



MUNICIPAL COMPLIANCE TRAINING COURSE

The Climate Change Act 22 of 2024

2024

INFORMATIONAL BOOKLET

Global Climate Change

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South Africa's positioning

Top **13** of Global Emitters¹

21.86 billion tons of cumulative CO2 emissions to date
**since 1957*¹

Top **50** of Global Emitters per Capita¹

21 million people affected by natural disasters over 1900-2017²

5.03% Potential loss of GDP by 2050 due to climate change³



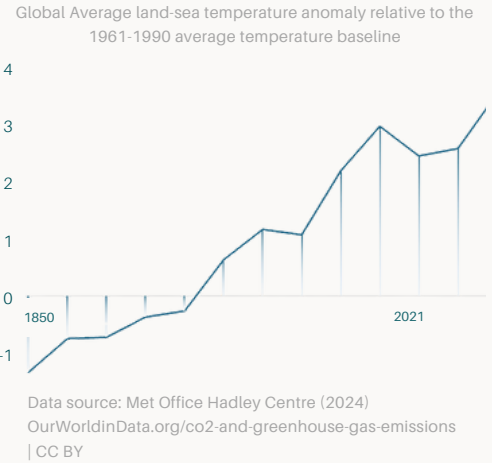
GLOBAL CLIMATE CHANGE

Global Climate Change Movement

Climate change is one of the most urgent challenges of the 21st century. Since the Industrial Revolution, human activities like burning fossil fuels and deforestation have led to a dramatic rise in greenhouse gas (GHG) emissions. Global atmospheric CO₂ concentrations, which had historically fluctuated naturally over millennia, have skyrocketed in recent years due to human activities. The graph below illustrates the unprecedented spike in CO₂ levels, peaking at over 400 ppm in 2023—far higher than any point in the last 800,000 years.⁴

The global average temperature has similarly risen, showing a sharp increase over the past century. The Average Global Temperature Anomaly graph on the right demonstrates the consistent rise in temperatures, with the mean global temperature now exceeding the long-term average by over 1°C—a direct consequence of human-induced climate change.⁵

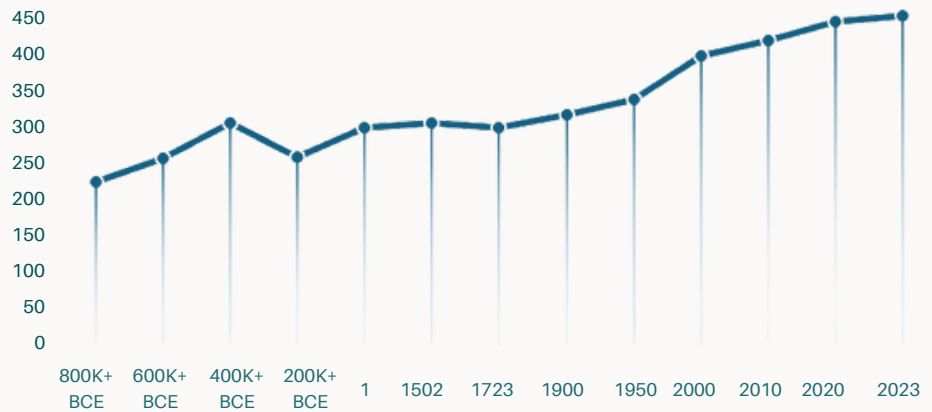
Average temperature anomaly, Global⁴



In response, nearly 200 countries united under the Paris Agreement in 2015, pledging to limit global warming to 1.5°C. The Net-Zero by 2050 movement, now adopted by over 70 countries, reflects a worldwide shift towards renewable energy and sustainability. However, urgent and drastic actions are required to meet these goals and prevent further climate catastrophes.⁶

Cumulative Carbon Dioxide Concentrations in the atmosphere⁵

Atmospheric carbon dioxide (CO₂) concentration is measured in parts per million (ppm). Long-term trends in CO₂ concentrations can be measured at high-resolution using preserved air samples from ice cores



The Climate Crisis and South Africa's Role

South Africa is a significant contributor to this global crisis, ranking among the top 13 GHG emitters worldwide. In 2017, the country emitted 512 million metric tons of CO₂, with 80% coming from the coal-heavy energy sector.⁷ This heavy reliance on coal not only worsens global warming but also threatens the country's economic stability and environmental resilience.

South Africa's temperature has risen at twice the global average since 1990, leading to more frequent droughts, floods, and heatwaves. Over the 1900 - 2017 period, climate impacts have devastated agricultural productivity, affecting 21 million people and placing a severe strain on water security.²

Our STORY



At OnEarth, our journey started in the heart of Cape Town, where the beauty of nature meets the urgency of climate action. As a South African company, we understand firsthand the unique challenges that businesses face in balancing growth with sustainability. From the beginning, our mission has been clear: to not just consult, but to teach businesses how to integrate climate compliance into their core operations, ensuring real, long-lasting impact.

We believe that sustainability goes beyond ticking regulatory boxes—it's about empowering organisations to make informed, proactive decisions that benefit both the environment and their business. Our focus on education reflects our belief that true change comes when people understand the why and how of what they are doing. By teaching, we enable companies to take control of their climate strategies, ensuring they can sustain their efforts for years to come.

Why we Focus on Teaching

We don't believe in coming into a company, fixing things, and leaving. Real change happens when people inside a business take ownership of their climate impact. That's why our training programs are about empowering your team to understand the regulations, manage carbon budgets, and embed sustainability into their operations. By giving businesses the tools to do it themselves, we're helping build a stronger, more sustainable future for everyone.

Why work with us

- **Global Perspective, Local Experience:** With our roots in Cape Town and clients across borders, we combine local insights with a global understanding of climate challenges and regulations.
- **Actionable, No-Nonsense Solutions:** We focus on real-world strategies that work for businesses of all sizes, cutting through the noise and delivering practical steps for climate compliance.
- **Empowering Businesses to Lead:** Our training gives your team the tools to implement and maintain sustainability practices, so you can drive change from within.

INSPIRING THE PROGRESS, LEADING THE CHANGE

MUNICIPAL COMPLIANCE COURSE

This course is designed to guide municipalities through the obligations set out in the Climate Change Act 22 of 2024, focusing on how local governments can implement effective climate strategies. Municipalities will learn how to assess their climate needs, develop response plans, and ensure compliance with climate adaptation and mitigation efforts. The course is structured to provide clear, actionable steps that align with local government functions and responsibilities.

Five Themes that Underpin the Course

- 1. Climate Resilience and Adaptation:** Building resilience in municipal services and infrastructure to withstand the impacts of climate change.
- 2. Legal Compliance and Governance:** Ensuring municipalities meet their legal obligations under the Climate Change Act 22 of 2024.
- 3. Strategic Climate Planning:** Developing comprehensive climate change response and implementation plans.
- 4. Mitigation and Carbon Management:** Reducing greenhouse gas emissions within municipal operations and communities.
- 5. Global and Local Context:** Bridging local South African regulations with global climate trends and strategies.



Learning Outcomes

1. Understand the key obligations of the Climate Change Act 22 of 2024 and how it applies to their business.
2. Manage and track their company's carbon budget to comply with national targets.
3. Prepare and submit accurate GHG emissions reports using approved methodologies and templates.
4. Integrate sectoral emission reduction targets into their business operations and long-term strategy.
5. Implement Monitoring, Reporting, and Verification (MRV) systems to ensure ongoing compliance.

8

HOURS

6

MODULES

5

TEMPLATES

COURSE PROGRAMME

Course Duration

Total Length: 8 hours

Delivery Options: 1-full day or 2-half days

Course Schedule

1-Day Format (8 hours with breaks)

Morning (3 hours)

- 9:00 AM – 9:30 AM: Introduction & Overview
- 9:30 AM – 10:30 AM: Module 1
- 10:30 AM – 12:00 PM: Module 2
- 12:00 PM – 12:30 PM: Lunch Break

Afternoon (5 hours)

- 12:30 PM – 2:00 PM: Module 3
- 2:00 PM – 3:00 PM: Module 4
- 3:00 PM – 3:30 PM: Tea Break
- 3:30 PM – 4:30 PM: Module 5
- 4:30 PM – 5:30 PM: Module 6
- 5:30 PM – 6:00 PM: Closing and Q&A

2-Day Format (4 hours each day)

Day 1 (4 Hours)

- 9:00 AM – 9:30 AM: Introduction & Overview
- 9:30 AM – 10:30 AM: Module 1
- 10:30 AM – 12:00 PM: Module 2
- 12:00 PM – 12:30 AM: Start Module 3
- 12:30 PM – 1:00 PM: Closing and Q&A

Day 2

- 9:00 AM – 10:00 AM: Continue Module 3
- 10:00 AM – 11:00 AM: Module 4
- 11:00 AM – 12:00 PM: Module 5
- 12:00 PM – 1:00 PM: Module 6
- 1:00 PM – 1:30 PM: Closing and Q&A

Pre-course Requirements

- Access to a Computer for virtual sessions (if online).
- **No Prior Experience Needed:** All necessary tools and knowledge will be provided during the course.

Course Materials Distribution

- **Pre-reading** materials will be shared prior beginning the course
- **Course slides**
- **Templates** for carbon budgeting, GHG emissions and compliance **checklists**

Course Structure

- **Interactive Sessions:** Each module includes practical exercises and quizzes.
- **Hands-On Workshops:** Participants will work on real-world case studies related to carbon budgeting, GHG reporting, and compliance strategies.
- **Certificate of Completion:** Awarded upon successful completion of the course and assessments.

MODULES Overview

Module 1: Understanding the Climate Change Act 22 of 2024

- Focus on understanding the legal responsibilities municipalities have under the Climate Change Act 22 of 2024.
- Identify key deliverables, including assessments and climate plans required by the Act.

Module 2: Climate Change Needs and Response Assessment

- Conduct a climate vulnerability assessment for municipal services, infrastructure, and communities.
- Deliver an actionable needs assessment, mapping risks and vulnerabilities, as required for compliance.

Module 3: Developing a Climate Change Response Implementation Plan

- Focus on integrating climate change into municipal planning, including policies and programmes.
- Deliver a climate change response plan, ready for publication and review in accordance with the Act's requirements.

Module 4: Mitigation and Adaptation Strategies for Municipalities

- Develop sector-specific strategies for reducing emissions and adapting to climate impacts.
- Ensure that mitigation and adaptation measures are aligned with the municipality's long-term development goals.

Module 5: Compliance, Monitoring and Reporting

- Establish systems for monitoring and tracking progress, ensuring compliance with climate targets.
- Deliver regular progress reports as required by the Act, including updates to the climate response plan every five years.

Module 6: Risk Management and Practical Implementations for Climate initiatives

- Identify climate-related risks and develop a framework to manage these risks effectively.
- Focus on practical implementation of climate initiatives, ensuring successful execution of mitigation and adaptation strategies.

Post-Course Quiz & Certificate of Completion

After the live course is completed, participants will receive an email containing links to the quizzes for each module.

Quiz Format:

- Each module will have a **5-question multiple-choice quiz**.
- Quizzes will **assess understanding** of the material covered in each module.
- Participants will have **unlimited attempts** to pass each quiz.
- Upon completion of the quiz, with a minimum score of 80% on each section, participants will receive a certificate of completion





DURATION	FOCUS	LEARNING OUTCOME
1 hour	Overview of the Climate Change Act's municipal obligations.	Understand municipal responsibilities and compliance risks.

Module 1: Understanding the Climate Change Act 22 of 2024

In this module, participants will be introduced to the key obligations and requirements under the Climate Change Act 22 of 2024. This session is designed to help municipalities understand their role in complying with the Act, the penalties for non-compliance, and the opportunities it presents for enhancing sustainability.

Content Covered

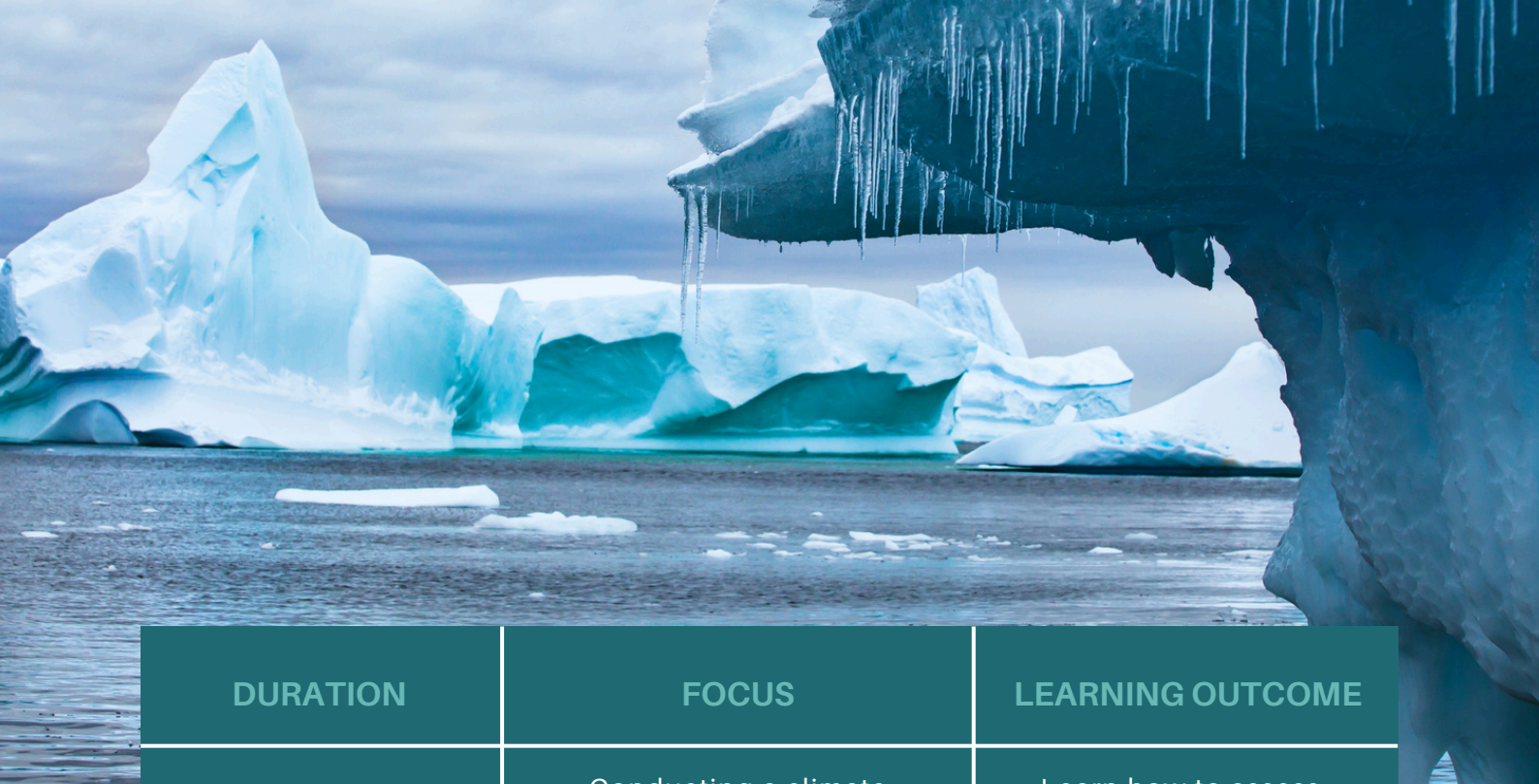
- Introduction to the Climate Change Act: Overview of the Act's purpose, scope, and its implications for local government operations.
- Municipal Compliance Obligations: Detailed breakdown of the responsibilities municipalities must fulfill, including conducting assessments, developing climate change response plans, and regular reporting.
- Penalties for Non-Compliance: Explanation of the financial, legal, and reputational risks for municipalities failing to comply with the Act's mandates.
- Opportunities for Municipal Climate Leadership: Understanding how compliance can promote sustainability and resilience, enhancing the municipality's ability to manage climate risks.

Practical Exercise

- Case Study Activity: Participants will work through a real-world case study illustrating a municipality's journey to climate compliance. This will help them identify key obligations and initial steps for aligning their municipality with the Climate Change Act.
- Template: A compliance checklist will be provided to help participants evaluate their municipality's current climate readiness and identify immediate actions to take.

Quiz

5 questions on key municipal obligations, penalties, and the significance of compliance.



DURATION	FOCUS	LEARNING OUTCOME
1.5 hours	Conducting a climate vulnerability and needs assessment.	Learn how to assess climate risks and develop response strategies.

Module 2: Climate Change Needs and Response Assessment

This module teaches participants how to conduct a climate change needs assessment and identify vulnerabilities across municipal functions and communities.

Content Covered

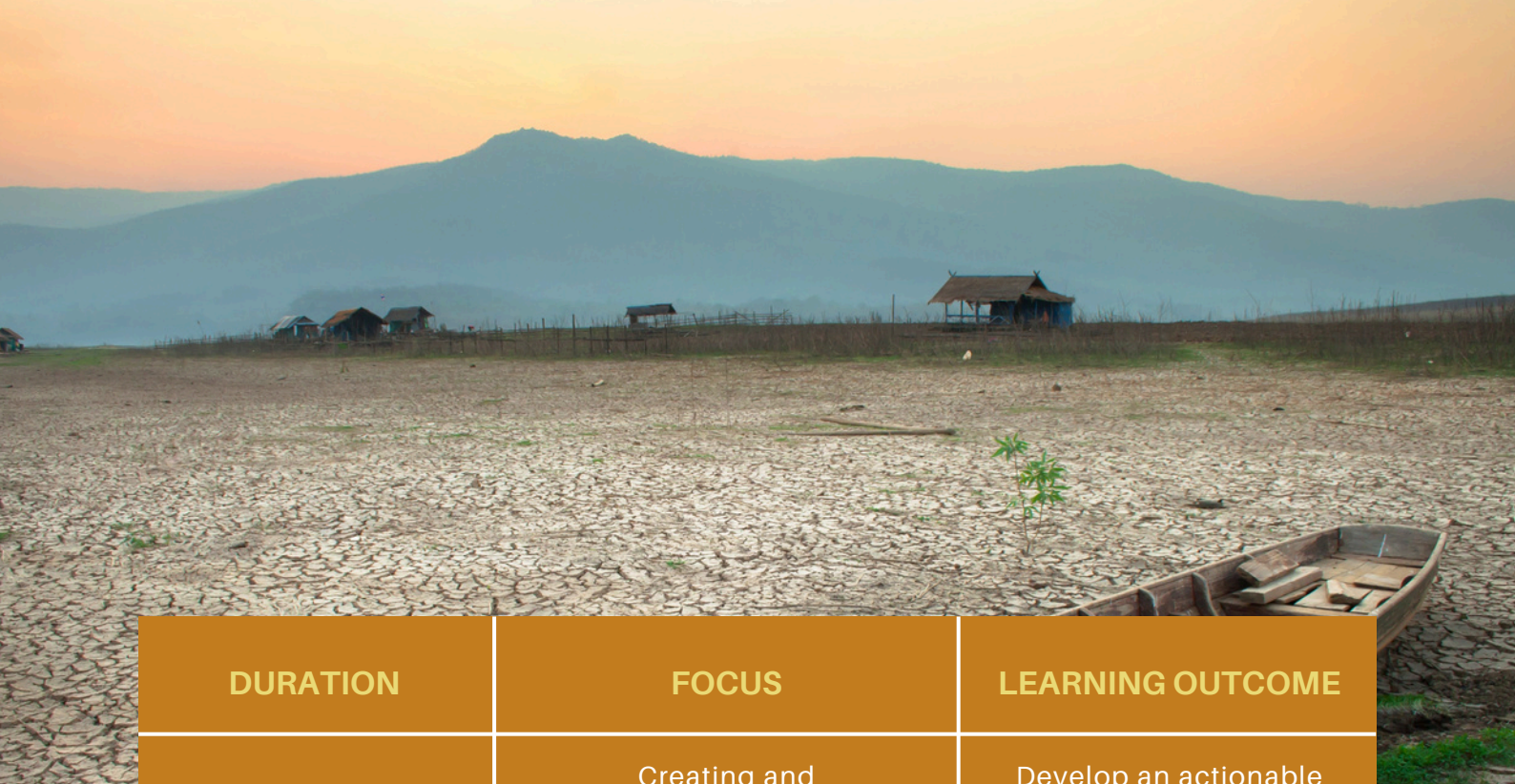
- Understanding Climate Vulnerabilities: How climate change affects municipal services, infrastructure, ecosystems, and vulnerable communities.
- Assessing Climate Risks: Techniques for identifying and assessing specific risks, such as extreme weather events, sea-level rise, and heatwaves.
- Data Collection for Assessments: Guidance on how to collect and analyze the data required for a comprehensive climate vulnerability assessment.
- Mapping Climate Risks: Introduction to spatial mapping of vulnerable areas, including ecosystems, infrastructure, and communities most at risk of climate impacts.
- Delivering a Climate Needs Assessment: How to document and deliver a climate change needs assessment that informs future planning and response efforts.

Practical Exercise

- Vulnerability Mapping Exercise: Participants will develop a simple climate vulnerability map for their municipality, identifying key sectors at risk.
- Response Strategy Draft: Using a template, participants will outline potential response actions based on identified risks in their municipality.

Quiz

10 questions covering climate vulnerability assessments, data collection methods, and risk identification.



DURATION	FOCUS	LEARNING OUTCOME
1.5 hours	Creating and implementing a climate change response plan.	Develop an actionable climate change response plan.

Module 3: Developing a Climate Change Response Implementation Plan

This module guides participants through the process of developing a climate change response plan that aligns with municipal planning instruments.

Content Covered

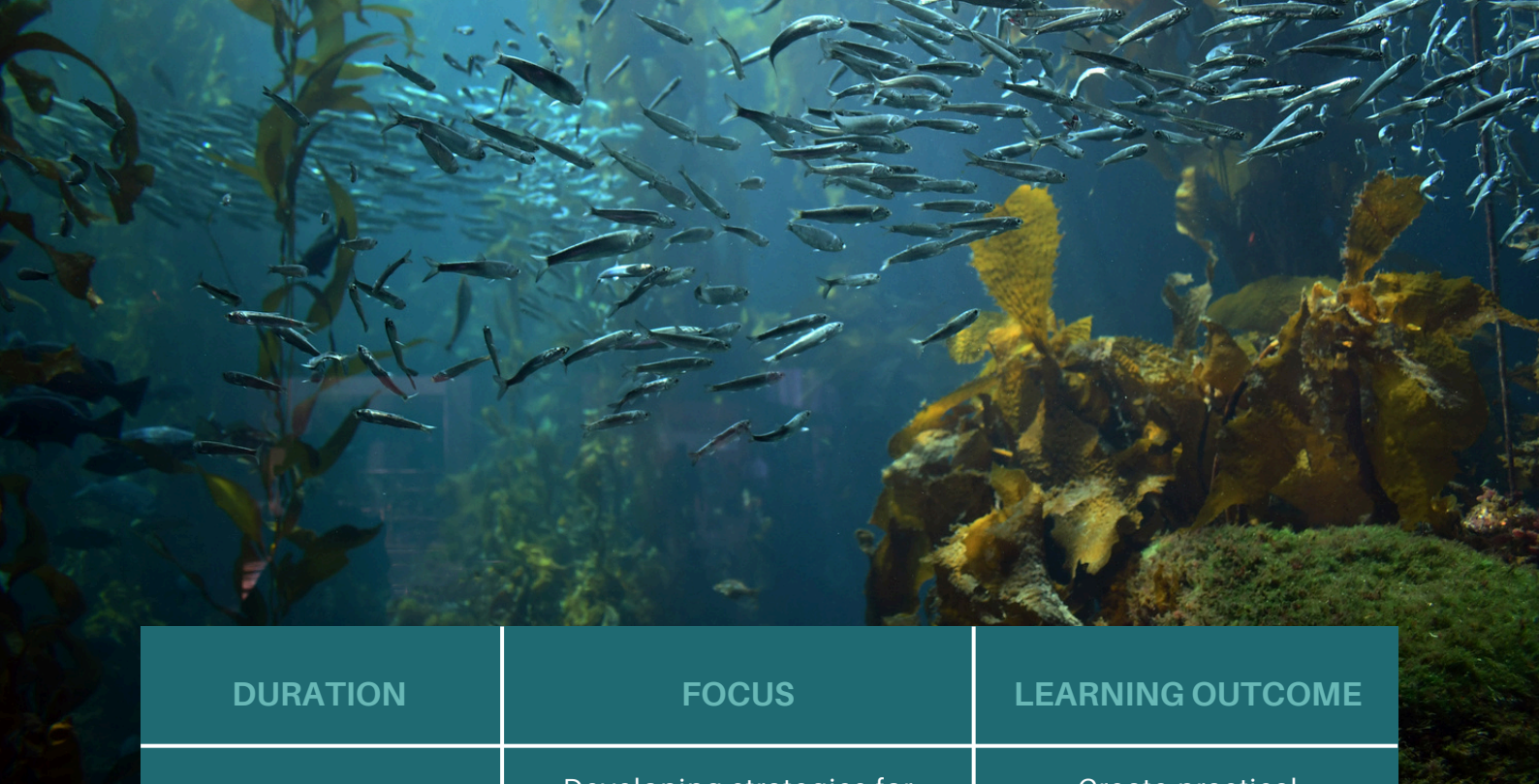
- Creating a Climate Response Plan: Step-by-step guidance on how to structure and create a climate change response plan based on the municipality’s needs assessment.
- Integration with Municipal Planning: How to integrate the climate response plan into existing municipal policies, including land-use planning, environmental management, and disaster risk reduction.
- Plan Implementation and Monitoring: Practical strategies for implementing the response plan and setting up systems for ongoing monitoring and updates.
- Review and Update Cycles: Understanding the importance of reviewing and updating the climate response plan every five years, as mandated by the Act.
- Incorporating Adaptation and Mitigation: How to balance mitigation efforts (e.g., reducing emissions) with adaptation measures (e.g., enhancing resilience to climate impacts).

Practical Exercise

- Drafting a Climate Response Plan: Participants will work through a provided template to draft the key components of a climate change response plan, tailored to their municipality’s needs.
- Plan Alignment: Using an integration checklist, participants will ensure their draft response plan aligns with existing municipal frameworks and policies.

Quiz

10 questions on the components of a climate response plan, integration with planning instruments, and the importance of regular reviews.



DURATION	FOCUS	LEARNING OUTCOME
1 hour	Developing strategies for reducing emissions and building climate resilience.	Create practical mitigation and adaptation strategies.

Module 4: Mitigation and Adaptation Strategies for Municipalities

This module covers how municipalities can balance emissions reduction with adaptive measures that increase resilience to climate impacts.

Content Covered

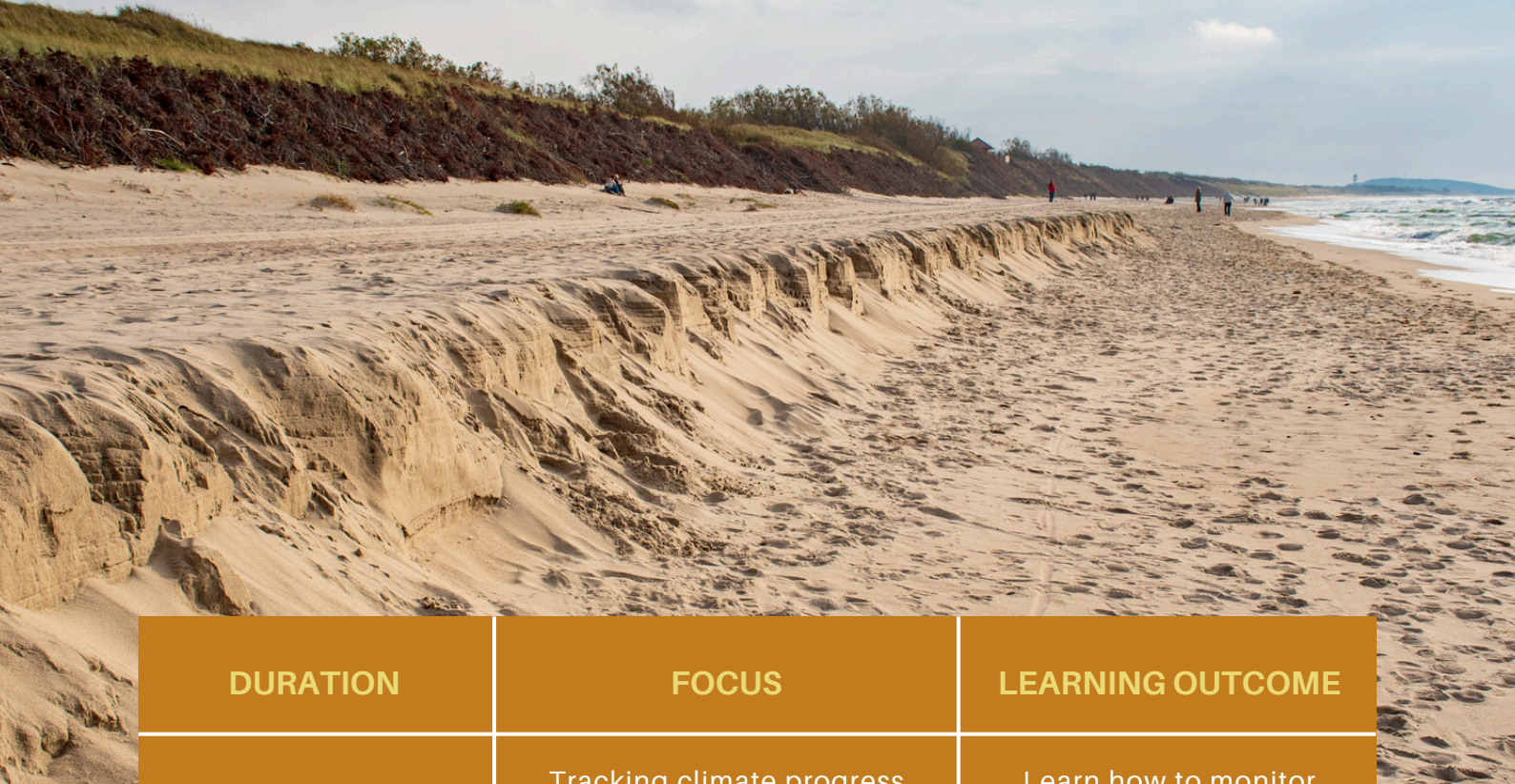
- **Mitigation Strategies:** Tools and techniques to reduce greenhouse gas emissions within municipal operations, including energy efficiency, waste management, and sustainable transport solutions.
- **Adaptation Strategies:** Approaches for enhancing resilience to climate impacts, such as flood prevention, drought preparedness, and coastal defense.
- **Short-Term vs. Long-Term Goals:** How to prioritize mitigation and adaptation actions based on immediate needs and long-term climate resilience goals.
- **Examples of Successful Municipal Strategies:** Real-world examples of mitigation and adaptation initiatives implemented by other municipalities, and how these strategies can be adapted to local contexts.

Practical Exercise

- **Strategy Planning Exercise:** Participants will outline two mitigation and two adaptation strategies suitable for their municipality, using a provided planning template.
- **Implementation Timeline:** Draft a simple timeline for implementing these strategies, including key milestones and monitoring points.

Quiz

5 questions on mitigation techniques, adaptation strategies, and practical implementation.



DURATION	FOCUS	LEARNING OUTCOME
1 hour	Tracking climate progress and reporting compliance.	Learn how to monitor progress and report on climate actions.

Module 5: Compliance, Monitoring, and Reporting

This module covers the processes municipalities must establish for monitoring, reporting, and verifying their climate change response initiatives.

Content Covered

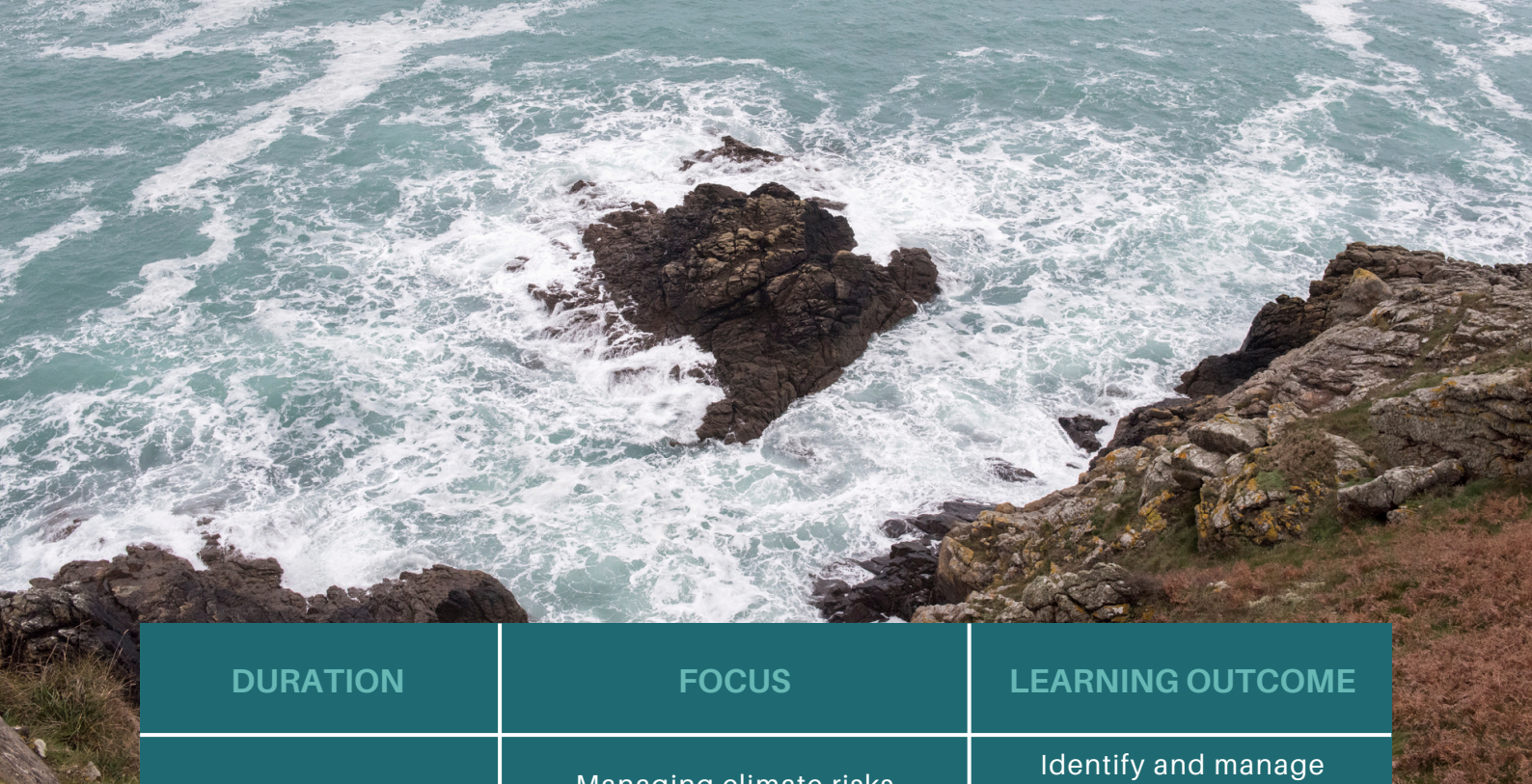
- Establishing Monitoring Systems: Introduction to monitoring systems that track the progress of mitigation and adaptation actions over time.
- Tracking Key Performance Indicators (KPIs): Identifying and setting up KPIs for tracking the success of climate initiatives, such as emission reductions, resilience improvements, or resource savings.
- Reporting Requirements under the Act: Step-by-step guidance on preparing and submitting regular reports in compliance with the Climate Change Act.
- Transparency in Reporting: Best practices for ensuring transparency in reporting to foster trust with local communities and government entities.

Practical Exercise

- Monitoring Template Development: Participants will use a provided template to design a monitoring system tailored to their municipality's climate initiatives.
- KPI Identification: Identify three key KPIs relevant to their municipality's climate actions and how they will be tracked over time.

Quiz

5 questions on setting up monitoring systems, KPIs, and reporting processes.



DURATION	FOCUS	LEARNING OUTCOME
1.5 hours	Managing climate risks and implementing practical solutions.	Identify and manage climate-related risks while implementing practical climate initiatives.

Module 6: Risk Management and Practical Implementations for Climate Initiatives

This module focuses on identifying risks associated with climate change and implementing effective strategies to mitigate them while ensuring climate initiatives are successfully executed.

Content Covered

- Risk Identification: How to identify key climate-related risks affecting municipal infrastructure, services, and communities.
- Risk Mitigation Strategies: Approaches to reducing risks through infrastructure improvements, policy changes, and community engagement.
- Implementing Climate Initiatives: Practical steps to implement climate projects, from planning to execution, with a focus on aligning initiatives with the municipality’s risk management strategy.
- Funding Mechanisms: Exploring funding sources and mechanisms available to support the implementation of climate initiatives, including grants, public-private partnerships, and green bonds.

Practical Exercise

- Risk Assessment Exercise: Participants will conduct a basic risk assessment for their municipality, using a provided template, to identify two major climate risks.
- Implementation Plan: Draft a simple implementation plan for a climate initiative, focusing on risk mitigation and potential funding opportunities.

Quiz

10 questions on risk management strategies, practical implementation steps, and funding options.



Our EXPERTISE

Technical Qualifications

Masters of Science

Imperial College London

in Climate Change, Management and Finance

- Specialisation in Carbon Accounting and Reporting, Mitigating Climate Change, and Climate Adaptation strategies.
- Recognised for Academic Excellence (Dean's List), with a top 10% ranking in a class of 115.
- Key modules: The Science of Climate Change, Financial Markets & Climate Change, Carbon Reporting.

Bachelors of Business Science

University of Cape Town

Finance Honours with a bachelors in Accounting

- Focused on Corporate Finance, Banking and Treasury Management, and Applied Investments.
- Dean's List for Academic Excellence in 2016 and 2017.

Passed all 3 CFA Levels

First Attempt

Chartered Financial Analyst

- Ranked in the 90th percentile for CFA Level II, showcasing advanced financial analysis and investment management skills.

Practical Experience

5+

Years of teaching experience in Investment Banking and Investment Finance courses

50+

Investment Banking and Investment Finance classes taught

30+

Stakeholder engagement meetings with LDC carbon projects

5+

Reports, and sections of reports written on Climate Policy, Climate Finance, and Carbon accounting

20+

Person workshop with members from Allan Gray Philanthropy team on improving social impact

Course PRICES

We offer flexible pricing based on the number of participants to ensure that businesses of all sizes can access this crucial training. Our pricing structure is designed to provide value for teams both small and large.



Small Team Package

Group Size	10 or less
Cost per person	ZAR 8,000

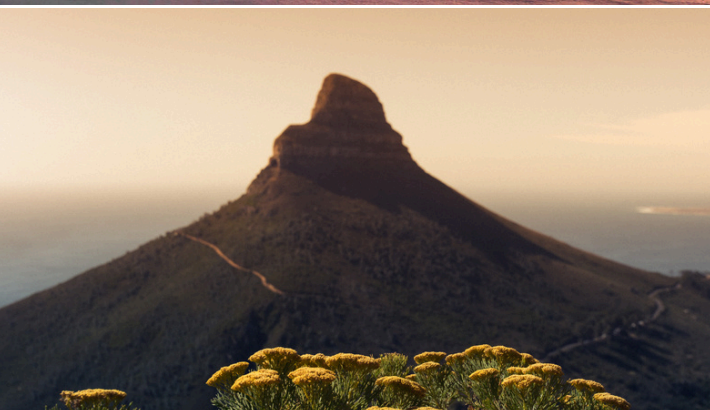
Ideal for small teams or individual participants looking for personalised attention and in-depth engagement with the course material.



Medium Team Package

Group Size	11 to 20
Cost per person	ZAR 6,500

Ideal for Medium-sized teams who want to learn together and benefit from team discussions.



Large Team Package

Group Size	21 to 35
Cost per person	ZAR 5,000

Ideal for large teams or entire departments looking for customized training solutions.

CUSTOM PACKAGE

Includes:

- Customised training based on your company's needs
- Access to all modules and resources
- Optional follow-up consulting or support
- Advanced modules and workshops (optional)

Contact for pricing and further details

DISCOUNTS & SPECIAL OFFERS

- **Group Discounts:** If your company plans to book for multiple teams or departments, we can offer volume discounts.
- **Non-Profit Discounts:** Special pricing is available for non-profit organisations looking to train their teams in climate compliance.
- **Referral Discounts:** Refer a colleague or another company, and both you and the referred group can receive a 5% discount on the course fee.

How to BOOK

We believe in understanding your business needs first to provide the most relevant and impactful training. Here's how to get started:



Step 1: Schedule a Free Consultation

Sign up for a 15-minute consultation with our team. This is your opportunity to ask questions, discuss your goals, and ensure the course aligns with your needs. Sign-up Link: <https://calendly.com/jess-wilson-onearth-esg/30min>



Step 2: Tailored Proposal

After the consultation, we'll provide you with a tailored proposal that includes pricing and course details specific to your organisation.



Step 3: Confirm Your Booking

Once you've reviewed the proposal and are ready to proceed, we'll confirm the course dates and participant details.

We'll send all necessary course materials and pre-reading prior to the start date.



Step 4: Prepare for the Course

Download the course materials and make sure all participants are ready. Our team will be available to assist with any questions leading up to the course.

For inquiries or more information, contact us at:

Phone: +27 79 882 7506

Email: jess.wilson@onearth-esg.com

Consultation Sign-up: <https://calendly.com/jess-wilson-onearth-esg/30min>



INSPIRING THE PROGRESS, LEADING THE CHANGE

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