

SADC-GMI 2024 TRAINING CALENDAR



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GROUNDWATER MANAGEMENT INSTITUTE

www.sadc-gmi.org

SADC-GMI TRAINING AND CONFERENCE CALENDAR

COURSE NAME	LEARNING OUTCOMES	TRAINING CALENDAR	CERTIFICATION DETAILS
<p>Short Course: Geographical Information Systems and Remote Sensing Training for Groundwater Professionals in the SADC Region</p>	<ul style="list-style-type: none"> • Understand the fundamental concepts and applications of GIS and Remote Sensing in groundwater management. • Apply GIS and Remote Sensing tools and techniques for groundwater data collection, analysis, and visualization. • Integrate GIS and Remote Sensing into their daily work for improved decision-making and resource management. • Foster collaboration and knowledge exchange among groundwater professionals in the SADC region. 	<p>18, 19, and 20 March 2024 Harare, Pretoria Time</p> <p>Instructors: Dr. Brighton Austin Chunga, Mzuzu University, Malawi</p>	<p>Attendance Certificate</p>
<p>Short Course: Operation and Maintenance (O&M) of Groundwater Infrastructure</p>	<ul style="list-style-type: none"> • Explain the common challenges to implementing resilient infrastructure solutions in SADC. • Define infrastructure and resilience, including the four dimensions of sustainable infrastructure. • Discuss the factors undermining groundwater infrastructure sustainability and resilience. • Develop an understanding of the legislative and regulatory frameworks necessary for O&M. • Provide guidance regarding the institutional roles and responsibilities required for O&M of groundwater schemes as well as the importance of developing institutional capacity to 	<p>27 Mar, 2024 – 29 Mar, 2024 Harare, Pretoria Time</p> <p>Instructors:</p> <ul style="list-style-type: none"> • Kevin Pietersen, Hydrogeologists • Phillip Ravenscroft, Water Supply Engineer • Steve Kumwenda, Hydrogeologist <p>Instruction modality: Face-to-Face Venue: Johannesburg/Pretoria, South Africa Language: English Instruction time: 20 hours over three days</p>	<p>Attendance Certificate</p>

	<p>enable effective O&M</p> <ul style="list-style-type: none"> • Present a typology of maintenance services. • Understand the basics of pump operation and maintenance of positive displacement and submersible pumps • Able to troubleshoot and establish appropriate remedial action • Appreciate the link between O&M and the sustainability of water supply 		
<p>Short Course: Transboundary Groundwater Governance and Management in River Basin Organisations</p>	<ul style="list-style-type: none"> • The transboundary groundwater management needs in RBOs • The challenges faced in transboundary groundwater management and the need for improved governance to address these problems. • Transboundary groundwater policy, legal and institutional frameworks • The role of monitoring and information management in transboundary groundwater management • The role of stakeholder participation in transboundary groundwater management • The risks and hazards to transboundary groundwater systems • The role of groundwater in socioeconomic development and the WEFE nexus • 	<p>10 – 12 April 2024 Harare, Pretoria Time</p> <p>Instructors:</p> <ul style="list-style-type: none"> • Eng. James Sauramba (SADC-GMI Executive Director) – groundwater policy, legal and institutional (PLI) expert • Dr Kevin Pietersen (SADC-GMI Senior Consultant) – Hydrogeologist with extensive expertise in groundwater resources development • Batanayi Gwangwawa (Regional Environmental & Social Management Specialist) – GESI expert • Gerald Mundondwa (Senior Groundwater Specialist) – expert in transboundary water resources governance <p>Instruction modality: Face-to-Face Venue: Johannesburg, South Africa Language: English Instruction time: 20 hours over three days</p>	Attendee certificate
<p>Short Course: Operation and Maintenance (O&M) of Groundwater Infrastructure</p>	<ul style="list-style-type: none"> • Explain the common challenges to implementing resilient infrastructure solutions in SADC. • Define infrastructure and resilience, including the four dimensions of sustainable infrastructure. 	<p>29, 30, and 31 May, 2024 Harare, Pretoria Time</p> <p>Instructors:</p> <ul style="list-style-type: none"> • Kevin Pietersen, Hydrogeologists • Phillip Ravenscroft, Water Supply Engineer 	Attendance Certificate

	<ul style="list-style-type: none"> • Discuss the factors undermining groundwater infrastructure sustainability and resilience. • Develop an understanding of the legislative and regulatory frameworks necessary for O&M. • Provide guidance regarding the institutional roles and responsibilities required for O&M of groundwater schemes as well as the importance of developing institutional capacity to enable effective O&M • Present a typology of maintenance services. • Understand the basics of pump operation and maintenance of positive displacement and submersible pumps • Able to troubleshoot and establish appropriate remedial action Appreciate the link between O&M and the sustainability of water supply 	<ul style="list-style-type: none"> • Steve Kumwenda, Hydrogeologist Instruction modality: Face-to-Face Venue: Lilongwe/Blantyre, Malawi Language: English Instruction time: 20 hours over three days 	
<p>Short Course: Operation and Maintenance (O&M) of Groundwater Infrastructure</p>	<ul style="list-style-type: none"> • Explain the common challenges to implementing resilient infrastructure solutions in SADC. • Define infrastructure and resilience, including the four dimensions of sustainable infrastructure. • Discuss the factors undermining groundwater infrastructure sustainability and resilience. • Develop an understanding of the legislative and regulatory frameworks necessary for O&M. • Provide guidance regarding the institutional roles and responsibilities required for O&M of groundwater 	<p>06 – 08 June, 2024 Harare, Pretoria Time</p> <p>Instructors:</p> <ul style="list-style-type: none"> • Kevin Pietersen, Hydrogeologists • Phillip Ravenscroft, Water Supply Engineer • Steve Kumwenda, Hydrogeologist <p>Instruction modality: Face-to-Face Venue: Windhoek, Namibia Instruction time: 20 hours over three days</p>	Attendance Certificate

	<p>enable effective O&M</p> <ul style="list-style-type: none"> • Present a typology of maintenance services. • Understand the basics of pump operation and maintenance of positive displacement and submersible pumps • Able to troubleshoot and establish appropriate remedial action <p>Appreciate the link between O&M and the sustainability of water supply</p>		
<p>Short Course: Borehole Sustainable Yield Tests for Groundwater Supply Training</p>	<ul style="list-style-type: none"> • The role of borehole yield tests, • Designing and planning for borehole yield tests, • Estimation of well efficiencies and implications for borehole development long-term operation cost, • Field procedures for step-drawdown test and constant discharge rate aquifer pumping test, and • Selection and application of appropriate methods to analyze aquifer pumping test data from borehole yield test 	<p>26 June and 27 June 2024 Harare, Pretoria Time</p> <p>Instructors:</p> <ul style="list-style-type: none"> • Prof. Modreck Gomo – University of the University of the Free State, Instruction modality: Face-to-Face Venue: South Africa Instruction time: 16 hours over two days 	
<p>Short Course: Mainstreaming: GESI In Transboundary Water Resource Management: Enhancing Capacities For Mainstreaming Gender, Equality & Social Inclusion In Transboundary Water Resource Management</p>	<ul style="list-style-type: none"> • Enhance groundwater specialist's understanding of gender and social inclusion issues in the context of groundwater management so that they possess the skills and understanding to ensure that their plans, projects, and programs have the requisite GESI resources (financial and human), activities, and monitoring systems in place to create meaningful change. • Develop practical skills and tools to identify, analyze, and address gender and social inclusion issues in 	<p>29 – 30 October 2024 Harare, Pretoria Time</p> <p>Instructors:</p> <ul style="list-style-type: none"> • James Sauramba (SADC-GMI Executive Director) – groundwater policy, legal and institutional (PLI) expert • Batanayi Gwangwawa (Regional Environmental & Social Management Specialist) – GESI expert <p>Instruction modality: In person Language: English with Portuguese translation Instruction time: 2.5 days</p>	<p>Certificate of Attendance</p>

	<p>groundwater projects and programs</p> <ul style="list-style-type: none"> • Foster a culture of gender equality and social inclusion within groundwater organizations and broader stakeholder groups • Promote women's participation and leadership in groundwater management and decision-making processes • equip practitioners with a clear understanding as to why GESI is fundamental to SADC's sustainable growth and development so that they are better placed to advocate for these issues within their organizations; 		
6th SADC Groundwater Conference	Provides a platform for groundwater professionals from the SADC region and beyond to exchange knowledge and experiences	13, 14, and 15 November 2024	

For additional information or to register, e-mail: thokozani@sadc-gmi.org/ info@sadc-gmi.org



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