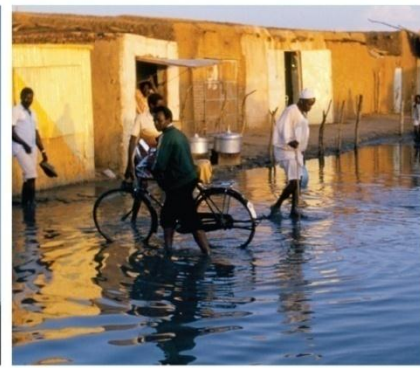


Planning for Climate-resilient Development



Urvashi Narain
GGKP Workshop, Bogor
June 4, 2013



E-learning Course



THE WORLD BANK
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Links

- eDiscussions
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Calendar

May 2013

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Events key

- Global
- Course
- Group
- User

Tracking



Economics of Climate-Resilient Development

Welcome to the WBI Course "Economics of Climate-Resilient Development". If this is your first visit to the course, please read "About this Course" section. It explains the expectations, aims and functioning of the course.

01

Overview on the Economics of Adaptation
In this section, you will review some basic ideas and issues on the economics of climate change adaptation, in order to develop...

02

How-to Framework for Climate-Resilient Development Plans
In this section, you will learn about a framework that can be applied to formulate climate-resilient development plans...

About this Course

Welcome to the WBI course on Economics of Climate-Resilient Development. Learn more...



Watch the Video ►

Course Introduction by
Urvashi Narain

Activities

- Warm-up exercise
- eDiscussions
- Course feedback

Resources

- Glossary

Course Overview

- Add link to the course video

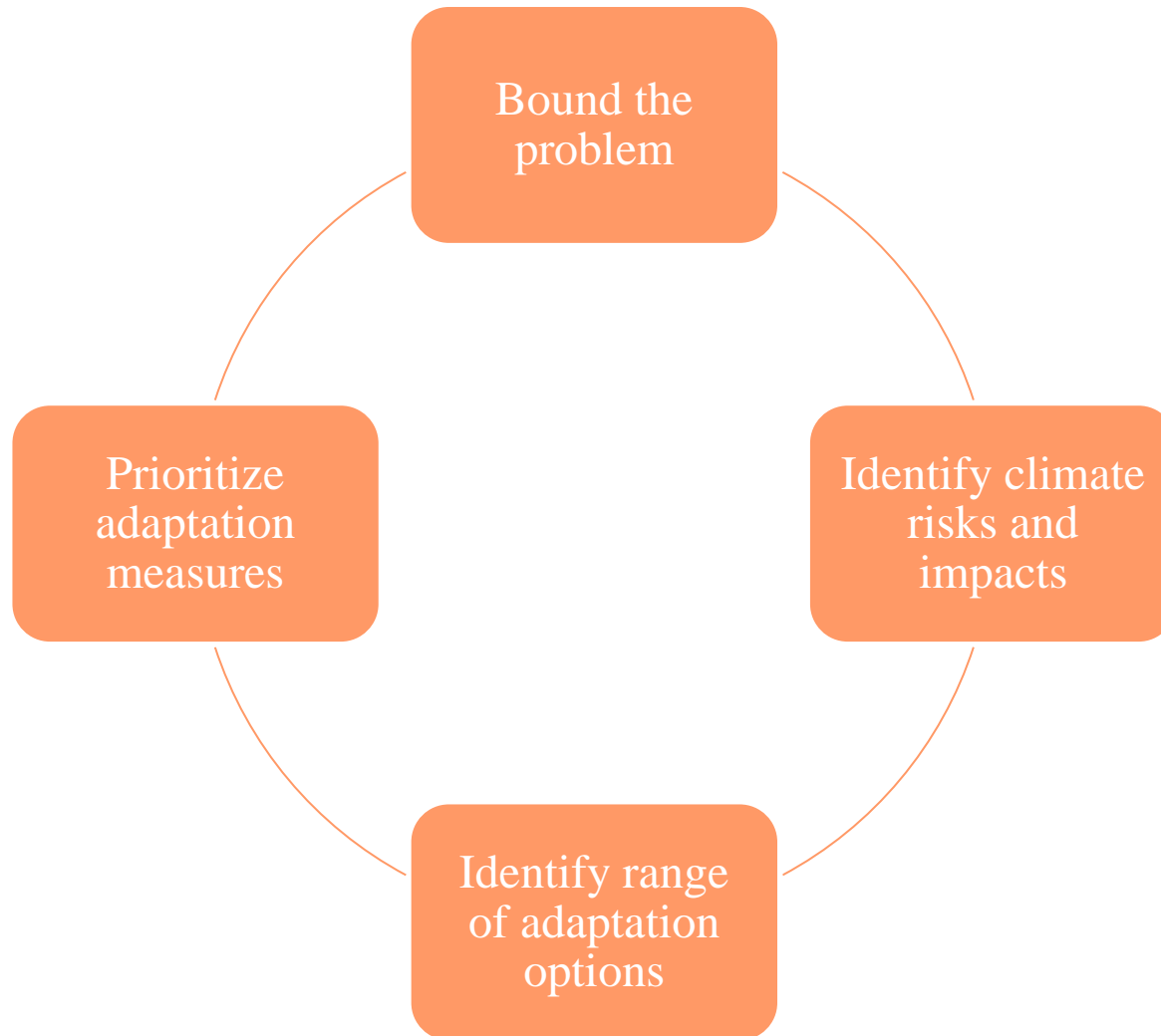
Course Overview

- Target audience – policymakers tasked with developing climate-resilient plans
- Objectives – learn the basics on how economically viable climate-resilient development plans are developed
 - practical framework
 - a policy scenario
 - Interactive exercises
 - Case studies, reference materials...

Policy Scenario

You are a practitioner in the Ministry of Agriculture. Your supervisor has asked you to determine the impact of climate change on your country's food security goal (i.e. 90 percent of cereal needs to be produced domestically by 2030), and to develop a strategy for managing this potential threat.

Framework



Step 1: Bound the Problem

Define the temporal scope

Identify a practical and relevant timeframe



Define Geographical scope

e.g. World-wide, region, nation, province



Collect and review data

Development context

Baseline trends

Adaptation and Development

Economic development is good adaptation because:

- stimulate economic diversification;
- increase risk management capacity; and
- increase community resilience.

But not development as usual...

Step 2: Assess Impacts

Determine Current Variability

Identify nature and extent of current risks



Identify future climate risks

Review historical records & trends

Review current data and future projections



Apply climate lens to development goals

Identify sensitivities

Identify impacts

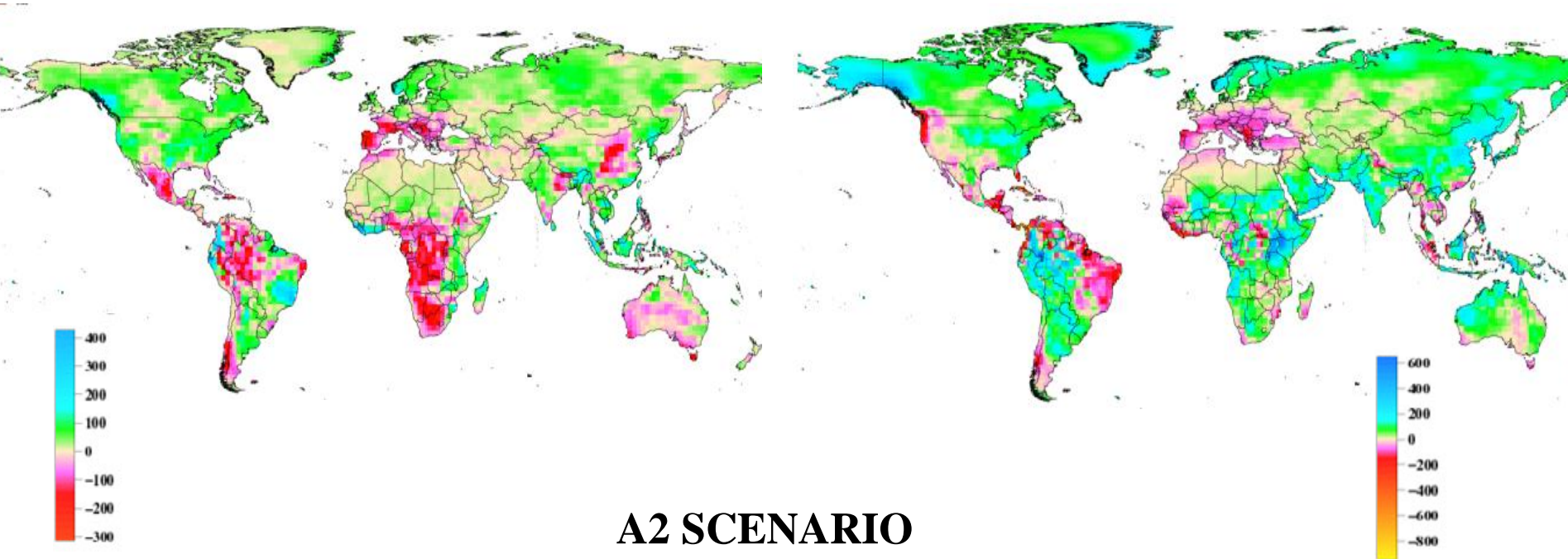
Identify significance

Adapt to what?

Change in average annual precipitation, 2000 – 2050

CSIRO (DRY)

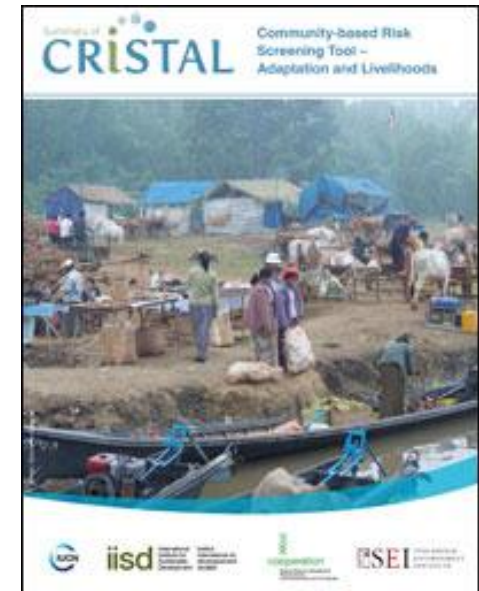
NCAR (WET)



A2 SCENARIO

Two extreme GCMs used to estimate range of costs

Step 3: Adaptation Measures



There are numerous tools to help you identify adaptation options

Step 4: Prioritize Adaptation Measures

Criteria could include:

- Cost effectiveness
- Technical feasibility
- Flexibility
- Timeframe
- Targeting most vulnerable
- Environmental sustainability
- Political feasibility
- Social/cultural acceptance

Prioritize Adaptation Measures

Dealing with uncertainty – Prioritize adaptation options that...

- ...are robust to different climate outcomes
- ...are flexible
- ...that offer no/low regrets solutions
- ...that are “soft” resilience

E-learning Course: Logistics

- Launched in July 2013
- Approx. 4 hours; Little prior knowledge
- Participate through
 - Self-paced learning
 - Facilitated delivery
 - In-country course delivery
- Information -- Amanda Jerneck
(ajerneck@worldbank.org)

Questions for Discussion

- Are adaptation plans integrated with development plans?
- How is climate uncertainty incorporated?
- How are investments prioritized?
- Lessons and challenges



THANK YOU !