



# Winter School: Short Course on Navigating Climate Risk

5-9 September 2022

An annual one-week short course.

Climate System Analysis Group  
University of Cape Town  
Cape Town, South Africa



UNIVERSITY OF CAPE TOWN  
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# Course Background & Structure

The Climate System Analysis Group (CSAG) Winter School started in 2009 in partnership with the Stockholm Environmental Institute (SEI), with financial support from United Nations Institute for Training and Research (UNITAR). The aim of the school was to provide an overview of the latest, relevant climate science as well as sector specific case studies and experiences on the use of vulnerability and climate information to practitioners engaged at various levels of decision making.

Since the establishment of the course, the content has been updated based on feedback from participants, progress in research frontiers and lessons learned while working with societal stakeholders to apply climate-related knowledge. The course provides an environment for **critical interrogation of climate information** and other sources of evidence that help to understand the regional contexts of climate risks and potential climate action, as well as hands-on work with peers. The course structure combines **lectures with informal discussions, interactive exercises and hands on working sessions**. The Winter School is **Africa-focused**. The course aims to address the needs of participants whilst engaging with the full spectrum of climate and climate change related topics. These include *inter alia*:

- Climate dynamics and system feedbacks
- Climate modelling and downscaling
- Climate change projections
- Climate risk and vulnerability, and assessment approaches
- Climate action frameworks (e.g. adaptation and mitigation)
- Climate services



# Course Background & Structure

The over-arching objective of the course is to deeply engage participants in a learning process around climate risk, resilience, and action. The course aims to provide a balance between depth and breadth and is designed to respond to each participants groups contexts and priorities through multiple discussion sessions.

The course is structured as 4 modules and participants will be allocated to Learning Groups focused on completing a Learning Journey through the 5 days of the course:

## **Module 1: Introducing complex climate risk**

Risk, resilience and complexity  
Concepts and language of risk and resilience

## **Module 2: the physical climate system**

Climate system concepts, climate change and variability  
Climate extremes, detection and attribution, projections  
Introduction to impact modeling  
Sources of climate information and data

## **Module 3: Interrogating climate information**

Dealing with uncertainty and multiple lines of evidence  
Climate information Distillation  
Climate Services and Co-production

## **Module 4: Using climate information and taking action**

Introduction to climate risk and vulnerability  
Mitigation and Adaptation  
Climate justice  
Ethics, values and choices



# CSAG Winter School Details



<p>Dates &amp; location</p>	<p>Dates for 2022 are 5-9 September University of Cape Town, Cape Town, South Africa</p>	
<p>Places</p>	<p>±23</p>	
<p>Fees (2022)</p>	<p>For International Participants  Full course fee = US\$ 1650</p>	<p>For South African Participants  Full course fee = R 19 995</p>
	<p>The course fee includes all materials necessary for the course, and catering of lunches and teas during the course. Please note the fee <u>does not include</u>:</p> <ul style="list-style-type: none"> <li>• Accommodation</li> <li>• Flights</li> <li>• Airport transfers, other transportation needs or transport to and from the Winter School venue</li> <li>• Visas</li> <li>• Medical or travel insurance costs.</li> </ul> <p>Participants are encouraged to make sure they are fully covered for these before traveling to South Africa.</p>	
<p>Funding</p>	<p>The CSAG Winter School is not currently financially supported. A course fee therefore applies, which is used to fund the course and potentially support participants who are struggling to secure finance to attend the course. Each year we offer a limited number of scholarships for this purpose. Decisions on who will receive sponsorship is based on applications and decided upon by the Winter School Committee.</p>	
<p>Language</p>	<p>The course is conducted in English. Full competence in English, written and spoken is an essential requirement</p>	
<p>Target audience</p>	<p>Winter school is a one-week intensive course aimed for mid-career professionals engaged in decision and policy development which may involve issues related to climate change and adaptation.</p>	

# Trainers and facilitators

Presenters and facilitators are from both CSAG and external institutions. External contributors change each year, but in the past external contributors have included the Stockholm Environmental Institute (SEI), South African National Botanical Institution (SANBI), Council for Scientific and Industrial Research (CSIR) and the City of Cape Town and the Energy Research Centre (ERC) at UCT.



## The 2022 course facilitators will be:

Alice McClure  
Dr Anna Taylor  
Professor Bruce Hewitson  
Dr Chris Jack,  
Dr Izidine Pinto  
Dr Peter Johnston  
Pierre-Louis Kloppers,  
Dr Piotr Wolski  
Dr Temitope Egbebiyi  
Willem Stefaan Conradie



**‘A really great team! Very passionate and engaged...’**

-Winter School 2021 participant

# APPLY NOW

To apply, please visit our [website](#), and complete our online application [form](#).

For more information or assistance, please email Sarika Govender at [winterschool@csag.uct.ac.za](mailto:winterschool@csag.uct.ac.za).

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