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), January 11-12, 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 (20 m)
    a. Model Ensembles
    b. Temporal and spatial resolutions and timeframes
IV. Overview: Flood Models (10 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
    c. Other Resources
V. Final Overview (15 m)