

**CSAG WINTER SCHOOL 2010**  
**Using climate information for adaptation and policy development**

**PROGRAMME, WEEK 1**

**DAY 1: MONDAY 12 JULY**

Venue: Department of Environmental and Geographical Science, University of Cape Town

TIMING	ACTIVITIES	FACILITATION
08:30	Registration	Ruwani/David
<b>SESSION 1: WELCOME</b>		
09:00-09:20	Welcome and Logistics	Ruwani Walawege
09:20-10:00	Introductions, Overview, Objectives and Expectations	Mark Tadross Anna Taylor
10:00-10:30	Tea/Coffee Break	
<b>SESSION 2: FRAMING ADAPTATION AND CLIMATE SCIENCE</b>		
10:30-12:30	Climate Change Basics – IPCC’s FAQ	Mark Tadross
12:30– 13:30	Lunch	
13:30 –15:30	Framing Adaptation	Anna Taylor Emma Archer
15:30 - 16:00	Tea/Coffee Break	
16:30 - 17:30	Climate science from a user’s perspective, case studies for setting the stage of user needs	Emma Archer Anna Taylor Peter Johnston
17:30 –18:00	Preparing the case studies, station selection and discussion Sign up for Grill Sessions	Anna Taylor Emma Archer Chris Jack Lisa Coop
18:00	<b>Snacks and Drinks</b> in EGS Quad/tea room	

**DAY 2: TUESDAY 13 JULY**

Venue: Department of Environmental and Geographical Science, University of Cape Town

TIMING	ACTIVITIES	FACILITATION
<b>SESSION 3: THE CLIMATE BASELINE</b>		
09:00-10:30	Understanding the baseline: An introduction to climate, variability and observational data	Mark Tadross/Chris Jack Lisa Coop
10:30-11:00	Tea/Coffee Break	
11:00-12:30	Understanding the baseline climate: hands-on data exploration	Chris Jack Lisa Coop Tutors: Lisa, Sepo
12:30 – 13:30	Lunch	

<b>SESSION 4: ASSESSING VULNERABILITY</b>		
13:30 – 15:00	Assessing vulnerability: linking livelihoods and climate stressors	Emma Archer Anna Taylor
15:00 – 15:30	Tea/Coffee Break	
15:30 -17:30	Assessing vulnerability: Vulnerability Matrix exercise	Emma Archer Anna Taylor

### **DAY 3: WEDNESDAY 14 JULY**

**Venue: Department of Environmental and Geographical Science, University of Cape Town**

<b>TIMING</b>	<b>ACTIVITIES</b>	<b>FACILITATION</b>
9:00 – 11:00	The Climate System and Feedbacks	Chris Jack/Sepo Hachigonta
11:00-11:30	Tea/Coffee Break at liberty	
11:00 – 12:30	Understanding the baseline climate: hands-on data exploration	Chris Jack Lisa Coop Sepo Hachigonta
12:30 – 13:30	Lunch	
<b>SESSION 5: CLIMATE SCIENCE AND CLIMATE SCENARIOS</b>		
13:30 – 14:30	Overview of the IPCC and Scenarios	Mark Tadross Peter Johnston
14:30 –15:30	Climate Scenarios in Action	Mark Tadross
15:30 –16:00	Tea/Coffee Break	
15:30 -16:00	<i>Preparation of Grill Session 1 (2-3 participants, overlap with tea break)</i>	<i>Participants with support from Anna and Lisa</i>
16:00 –17:30	Exploring climate futures, a case study	Chris Jack and Lisa Coop

### **DAY 4: THURSDAY 15 JULY**

**Venue: Department of Environmental and Geographical Science, University of Cape Town**

<b>TIMING</b>	<b>ACTIVITIES</b>	<b>FACILITATION</b>
9:00 – 11:00	Exploring climate futures: hands-on data exploration	Chris Jack Tutors: Ruwani, Lisa, Sepo, Mark
<b>SESSION 6: CLIMATE IMPACTS</b>		
11:00 – 12:30	Evaluating Climate Impacts: examples from a study in Mozambique	Mark Tadross
12:30 – 13:30	lunch	
13:30 – 15:00	Grill the Climatologist Session 1: Models, Baseline and Impacts	Mark Tadross Chris Jack Sepo Hachigonta Babatunde
15:00 –15:30	Tea/Coffee Break	

15:30 – 16:30	Contrarians and Consensus - Demystifying Skepticism	Chris Jack
<b>SESSION 7: PLANNED ADAPTATION</b>		
16:30-17:30	Planned adaptation: municipal measures in coastal management	Darryl Colenbrander

## DAY 5: FRIDAY 16 JULY

Venue: Department of Environmental and Geographical Science, University of Cape Town

TIMING	ACTIVITIES	FACILITATION
<b>SESSION 8: FIELD VISIT TO GEODGEDACHT</b>		
09:00	Leave for field trip - Meet for bus @ EGS building	
10:30 –12:30	Project 90 by 2030: visit to Geodgedacht	Anna Taylor Emma Archer Ruwani Walawege
12:30 –13:10	Lunch at Geodgedacht	
13:10 –14:10	Project 90 by 2030: visit to Geodgedacht	Anna Taylor Emma Archer
14:15	Leave for UCT	
<b>SESSION 9: REVIEW, REFLECT AND EVALUATE</b>		
16:00 – 17:00	Reflection on week 1: lessons learned and looking ahead to week 2	Anna Taylor
17:00 –17:30	Interim evaluation: check-in	Anna Taylor

## PROGRAMME, WEEK 2

### DAY 6: MONDAY 19 JULY

Venue: Department of Environmental and Geographical Science, University of Cape Town

TIMING	ACTIVITIES	FACILITATION
<b>SESSION 10: CLIMATE CHANGE AND THE WATER SECTOR</b>		
9:00 - 10:30	Water scenarios under climate change: making research accessible to water managers	Roland Schulze
10:30-11:00	Tea/Coffee Break	
10:30 - 11:00	<i>Preparation of Grill Session 2 (2-3 participants, overlap with tea break and participants to begin preparing first week)</i>	<i>Participants with support from, Mark and Gina</i>
11:00 – 12:30	Grill Session 2: Climate analysis in the water sector	Roland Schulze
12:30 – 13:30	Lunch	
13:30 –15:00	Case Study Work and opportunity to continue with hands on exercises	
15:00 –15:30	Tea/Coffee Break	

<b>SESSION 11: COMMUNICATING CLIMATE INFORMATION</b>		
15:30 –17:00	Developing robust messages from climate data	Peter Johnston

## **DAY 7: TUESDAY 20 JULY**

**Venue: Department of Environmental and Geographical Science, University of Cape Town**

<b>TIMING</b>	<b>ACTIVITIES</b>	<b>FACILITATION</b>
<b>SESSION 12: UNCERTAINTY IN CLIMATE SCENARIOS</b>		
9:00 – 10:30	Uncertainty, climate envelopes and avoiding maladaptation	Bruce Hewitson
10:30-11:00	Tea/Coffee Break	
10:30 – 12:30	Uncertainty, climate envelopes and avoiding maladaptation	Bruce Hewitson
12:30 – 13:30	Lunch	
<b>SESSION 13: GEOGRAPHICAL INFORMATION SYSTEMS (GIS) FOR ADAPTATION PLANNING</b>		
13:30 –15:30	Using Geographical Information Systems (GIS) for adaptation planning – part 1	Claire Davis and Emma Archer
15:30 –16:00	Tea/Coffee Break	
15:30 – 16:30	<i>Preparation of Uncertainty Grill session 3</i>	<i>Participants with support from Daithi and Lennard</i>
16:00 –17:00	Using Geographical Information Systems (GIS) for adaptation planning – part 2	Claire Davis and Emma Archer
19:30	Dinner – Location: <b>The Wild Fig</b> , Observatory – depart B&B accommodation @ 19:10	

## **DAY 8: WEDNESDAY 21 JULY**

**Venue: Department of Environmental and Geographical Science, University of Cape Town**

<b>TIMING</b>	<b>ACTIVITIES</b>	<b>FACILITATION</b>
9:00 – 10:30	Grill session 3 Uncertainty	Bruce Hewitson with participants
10:30-11:00	Tea/Coffee Break	
<b>SESSION 14: ETHICS AND CLIMATE CHANGE</b>		
11:00 – 13:00	Issues around ethics and Climate Change	Bruce Hewitson Daithi Stone Chris Jack Chris Lennard
13:00 – 14:00	Lunch	
<b>SESSION 15: CLIMATE FUTURES</b>		
14:00 –15:00	Approaches in Probability	Daithi Stone

15:00 – 15:30	Tea/Coffee Break	
15:30 – 17:00	Visioning: building scenarios for 2020	Gina Ziervogel Anna Taylor

### DAY 9: THURSDAY 22 JULY

Venue: Department of Environmental and Geographical Science, University of Cape Town

TIMING	ACTIVITIES	FACILITATION
<b>SESSION 16: EVALUATING CLIMATE CHANGE IN AGRICULTURE</b>		
9:00 – 10:30	Climate impacts in agriculture using crop models	Sepo Hachigonta
10:30-11:00	Tea/Coffee Break	
11:00 – 13:00	Hands on exercises, crop models	Sepo Hachigonta Mark Tadross
13:00 – 14:00	Lunch	
<b>SESSION 17: ADAPTATION RISK SCREENING TOOLS</b>		
13:30 – 15:00	Adaptation and climate risk screening tools	Anna Taylor Emma Archer Chris Jack
15:00 – 15:30	Tea/Coffee Break	
15:30-17:00	Open Time for case study work	

### DAY 10: FRIDAY 23 JULY

Venue: Department of Environmental and Geographical Science, University of Cape Town

TIMING	ACTIVITIES	FACILITATION
<b>SESSION 18: CASE STUDY PRESENTATIONS</b>		
9:00 – 10:30	Case Study Presentations	Anna Taylor Bruce Hewitson
10:30-11:00	Tea/Coffee Break	
11:00 – 13:00	Case Study Presentations	Anna Taylor Bruce Hewitson
13:00 – 14:00	Lunch	
<b>SESSION 19: WRAP-UP, ASSESSMENT AND FAREWELL</b>		
14:00-15:00	Final Q&A session , Knowledge Gaps	Gina Ziervogel Emma Archer Anna Taylor
15:00-16:00	Wrap-up and evaluation	Anna Taylor