

Program

Day 1					
Time	Title	Description	Learning outcomes	Materials needed	Persons-in-charge
8:30 – 9:00	Registration			<ul style="list-style-type: none"> • Programs • Name labels 	<ul style="list-style-type: none"> • Ms Papassara Kunjara Na Ayuthaya • Ms Nipa Lithong • Dr Albert Salamanca • Dr Lada Padungkiati
9:00 - 10:00	<ul style="list-style-type: none"> • Welcome • Introductions • Expectations checking • Group photo 	<ul style="list-style-type: none"> • Overview of workshop purpose and structure • Round of individual introductions <p>Exercise #1: Mingle, mingle, mingle Exercise #2: Dreams and Nightmares</p>	<ul style="list-style-type: none"> • Clear, realistic expectations of the workshop • Getting to know each other 	<ul style="list-style-type: none"> • Camera • Papers • Pens 	<ul style="list-style-type: none"> • Dr Albert Salamanca • Dr Eric Kemp Benedict • Mr Agus Nugroho • Ms Miaojie Sun • Ms Ha Nguyen • Mr Noraset Kunjara Na Ayuthaya
10:00 – 10:30	Coffee / Tea Break				<ul style="list-style-type: none"> • Ms Papassara Kunjara Na Ayuthaya • Ms Nipa Lithong
10:30 – 12:30	Climate science and models	<ul style="list-style-type: none"> • Explore the science of climate change and the models available to study it • The section is organized into 3 parts each a mixture of lectures and group exercises aimed at testing your understanding. 	<ul style="list-style-type: none"> • Increase basic understanding of climate science and the models used to study climate changes 	<ul style="list-style-type: none"> • Computer and projector • Colour marker pens • Masking tape • Post it notes 	<ul style="list-style-type: none"> • Dr Louis Lebel
12:30 – 13:30	Welcome Lunch [with SEI Staff]				

13:30 – 14:30	Continuation of climate science and models	Exercise #3: Arms crossed			
14:30 – 15:30	Addressing risk and vulnerability through Disaster Risk Reduction and CCA	<ul style="list-style-type: none"> • Overview of DRR and CCA, highlight their similarities and differences, as well as provide a strong rationale for strengthening the linkages between DRR, CCA and development 	<ul style="list-style-type: none"> • Improve the participants' understanding of risk and vulnerability and some approaches to address them, namely disaster risk reduction (DRR) and climate change adaptation (CCA) 		<ul style="list-style-type: none"> • Dr Frank Thomalla • Ms Karlee Johnson • Mr Michael Boyland
15:30 – 16:00	Coffee / Tea Break				
16:00 – 17:30	Addressing risk and vulnerability through Disaster Risk Reduction and CCA	[continuation]			
17:30	Evaluation of Resource Persons	To improve content and practice		Evaluation Forms	Ms Miaojie Sun

Day 2					
Time	Title	Description	Learning outcomes	Materials needed	Persons-in-charge
9:00 – 9:30	Recap of day 1	Review the key insights from the previous sessions	<ul style="list-style-type: none"> Reinforce/clarify insights 	<ul style="list-style-type: none"> Metacards Pens 	Dr Albert Salamanca
9:30 – 10:30	Gender in Climate Change	<p>Introduction on the role of gender in climate change</p> <p>Exercise #4: Gender stereotypes</p>	<ul style="list-style-type: none"> Understand how bias and stereotypes impede human wellbeing and betterment Understand how gender stereotypes embedded in certain approaches to address climate change adaptation may lead to new forms of vulnerabilities or reinforce existing structural causes of inequality against women and other vulnerable groups. Learn to question gender implications of adaptation and mitigation measures; Identify opportunities and strategies for improving women and men's resilience and wellbeing 	<ul style="list-style-type: none"> Computers Flipchart Pens 	<ul style="list-style-type: none"> Dr Babette Resurreccion Ms Ha Nguyen
10:30 – 11:00	Coffee / Tea Break				
11:00 – 12:30	Gender in Climate Change	[continuation]			
12:30 – 13:30	Lunch				

13:30 – 15:00	Climate Change and Water in mountainous environment	Basic hydrology and its characteristics in mountainous area Exercise #5: Understanding the local and national context through mapping exercise	<ul style="list-style-type: none"> Better understand the hydrological cycle and relevant characteristics in the mountainous area 	<ul style="list-style-type: none"> A0 map of Bhutan with district boundaries, rivers, names Coloured cards and different shapes Metaplan cards Pens 	<ul style="list-style-type: none"> Dr Chayanis Kritasudtacheewa Ms Miaojie Sun
15:00 – 15:25	Coffee / Tea Break				
15:25 – 16:40	Climate Change and Water in mountainous environments	Climate change and its impacts Exercise #6: Identify the most important impacts in Bhutan	<ul style="list-style-type: none"> Better understand potential impact of climate change in the mountainous area Prioritize key potential impacts of climate change on water resources and identify their negative and positive consequences on the economic, environment and social aspects 	<ul style="list-style-type: none"> A0 map of Bhutan developed in Section 2 Stickers 1 flip chart Metaplan cards Pens 	<ul style="list-style-type: none"> Dr Chayanis Kritasudtacheewa Ms Miaojie Sun
16:40 – 17:00	Preparation for field visit	Orient participants on what to expect in the field and what to prepare			<ul style="list-style-type: none"> Dr Chusit Apiramanekul Dr Lada Padungkiati Mr Agus Nugroho Ms Miaojie Sun
17:30	Evaluation of Resource Persons	To improve content and practice		Evaluation Forms	Ms Miaojie Sun

Day 3:					
Time	Title	Description	Learning outcomes	Materials needed	Persons-in-charge
9:30 – 17:30	Field trip to Rama VI Dam and flood-affected communities	Expose to a water management infrastructure and communities affected by flooding	<ul style="list-style-type: none"> • Gain insight on how water infrastructures may explored to manage water resources • Interact with communities who experienced flooding and what they have done to cope and recover from it 	<ul style="list-style-type: none"> • Vans • Comfortable shoes • Water • Lunch • Snacks • Notebooks • Pens 	<ul style="list-style-type: none"> • Dr Lada Padungkiati • Mr Agus Nugroho • Ms Miaojie Sun • Dr Chusit Apiramanekul

Day 4					
Time	Title	Description	Learning outcomes	Materials needed	Persons-in-charge
9:00 – 9:30	Recap of days 2&3	Review the key insights from the previous sessions	<ul style="list-style-type: none"> Reinforce/clarify insights 	<ul style="list-style-type: none"> Metacards Pens 	Dr Lada Padungkiati
9:30 – 10:30	Tools and Technologies for water resources planning and climate change adaptation	Present some tools and technologies relevant to water resources planning and climate change adaptation which could be applied to issues in Bhutan	<ul style="list-style-type: none"> Better understand the cycle of integrated water management Better understand the tools and technologies that can be used to water management and climate change adaptation Jointly assess the impacts of climate changes on water resources in Nepal Brainstorm the options to address the identified issues for planning processes 	<ul style="list-style-type: none"> Computers Flipchart Pens 	<ul style="list-style-type: none"> Dr Chusit Apiramanekul Dr Vitor Vasconsuelos
10:30 – 11:00	Coffee / Tea Break				
11:00 – 12:30	Tools and Technologies for water resources planning and climate change adaptation	[Continuation]			
12:30 – 13:30	Lunch				

13:30 – 15:00	Challenges in mitigating climate change (Part 1)	Expose participants to the challenges in mitigating climate change and what are mitigation options at the global, country, and individual levels	<ul style="list-style-type: none"> • Increase knowledge and understanding of the global problem of climate change and the current trends and situation of GHG emissions • Increase understanding of the implication of emissions reduction targets • Increase understanding of individual contributions to emissions of GHG, the concept of carbon footprint, and activities which affect individual carbon footprints, and ability to identify ways to reduce or sustain their carbon footprints 	<ul style="list-style-type: none"> • Computers • Flipchart • Pens 	<ul style="list-style-type: none"> • Dr Wathanyu Amatayakul • Mr Agus Nugroho
15:00 – 15:30	Coffee / Tea Break				
15:30 – 16:00	Challenges in mitigating climate change (Part 2)	[continuation]			
16:00 – 17:00	An introduction to decision-making under uncertainty	Expose participants to approaches in decision-making under uncertainty	Understand how foresight techniques can be used to plan under uncertainty Gain insights on how to use foresight techniques at work	<ul style="list-style-type: none"> • Computers • Flipchart • Pens 	Dr Eric Kemp Benedict
17:00 – 17:20	Orientation on the Action Learning Set activity the following day	Brief participants on the roles and preparations they need to make for the ALS	Preparations made ahead of time		Mr Agus Nugroho
17:30	Evaluation of Resource Persons	To improve content and practice		Evaluation Forms	Ms Miaojie Sun

Day 5					
Time	Title	Description	Learning outcomes	Materials needed	Persons-in-charge
9:00 – 9:30	Recap of days 4	Review the key insights from the previous sessions	<ul style="list-style-type: none"> Reinforce/clarify insights 	<ul style="list-style-type: none"> Metacards Pens 	<ul style="list-style-type: none"> Dr Albert Salamanca Dr Lada Padungkiati
9:30 – 10:30	Exercise: Action Learning Set on Environment and Climate Change	Action learning is a structured mechanism for working in small groups to address complicated issues. Action Learning Sets (ALS) are made up of between six and eight people who meet together regularly over a reasonable time period and 'present' and collectively work on problems faced in ongoing practice. The group will then help the 'presenter' work on that problem through supportive but challenging questioning: encouraging a deeper understanding of the issues involved, a reflective reassessment of the 'problem', and an exploration of ways forward.	<ul style="list-style-type: none"> apply the knowledge participants obtained during the workshop share an effective and systematic approach for problem-solving measure the potential usefulness and impact of the workshop on their daily work as environmental officers 	<ul style="list-style-type: none"> Computers Flipchart Pens 	<ul style="list-style-type: none"> Mr Agus Nugroho Ms Miaojie Sun Dr Lada Padungkiati Dr Albert Salamanca
10:30 – 11:00	Coffee / Tea Break				
11:00 – 12:30	Action Learning Set on Environment and Climate Change	[Continuation]			
12:30 – 13:30	Lunch with all SEI Staff				

13:30 – 14:30	Communicating and sharing knowledge for influence	Introduction to communication methods and topics that can ensure key messages are better accessed and applied by policy makers, media and others in your country	Better understanding of what are the key messages, aspects of communication, thinking about the needs of the audience, and how to better share their own work on climate change in Bhutan	<ul style="list-style-type: none"> • Computers • Flipchart • Pens 	Mr Rajesh Daniel
14:30 – 15:30	Online session: weADAPT Q+A	weADAPT fly by session	To introduce weADAPT and its resources	<ul style="list-style-type: none"> • Notebooks • Video • Internet 	Dr Sukaina Bharwani
15:30 – 16:30	Overall Evaluation, Coffee / Tea Break				<ul style="list-style-type: none"> • Ms Miaojie Sun
16:30 – 17:00	Closing Ceremony and Awarding of Certificates			<ul style="list-style-type: none"> • Certificates • Gifts • Photos 	<ul style="list-style-type: none"> • Dr Eric Kemp Benedict • Ms Miaojie Sun • Dr Lada Padungkiati • Participants