

Understanding Climate Risk for Evidence-Based Planning: Training of Trainers

(KILA-GHS-GHI-Woodwell)

Training Agenda

Structure: Two online 2.5 hr sessions (5:30 – 8pm IST), December 7 - 8, 2022

Participants: District Disaster Plan Coordinators, KILA Resource Personnel, LSG Officials (Basic GIS knowledge desirable)

Ahead of workshop: Download and Install QGIS

DAY 1: Introduction to Climate Risk

- I. Introductions (15 m)
- II. Components of Risk and Vulnerability (30 m)
 - a. Exposure to hazards
 - b. Sensitivity
 - c. Adaptive capacity
 - d. Discussion Groups: What does risk look like in your district? (15 m)
- III. Overview: Climate Models (15 m)
 - a. Model Ensembles
 - b. Temporal and spatial resolutions and timeframes
- IV. Overview: Flood Models (15 m)
- V. Technical Discussion: Using geospatial data (1 hr)
 - a. Ensure all students have access
 - b. Introduction to geospatial analysis platform (QGIS)
 - c. Recap, Q&A, and introduce technical exercise

Homework/Technical Exercise: Create a hazard map using geospatial data. Data can be from observations or model output. Trainees may examine local data or investigate another location.

DAY 2: Application of Climate Risk

- I. Recap Technical Exercise (15 m)
 - a. Lessons? Challenges?
 - b. Share and discuss maps in breakout rooms
- II. Observations vs projections (30 m)
 - a. Map comparison (e.g. extreme precipitation)
 - b. Planning with future projections (and uncertainty) in mind
- III. Case Studies (30 m)
 - a. Share examples of climate risk analyses for a range of locations and hazards
 - i. New Orleans, LA
 - ii. Addis Ababa, Ethiopia
 - b. Group discussions: Case study development
- IV. Discussion: Models, Maps, and Disaster Planning (1 hr)
 - a. Creating maps to share with an audience
 - b. Telling a story with your data
- V. Final Overview (15 m)