Course Syllabus

Training Course on Economic Assessment Methods for Policy Support of Climate Change Adaptation in the Agricultural Sector in Lao PDR

Website:
http://bearecon.com/Lao_FAO_ClimatePolicy/

Objective:

This course offers an introduction to the theory and practice of climate risk assessment, with emphasis on Lao PDR's economy and agriculture. The course will combine theoretical and empirical material with the latest data and software resources, training participants to assess climate risk and communicate their findings effectively. Upon completion of the course, participants will have state-of-the-art decision tools to assess the economic impacts of climate change on natural resources and Lao PDR's food supply.

These objectives will be achieved through a combination of morning lectures outlining the underlying theory, and afternoon hands-on workshops providing opportunities to process data, carry out analyses, and present results in a supervised environment.

Prerequisites:

Familiarity with economics and statistics is required. Prior experience with Microsoft Excel and basic computer programming are recommended.

Materials:

Participants must each bring an individual MS Office equipped laptop (PC or Mac) to all sessions. All course content will be electronic. Content will be hosted on a course website which will remain online after the course is finished to serve as a future reference. Participants will be given internet access during class. Other computer software and data will be made available electronically during the course

Training Course Schedule:

Day 1: Overview [Monday August 25th]

Introduction to data resources and the economics of climate risk assessment.

9:00 – *Introductions*

9:15 – 10:15 – *Lecture 1: Review syllabus and discussion of project*

10:15 – 10:30 - *Coffee Break*

10:30-12:00 - *Lecture 2: Overview of economic modeling of climate change and climate data*

12:00-13:00 - *Lunch*

13:00 – 14:30 - *Workshop 1: Introduction to statistical computing*

14:45 – 15:00 – *Coffee Break*

15:00 – 17:00 – *Workshop 2: Introduction to maps and climate data*

17:00 – *End of Day 1*

Day 2: Methodologies [Tuesday August 26th]

9:00 – 10:30 - *Lecture 3: Using regression analysis to model climate risk*

10:30 – 10:45 – *Coffee Break*

10:45 – 12:00 – *Lecture 4: Climate risk assessment and communication*

12:00 – 13:00 - *Lunch*

13:00-14:45 - *Workshop 3: Example Analyses*

14:45-15:00 – *Coffee Break*

15:00 – 16:30 - *Workshop 4: Presenting Results*

16:30 - *End of training*