. • Developed and implemented environmental and social management systems to monitor and mitigate potential impacts throughout the project. • Collaborated with relevant stakeholders, including government agencies, international organizations, and private entities, to promote sustainable practices and ensure compliance with environmental and social regulations. • Prepared reports, documentation, and progress updates on environmental and social performance, addressing key compliance requirements. • Conducted regular audits and inspections to assess the effectiveness of environmental and social safeguards and identify areas for improvement. • Provided training and capacity-building initiatives to project stakeholders, raising awareness about environmental and social responsibilities and promoting best practices. • Supported the development and implementation of policies and guidelines for environmental and social sustainability within the RH2 sector. • Participated in stakeholder consultations and engagement activities to gather input, address concerns, and foster transparency and accountability within the RH2 sector. • Monitored and reported on the progress of environmental and social performance indicators, evaluating the sector's sustainability and identifying opportunities for continuous improvement
07/2022-07/2023	Namibia	UNDP Namibia	Climate Policy Expert-Carbon Markets	<p>Project: Climate Change Mitigation and Carbon Market Development in Namibia</p> <p>Main project features:</p>

Date:	Location	Company & Reference	Position	Description
		<p>Development of Namibia's carbon Markets Framework</p> <p>Ms Uazamo Kaura Programme Specialist (SEMR Portfolio)</p> <p>uazamo.kaura1@undp.org</p>		<ul style="list-style-type: none"> • Implementation of climate change mitigation strategies and the development of carbon market mechanisms in Namibia. • Promotion of various carbon projects, including green hydrogen, forest carbon, e-vehicles, off-grid systems, biodiversity payment systems, and carbon rice farming. • Collaboration with development agencies, project developers, carbon credit offtake entities, and other stakeholders to explore project opportunities and facilitate the adoption of international standards. <p>Activities performed:</p> <ul style="list-style-type: none"> • Provided expertise in carbon project activation, including training and awareness-building initiatives to enhance understanding and participation in carbon markets. • Led a team in the development of diverse carbon projects, such as green hydrogen, forest carbon, e-vehicles, off-grid systems, biodiversity payment systems, and carbon rice farming. This involved project design, feasibility assessments, and the development of carbon methodologies and accounting frameworks. • Engaged in discussions and negotiations with development agencies, project developers, and carbon credit offtake entities to identify potential collaboration opportunities and partnerships. • Advised on bilateral agreements related to carbon projects, facilitating the exchange of knowledge, technology, and financial resources for project implementation. • Provided guidance on the adaptation of international standards, such as Verified Carbon Standard (VCS), Gold Standard, or Climate, Community & Biodiversity Standards (CCBS), to align carbon projects with global best practices. • Collaborated with stakeholders to explore innovative financing mechanisms, such as results-based payments or carbon offsetting, to support the implementation and financial sustainability of carbon projects. • Conducted assessments and analyses to evaluate the carbon mitigation potential, co-benefits, and social and environmental impacts of different project types. • Assisted in the development and submission of project proposals, including the preparation of project documentation, carbon quantification methodologies, and monitoring plans. • Monitored and evaluated the performance and progress of carbon projects, tracking the generation and issuance of carbon credits.

Date:	Location	Company & Reference	Position	Description
				<ul style="list-style-type: none"> • Provided technical advice on the development and implementation of carbon pricing mechanisms, such as carbon taxes or emissions trading systems, to support the integration of carbon markets into national policy frameworks. • Contributed to the broader climate policy discussions and advocacy efforts, promoting the role of carbon markets in achieving climate change mitigation goals.
01/2023-06/2023	Zimbabwe	FBC Bank/GCF Mr. Desire Nemashakwe Climate Finance Specialist <u>Desire.Nemashakwe@fbc.co.zw</u>	Climate and Environment Expert	Project: National Green Resilient Recovery Rapid Readiness Support Project for Zimbabwe (ZWE-RS-004) Main project features: <ul style="list-style-type: none"> • Development of pre-feasibility studies and concept notes for three key project areas: geothermal energy generation, green hydrogen for fertilizer production, and climate-smart agriculture and digitalization. • Aim to secure funding from the Green Climate Fund (GCF) to support Zimbabwe's national green recovery and resilience-building efforts. Activities performed: <ul style="list-style-type: none"> • Conducted comprehensive research and analysis to develop pre-feasibility studies and concept notes for the identified project areas. • Assessed the technical and environmental feasibility of geothermal energy generation projects, including resource potential, infrastructure requirements, and potential environmental impacts. • Provided expertise in the development of green hydrogen projects for fertilizer production, including assessing the viability of hydrogen production technologies, potential carbon emissions reductions, and environmental considerations. • Conducted assessments and provided guidance on climate-smart agriculture and digitalization initiatives, evaluating sustainable farming practices, the integration of digital technologies, and the potential for enhancing resilience and reducing greenhouse gas emissions • Worked closely with the project team and stakeholders to ensure alignment with national climate change and environmental policies, strategies, and objectives. • Collaborated with FBC Zimbabwe in the preparation and submission of concept notes to the Green Climate Fund, ensuring compliance with the fund's requirements and guidelines.

Date:	Location	Company & Reference	Position	Description
				<ul style="list-style-type: none"> • Conducted stakeholder consultations and engagement activities to gather input, incorporate diverse perspectives, and address social and environmental considerations. • Assessed potential co-benefits of the proposed projects, such as job creation, income generation, and sustainable development outcomes. • Prepared reports, documentation, and presentations to communicate project concepts, feasibility findings, and anticipated environmental and social impacts. • Integrated environmental and social safeguards into project designs and proposed mitigation measures to minimize adverse effects and enhance positive outcomes. ▪ Contributed to the overall strategic planning and coordination of the National Green Resilient Recovery Rapid Readiness Support project for Zimbabwe, ensuring a holistic approach to climate and environmental considerations.
07/2020-12/2021	Namibia, Countrywide (14 Regions)	Ministry of Agriculture, Water and Land Reform and GIZ Namibia Mr. Peing Shekuhungama Technical Advisor-Inclusive Sustainable Urban Development Programme in Namibia peingondjabi.shekuhungama@giz.de	Lead Environmental Assessment Expert	Project: Strategic Environmental Scoping Assessment and Development of Generic Environmental and Social Management Plan for the Flexible land Tenure System Program in Namibia Main project features: <ul style="list-style-type: none"> • Conducting a Strategic Environmental and Scoping Assessment (SESA) to identify and assess the potential environmental and social impacts of the FLTS program. • Development of a Generic Environmental and Social Management Plan (ESMP) to guide the implementation and monitoring of environmental and social safeguards throughout the program. Activities performed: <ul style="list-style-type: none"> • Led the Environmental Scoping Assessment process, including the identification and evaluation of potential environmental and social impacts associated with the FLTS program. • Conducted a comprehensive review of the national, regional, and international legal frameworks relevant to environmental and social aspects, ensuring compliance and alignment with best practices. • Facilitated public and stakeholder consultations to gather input, concerns, and feedback regarding the program's environmental and social considerations. • Worked collaboratively with local authorities to address their concerns and align them with the generic ESMP, ensuring the integration of local perspectives and requirements.

Date:	Location	Company & Reference	Position	Description
				<ul style="list-style-type: none"> • Developed the Generic Environmental and Social Management Plan, which outlines the measures, protocols, and guidelines for managing and mitigating environmental and social risks and impacts. • Organized and conducted environmental compliance workshops, providing training and capacity building to stakeholders involved in the FLTS program. The workshops focused on the Namibian legal frameworks and the Environmental, Social, Health, and Safety (ESHS) standards of the International Finance Corporation (IFC). • Contributed to the overall strategic planning and coordination of the FLTS program, ensuring that environmental compliance and social safeguards were effectively integrated into the program's objectives and activities. • Provided guidance and support in monitoring and ensuring the implementation of the ESMP, including the development of monitoring frameworks, indicators, and reporting mechanisms. • Conducted regular assessments to evaluate the program's environmental compliance, identifying any deviations or areas of improvement and proposing corrective actions as needed. • Engaged in continuous training and capacity-building initiatives to enhance stakeholders' understanding and knowledge of environmental compliance requirements and best practices.
11/2020-09/2021	Countrywide	Ministry of Agriculture, Water and Land Reform Mr. Peing Shekuhungama Technical Advisor-Inclusive Sustainable Urban Development Programme in Namibia peingondjabi.shekuhungama@giz.de	Environmental Compliance Specialist	Project: Development of Manual Guidelines for Environmental Compliance under the Flexible Land Tenure System (FLT) for Upgrading of Informal Settlements in Namibia Main project features: <ul style="list-style-type: none"> • Engagement with stakeholders at ministerial and cabinet levels to ensure their involvement and alignment with environmental compliance efforts. • Development of an Environmental Compliance Guideline that conforms to Namibian laws and regulations, as well as the Environmental and Social Safeguard policies of the International Finance Corporation (IFC). Activities performed: <ul style="list-style-type: none"> • Conducted stakeholders' consultation meetings with relevant ministries, cabinet members, and other stakeholders to gather input, perspectives, and feedback regarding environmental compliance considerations for the FLT program.

Date:	Location	Company & Reference	Position	Description
				<ul style="list-style-type: none"> Reviewed the existing legal frameworks and regulations in Namibia to identify gaps and opportunities for integrating environmental compliance requirements into the Flexible Land Tenure System. Developed a comprehensive guideline manual on environmental compliance tailored specifically for the FLT program, encompassing the necessary procedures, standards, and best practices to ensure compliance with environmental laws and regulations. Provided training and capacity building sessions to stakeholders involved in the FLT program, focusing on the utilization and implementation of the developed manual guideline. Engaged in continuous dialogue and consultation with stakeholders to address their concerns, incorporate their feedback, and ensure their active participation in the environmental compliance process. Collaborated with relevant government agencies and institutions to align the environmental compliance efforts with existing policies, strategies, and frameworks. Worked closely with the Ministry of Environment and other key stakeholders to promote awareness and understanding of the environmental compliance requirements and their significance for the upgrading of informal settlements. Monitored and evaluated the implementation of the Environmental Compliance Guideline, identifying areas for improvement and proposing adjustments as necessary. Contributed to the overall strategic planning and coordination of the FLT program, ensuring the integration of environmental compliance as a key component of the program's objectives and activities
04/2021-September 2021	SADC Region	SADC Secretariat and GIZ Botswana Mr. Petros Shayanowako Programme Specialist (SADC Support to Industrialisation in the Productive Sectors) SIPS	Environmental and Climate Advisor	<p>Project: Implementation of the Support to Industrialisation and Productive Sectors (SIPS) in the SADC Region</p> <p>Main project features:</p> <ul style="list-style-type: none"> Conducting Environment and Climate Impact Assessments to evaluate the potential environmental and climate implications of the SIPS project. <p>Activities performed:</p> <ul style="list-style-type: none"> Organized and facilitated regional consultative workshops involving representatives from all SADC member states to gather input, insights, and perspectives on environmental compliance and climate sustainability aspects of the SIPS project.

Date:	Location	Company & Reference	Position	Description
		petros.shayanowako@giz.de		<ul style="list-style-type: none"> • Conducted a comprehensive legislative review of environmental compliance legislation in all SADC member states, as well as regional environmental policies, to ensure alignment with environmental standards, regulations, and best practices. • Led a Climate Impact Assessment study to assess the potential climate-related risks and vulnerabilities associated with the SIPS project, including the identification of climate change adaptation and mitigation measures. • Conducted an Environmental Impact Assessment study to evaluate the potential environmental impacts of the SIPS project, considering factors such as air quality, water resources, biodiversity, waste management, and land use. • Engaged in extensive consultation with key stakeholders, including government agencies, local communities, non-governmental organizations, and industry representatives, in all SADC countries to ensure their participation, understanding, and alignment with the project's environmental, resource, and climate sustainability objectives. • Provided advisory services to the GIZ and the SADC Secretariat regarding environmental compliance and climate sustainability aspects of the SIPS project, offering expert guidance and recommendations. • Collaborated closely with project stakeholders and partner organizations to promote awareness and understanding of environmental and climate considerations, encouraging the adoption of sustainable practices and the incorporation of environmental safeguards throughout the project's implementation. • Monitored and evaluated the environmental and climate performance of the SIPS project, identifying potential gaps, risks, and opportunities for improvement, and proposing appropriate measures to enhance environmental and climate sustainability. • Contributed to the development and implementation of capacity building initiatives, workshops, and training programs aimed at enhancing environmental awareness, knowledge, and skills among project stakeholders and implementing partners.
04/2019-January 2020	Namibia, Countrywide	African Development Bank (AfDB) and Ministry of Agriculture, Water and Land Reform (MAWLR). Ms. Muja, Annah Rutebuka	Environmental and Social Safeguards Expert	<p>Project: The Namibia Water Sector Support Programme (NWSSP)</p> <p>Main project features:</p> <ul style="list-style-type: none"> • Conducting stakeholders engagement at regional and ministerial levels to ensure effective participation and collaboration in the implementation of the NWSSP. • Developing a Strategic Environmental Scoping Report to identify potential environmental impacts, risks, and mitigation measures associated with the water sector support programme.

Date:	Location	Company & Reference	Position	Description
		Head Environmental Safeguards A.RUTEBUKA@afdb.org		<ul style="list-style-type: none"> • Establishing a Strategic Environmental and Social Management Framework to guide the integration of environmental and social considerations throughout the project lifecycle. • Designing and implementing a Grievance Redressal Mechanism to address any concerns or complaints related to environmental and social impacts arising from the NWSSP. • Developing a Resettlement and Compensation Plan to address any potential displacement or adverse socio-economic impacts resulting from project activities. • Implementing Environmental, Social, Health, and Safety (ESHS) construction compliance monitoring and reporting systems to ensure adherence to environmental and social safeguard requirements during project implementation. <p>Activities performed:</p> <ul style="list-style-type: none"> • Organized and facilitated stakeholders consultation meetings to engage relevant stakeholders, including local communities, government agencies, non-governmental organizations, and other key actors, to gather their inputs, perspectives, and feedback on the NWSSP. • Conducted a comprehensive review of legal frameworks and regulations related to environmental and social safeguards to ensure compliance with the requirements set forth by the African Development Bank (AfDB) and the International Finance Corporation (IFC). • Coordinated and participated in consultative workshops aimed at fostering dialogue and knowledge sharing among stakeholders, promoting a shared understanding of environmental compliance requirements and best practices. • Prepared reports documenting the findings of environmental assessments, stakeholder consultations, and compliance reviews, providing clear and concise recommendations for addressing any identified gaps and enhancing environmental and social safeguard measures. • Provided training and capacity building initiatives to project stakeholders, including government officials, project staff, and implementing partners, to enhance their understanding of environmental and social issues, compliance requirements, and effective environmental management practices. • Collaborated closely with the programme's technical expert to ensure alignment and integration of environmental considerations within the overall project planning, design, and implementation processes.

Date:	Location	Company & Reference	Position	Description
				<ul style="list-style-type: none"> Presented key findings, progress updates, and recommendations to the Ministry of Agriculture, Water, and Land Reform (MAWLR) and other relevant authorities, promoting transparency, accountability, and informed decision-making.
11/2019-06/2020	Northern Region-Namibia	Ministry of Agriculture, Water and Land Reform and European Union. Mr. Hendrik Boshoff Burmesister and Partners Consulting Engineers Project Design Engineer hboshoff@burmeister.com.na	Environmental Assessment Practitioner	Project: 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. The project received funding from the European Union, and assessments were carried out in accordance with the International Finance Corporation (IFC) Environmental and Social Health and Safety (ESHS) guidelines, as well as Namibian Environmental Regulations. Main project features: <ul style="list-style-type: none"> Conducting stakeholders engagement activities to involve relevant stakeholders such as local communities, government agencies, experts, and other key actors in the project planning and decision-making processes. Undertaking specialist assessments in fields such as hydrology, vegetation, culture, and heritage to comprehensively evaluate the potential environmental and social impacts associated with the establishment of green schemes feedlots. Developing Environmental and Social Impact Assessments (ESIAs) that identify, assess, and propose mitigation measures for the potential adverse impacts on the environment and local communities. Integrating stakeholder feedback and addressing concerns raised during the environmental and social impact assessment process. Activities performed: <ul style="list-style-type: none"> Organized and facilitated stakeholders consultation meetings to gather input and feedback from relevant stakeholders, including local communities, government agencies, and experts. These consultations helped ensure that the project's environmental and social aspects were considered and addressed appropriately. Conducted baseline assessments to establish the existing environmental and social conditions in the project area, providing a foundation for impact assessment and monitoring. Undertook specialist assessments in key areas such as hydrology, vegetation, and culture and heritage to understand the specific environmental and social aspects relevant to the green schemes feedlots. Developed Environmental and Social Impact Assessments (ESIAs) that identified and evaluated potential environmental and social impacts associated with the project.

Date:	Location	Company & Reference	Position	Description
				<p>These assessments also proposed appropriate mitigation measures to minimize or avoid adverse effects.</p> <ul style="list-style-type: none"> Monitored and ensured compliance with Environmental, Social, Health, and Safety (ESHS) standards during the construction phase of the project, actively addressing any non-compliance issues and providing guidance on corrective actions.
01/2018-11/2018	Zimbabwe, Zambia	<p>Centre for Natural Resources Governance</p> <p>Mr. Farai maguwu Director and Board member fmaguwu@gmail.com</p>	Environmental and Social Assessment Practitioner	<p>Project: Assessment of Threats Posed by the Coal Sector along the Zambezi River</p> <p>Main project features:</p> <ul style="list-style-type: none"> Stakeholder consultation and engagement Literature review and research on the environmental impacts of the coal sector Document development highlighting the threats of coal mining <p>Activities performed:</p> <ul style="list-style-type: none"> Conducted stakeholder consultation sessions to gather input and perspectives from communities, environmental organizations, and other relevant stakeholders affected by coal mining along the Zambezi River. These consultations aimed to understand the concerns and interests of the local communities and ensure their voices were heard in the assessment. Conducted a comprehensive literature review, researching and analyzing existing studies, reports, and data related to the environmental impacts of the coal sector along the Zambezi River. This step helped gather evidence and information to support the assessment and document development. Developed a comprehensive document that highlighted the threats and potential impacts of coal mining activities along the Zambezi River. The document presented findings from the literature review, stakeholder consultations, and additional research, outlining the environmental risks and social implications associated with coal mining in the region. Shared the document with the Parliamentary Portfolio Committee on Mining and Environment, providing them with valuable information for their briefing and discussions on coal mining in Zimbabwe. The report helped raise awareness among policymakers and contributed to informed decision-making regarding the coal sector. Shared the document with the Zambian government to inform them about the potential implications of coal mining on the Zambezi River. This step aimed to facilitate cross-border dialogue and collaboration in addressing shared environmental concerns.
03/2016-10/2018	Namibia	<p>D&P Engineers and Environmental Consultants cc</p> <p>Mr. Timo David Technical Director tdavid@dpe.com.na</p>	Environmental and Sustainability Consultant	<p>Duties and Responsibilities</p> <p>The role involved 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,</p>

Date:	Location	Company & Reference	Position	Description
				<p>national parks management, infrastructure development, Renewable Energy projects and Training and Capacity building exercises. The Major roles included the following:</p> <p>Coordinating and managing environmental management projects i.e.:</p> <ul style="list-style-type: none"> • 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). <p>Providing Spatial Planning support for land Planning projects i.e.:</p> <ul style="list-style-type: none"> • 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
08/2018-02/2016	Zimbabwe	<p>NWAS Consulting, Zimbabwe</p> <p>Mr. Anesu Mudiwa Director Ane.mudiwa@gmail.com</p>	<p>Junior Environmental Consultan (2015-2016)</p> <p>Environmental Intern (2014-2015)</p>	<p>Duties and Responsibility</p> <ul style="list-style-type: none"> • Baseline surveys for EIA projects (Social, ecological, economic and political impact Assessment) • Environmental Management Plan 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)

Date:	Location	Company & Reference	Position	Description
				<ul style="list-style-type: none"> • Air emissions monitoring and testing • Social Impact Assessment & Social Corporate Responsibility Plans • Project Management for projects assigned to.

15. Others (e.g. publications): 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

Thursday, May 18, 2023 Windhoek
Place, date



Signature Expert

PERSONAL DETAILS

Full Names: Fredrika Ndeutala Shagama

Profession: Hydrogeologist / Geohydrologist &
Environmental Assessment Practitioner (Consultant)

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Nationality: Namibian

**PROFESSIONAL PROFILE, CORE SKILLS AND EXPERTISE**

Fredrika is a Geological Engineer (Hydrogeologist) 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 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.

EDUCATIONAL QUALIFICATIONS

Educational Institution	Qualification obtained	Study period
VSB - Technical University of Ostrava, Czech Republic	PhD. Student: Civil Engineering (Geotechnics & Environmental Hydrogeology)	2020 (ongoing)
VSB - Technical University of Ostrava, Czech Republic	MSc. Geological Engineering (Cum Laude) – with a primary focus in Hydrogeology	2013 - 2015

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

LANGUAGES

Language	Speaking	Reading	Writing
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>Serja Hydrogeo-Environmental Consultants CC (Self-Founded)</p> <p>Position: Principal Hydrogeologist and Environmental Assessment Practitioner (EAP)</p> <p>Responsibilities: Conducting Groundwater (Hydrogeological) Studies (Exploration and Impact Assessment), Groundwater Monitoring, Project Management, Technical & 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>VSb – Technical University of Ostrava, Ostrava</p> <p>Position: PhD Student: Assistant Hydrogeologist / Groundwater Modeller and Researcher</p> <p>Responsibilities: 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 - Beginner)</p>
1 Apr 2019 to date	<p>Independent Water and Environmental Consultant, Windhoek / Ostrava</p> <p>Responsibilities: 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>Major Association/Collaborations</p> <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.</p>

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)

- 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 & Social Impact Assessment Studies for the Ruacana South Phase 1 & Katima-Ngoma Phase3 & 4 and the Reservoir Rural Water Supply Schemes in the Omusati and Zambezi Regions.** Namibia. **Client: Ministry of Agriculture, Water and Land Reform (MAWLR). Responsibilities:** Baseline Assessments, Facilitation of Stakeholders Engagement, Compilation of ESIA Reports & ESMPs. **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:** 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 (Otjikoto 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**
- 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.**
- 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-ongoing**
- 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-ongoing**
- 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. **Year: 2021**
- Renewal of an Environmental Clearance Certificate (ECC) for the 22.80 Mega-Watt (MW) Trekkopje Solar (Photovoltaic) Park and ongoing Bi-Annual Environmental Auditing near Arandis in the Erongo Region, Namibia. **Client: Sertum Energy Namibia Pty Ltd a subsidiary of Enertronica Santerno Group (Italy)).** **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**

- Renewal of the ECC for the ongoing Construction and operational activities of a 5-megawatt (MW) Solar (Photovoltaic) Power Plant and ongoing Bi-Annual Environmental Auditing 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**
- 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) 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) (under Mafuta Environmental Consultants).** **Responsibilities:** Environmental impact assessment, public & stakeholders engagement, Site/route visit, Assessment, compilation of the EIA Report and EMP. **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**
- 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**
- 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**
- 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**
- 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 Quention 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**

REFERENCES

Mrs. Eloise Carstens (Previous GCS Namibia Country Manager)

Environmental Management and Authorization Unit, Tel: +64 27 258 9337

Email: eloise@ec-it.org

Mr. Kobus Troskie (GCS Johannesburg: Previous Technical Supervisor)

Water Resources, Oil and Gas Sub-Unit, Tel: +27 (11) 803 5726

Email: kobus@gcs-sa.biz

Prof. Ing. Nad'a Rapantova, CSc. (Professor and PhD Study Supervisor)

Department of Geotechnics & Underground Engineering (Faculty of Civil Engineering): VSB – Technical University of Ostrava, Czech Republic

Tel: +420 597 321 942

Email: 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: 04 August 2023

ADIEL.TAFARA.MUDZANAPABWE

359 Leopard Ave, Omeya Golf Estate, Windhoek · +264 81 346 8492

mudzanapabwea@gmail.com

PERSONAL INFO

Nationality: Zimbabwean (Namibian PRP)

Namibian ID #: 96050601607

Date of birth: 6 May 1996

Marital Status: Single

Driver's License: Code B

Languages: English, Shona, Afrikaans is fair

Postal address: P.O. Box 50425 Bachbrecht, Windhoek

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)
081 204 4179
jkamwi@nust.na
- Dr. Tendai Nzuma (Vice H.O.D)

Contact: 081 606 6805
tnzuma@nust.na

- Ms. Elise Nghalipo (lecturer)
081 430 0010
enghalipo@nust.na

Independent Individuals

- Mr. Alvin Chanakira (Partner at DON Tours & Safaris)
081 476 6129
tours@donaficasafari.com

CURRICULUM VITAE (CV)

Title	Environmental and Biodiversity Specialist
Name of Expert:	Shiwayu Kristian NN
Date of Birth:	03/01/1993
ID	93010300627
Country of Citizenship/Residence	Namibian Residence
Cell	+264813959104
License	Obtained, C1

1. Education:

ACADEMIC QUALIFICATIONS		
Name of Course	Institution	Year conferred
International General Certificate in Occupational Health and Safety Practice	NEBOSH	Ongoing
BSc Hons. Integrated Environmental Science	University of Namibia	2019
Master of Science in Integrated Environmental Science and Sustainable Development	The International University of Management	Ongoing

3. Employment Record:

Period	Employing organization and your title/position. Contact info for references	Country	Summary of activities performed
17 March 2022 to date	Facilitator, IUM: Introduction: <ul style="list-style-type: none"> • Introduction to Biology • Basic Science • Sustainable Ocean Economy 	Namibia	<ul style="list-style-type: none"> ▪ facilitate online classes for distance student under the centre for environment.
Sept 2022	-Intern: Environmental Consultant	Namibia	<ul style="list-style-type: none"> ▪ Compiling EIA report, EMPs, BID and Bi-

to date	<p>Tendai E. Kasinganeti</p> <p>Environmental Practitioner (manger)</p> <p>D&P Engineers and Environmental Consultants/ Enviroplan consulting</p> <p>E: tkasinganeti@dpe.com.na/ ekasinganeti@gmail.com</p> <p>T: +264 81 3634 904</p>		<p>annual Reports.</p> <ul style="list-style-type: none"> ▪ Respond to clients and stakeholders ▪ Conducting public meeting when required. ▪ Perform any other relevant task. ▪ Application for Environmental Clearance Certificates
Jan 2021 to May 2022	<p>-Student Employment: Centre for Environmental Studies</p> <p>Mr Sioni Iikela</p> <p>Director: CES, IUM</p> <p>E: s.iikela@ium.edu.na</p> <p>W: 061 433 6412</p>	Namibia	<ul style="list-style-type: none"> ▪ Customer Service ▪ To assist the Centre director, and lecturing staff with all related functions and relevant logistical matters. ▪ Administrative functions ▪ Research
Oct 2020 to Jan 2021	<p>-Graduate Intern: Wildlife and National Parks Division</p> <p>Mr. J Amutenya</p> <p>Chief Warden (Central)</p> <p>Ministry of Environmental, forestry & Tourism (Windhoek)</p> <p>E: jeremia.amutenya@gmail.com</p> <p>W: +26481 0415182</p>	Namibia	<ul style="list-style-type: none"> ▪ Office administrative functions ▪ Law enforcement ▪ Human Wildlife Management ▪ CBNRM (Community Based Natural Resource Management) ▪ Research and Monitoring ▪ Ensure the sustainable utilization of wildlife within central areas of Namibia.
July 2020 to Sept 2020	<p>-Researcher</p> <p>Namib Research Institution (Gobabeb)</p>	Namibia	<ul style="list-style-type: none"> ▪ Data processing and analyses ▪ Survey techniques ▪ Scientific presentations, while emphasizing teamwork ▪ Critical thinking ▪ Problem-solving skills
Aug 2019 to Sept 2019	<p>-Researcher/Enumerator</p> <p>Namibia agricultural Mechanisation and Seed Improvement Project (NAMSIP)</p>	Namibia	<ul style="list-style-type: none"> ▪ Interviewed farmers in Oshikoto Region ▪ Data collection ▪ Enter data collection in Microsoft Excel for data analyses.
Dec 2017 to Jan 2018	<p>-Field Attachment: Wildlife and National Parks Division</p>	Namibia	<ul style="list-style-type: none"> ▪ Office administrative functions ▪ Law enforcement ▪ Human Wildlife Management

	Ministry of Environmental, forestry & Tourism (Windhoek)		<ul style="list-style-type: none"> ▪ CBNRM (Community Based Natural Resource Management) ▪ Research and Monitoring ▪ Ensure the sustainable utilization of wildlife within central areas of Namibia.
Dec 2016 to Jan 2017	-Field Attachment: Environmental Officer Tschudi Copper Mine	Namibia	<ul style="list-style-type: none"> ▪ Administration functions ▪ Conducted air quality monitoring ▪ Environmental inspection ▪ Data capturing ▪ Minute taking at the interested and affected parties.

4. Skills: A

- Minimal skills in ArcGIS and QGIS
- Excellent communication skills
- Proficiency in computer usage and Microsoft office application

5. Membership of Professional Associations:

- Recycle Namibia Forum

6. Languages:

	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
English	Excellent	Good	Good

7. Adequacy for Assignment:

Detailed Tasks Assigned	Project Work Undertaken
<ul style="list-style-type: none"> • Inception Report & Workplan • Scoping Report • DESIA & ESMP Report 	<p>Name of Assignment or Project: Biodiversity report for the proposed Erongo substation and associate infrastructure in Karibib Erongo Region, Namibia.</p> <p>Year: 2021</p> <p>Location: Karibib Erongo Region</p> <p>Client: Nampower</p> <p>Main project features: Environmental and Biodiversity Impact Assessment</p> <p>Position Held: Biodiversity Specialist</p>

Detailed Tasks Assigned	Project Work Undertaken
	<p>Activities performed: Biodiversity Assessment.</p>
<ul style="list-style-type: none"> • Inception Report & Workplan • Scoping Report • DESIA & ESMP Report 	<p>Name of Assignment or Project: Biodiversity report for the Exclusive Prospecting License (EPL) 6710, in Bethanie Constituency, Karas Region-Namibia.</p> <p>Year: 2021</p> <p>Location: Bethanie Constituency, Karas Region</p> <p>Client: Luxury Investments Two Hundred and Sixty-Four Pty Ltd</p> <p>Main project features: Environmental and Biodiversity Impact Assessment</p> <p>Position Held: Biodiversity Specialist</p> <p>Activities performed: Biodiversity Assessment.</p>
<ul style="list-style-type: none"> • Inception Report & Workplan • Scoping Report • DESIA & ESMP Report 	<p>Name of Assignment or Project: Biodiversity report for the proposed Mineral Exploration Activities for Base and Rare Metals, Industrial Minerals, Nuclear Fuel Minerals and Precious Metals on EPL 7297, Namib-Naukluft Park, Erongo Region, Namibia</p> <p>Year: 2022</p> <p>Location: Namib-Naukluft Park, Erongo Region</p> <p>Client: Namibia Uranium (PTY) LTD</p> <p>Main project features: Environmental and Biodiversity Impact Assessment</p> <p>Position Held: Biodiversity Specialist</p> <p>Activities performed: Biodiversity Assessment.</p>

Detailed Tasks Assigned	Project Work Undertaken
<ul style="list-style-type: none"> • Inception Report & Workplan • Scoping Report • DESIA & ESMP Report • ECC Application 	<p>Name of Assignment or Project: The Proposed Construction And Operation Of 22 Telecommunication Base Transceiver Station (Bts) Towers Countrywide-Namibia.</p> <p>Year: 2022</p> <p>Location: Country-wide</p> <p>Client: POWERCOM</p> <p>Main project features: Environmental and Social Impact Assessment and Environmental and Social Management Plan.</p> <p>Position Held: Environmentalist</p> <p>Activities performed: Environmental Impact Assessment, Environmental Management plan, Public and Stakeholders Consultation, Reports Drafting and Client liaison</p>
<ul style="list-style-type: none"> • Audit report • ECC Application 	<p>Name of Assignment or Project: Bi-Annual Environmental Reporting for the Proposed Auasblick Extension 1 Township Development in Windhoek, Khomas Region, Namibia from September 2021 to November 2022.</p> <p>Year: 2023</p> <p>Location: Windhoek Khomas Region</p> <p>Client: Hangala Group</p> <p>Main project features: Environmental and Biodiversity Impact Assessment</p> <p>Position Held: Environmental Specialist</p> <p>Activities performed: Environmental Assessment, health and safety assessment, site inspection, reporting.</p>
<ul style="list-style-type: none"> • ECC renewal and auditing • ECC Application 	<p>Name of Assignment or Project: Proposed Oujere Lifestyle Village Development At Von Bach Dam, Otjondjupa Region-Namibia.</p> <p>Year: 2023</p> <p>Location: Von Bach Dam Otjondjupa Region</p> <p>Client: Tungeni African Investment (Pty) Ltd</p> <p>Main project features: Environmental Impact Assessment</p>

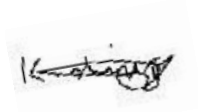
Detailed Tasks Assigned	Project Work Undertaken
	<p>Position Held: Environmental Specialist</p> <p>Activities performed: Environmental Assessment, health and safety assessment, site inspection, reporting.</p>
<ul style="list-style-type: none"> • Bi-Annual Environmental Reporting • ECC Application 	<p>Name of Assignment or Project: Bi-Annual Environmental Reporting for the Proposed Avasblick Extension 1 Township Development in Windhoek, Khomas Region, Namibia from September 2021 to November 2022.</p> <p>Year: 2023</p> <p>Location: Windhoek Khomas Region</p> <p>Client: Hangala Group</p> <p>Main project features: Environmental Impact Assessment</p> <p>Position Held: Environmental Specialist</p> <p>Activities performed: Environmental Auditing, Reports Drafting and Client liaison, health and safety assessment, site inspection.</p>
<ul style="list-style-type: none"> • Bi-Annual Environmental Auditing (Monitor) • ECC Application 	<p>Name of Assignment or Project: Bi-Annual Environmental Auditing (Monitoring) For The Operation Of A Charcoal Processing And Packaging Facility At Farm Waltersshagen 135, Otjiwarongo - Otjozondjupa Region: Namibia</p> <p>Year: 2023</p> <p>Location: Otjiwarongo</p> <p>Client: JP BRIQUETTES GLOBAL NAMIBIA</p> <p>Main project features: Environmental Auditing.</p> <p>Position Held: Environmentalist</p> <p>Activities performed: Environmental Auditing, Reports Drafting and Client liaison, health and safety assessment, site inspection</p>

Detailed Tasks Assigned	Project Work Undertaken
<ul style="list-style-type: none"> • Inception Report & Workplan • Scoping Report • DESIA & ESMP Report • ECC Application 	<p>Name of Assignment or Project: Environmental Impact Assessment - For The For Exclusive Prospecting License No. 8024 In Arandis, Erongo Region - Namibia.</p> <p>Year: 2023</p> <p>Location: Arandis</p> <p>Client: Parkland Energy Resources Pty LTD</p> <p>Main project features: Environmental and Social Impact Assessment and Environmental and Social Management Plan.</p> <p>Position Held: Environmentalist</p> <p>Activities performed: Environmental Impact Assessment, Environmental Management plan, Public and Stakeholders Consultation, Reports Drafting and Client liaison</p>
<ul style="list-style-type: none"> • Data collection • Consultation meeting with stakeholder • Minutes 	<p>Name of Assignment or Project: The Ruacana South Phase 1 And Reservoir Rural Water Supply Schemes In The Omusati Region. And The Proposed Study For The Katima-Ngoma Phase 3-4 And The Reservoir Rural Water Supply Schemes In The Zambezi Region</p> <p>Year: 2023 (ongoing)</p> <p>Location: Omusati and Zambezi</p> <p>Client: MAWLR</p> <p>Main project features: Environmental and Social Impact Assessment and Environmental and Social Management Plan.</p> <p>Position Held: Environmentalist</p> <p>Activities performed: Environmental Impact Assessment, Environmental Management plan, Public and Stakeholders Consultation, Reports Drafting and Client liaison</p>

8. Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience.

Shiwayu Kristian NN



28/08/2023

Name of Expert

Signature

Date