**Training of Trainers (ToT) Program on CLIMADA and Economics of Climate Adaptation (ECA)**

# Equipping Experts in Climate Adaptation

The Training of Trainers (ToT) Program is a flagship capacity-building initiative led by United Nations University in collaboration with the Global Climate Change Impact Studies Center (GCISC) funded by German Federal Ministry for Economic Cooperation and Development (BMZ). This program is tailored to equip 5 exceptional professionals with advanced skills in applying the CLIMADA modeling platform and the Economics of Climate Adaptation (ECA) framework to address pressing climate challenges.

This 4 nonconsecutive weeks program emphasizes fostering a multidisciplinary cohort of experts drawn from government departments, research institutions, academia, and other key sectors. Participants will undergo comprehensive training in the use of CLIMADA for:

• Climate risk modeling

• Economic impact analysis

• Developing actionable adaptation strategies

Participants will complete a real-world case study of their choice, with self-collected data for an impact and adaptation assessment. Additionally, they will act as knowledge multipliers, each training at least five additional individuals (trainees) within their networks or organizations, for a total of 30 trained experts in this program. This cascading approach ensures the broad dissemination of climate adaptation methodologies, creating a robust network of skilled professionals dedicated to advancing climate resilience in Pakistan.

We invite applications from highly motivated individuals with:

• Technical proficiency

• A strong interest in climate adaptation

• A clear vision to scale the impact of this initiative

The application form below is designed to identify candidates who will play a pivotal role in this transformative program.

## APPLICATION FORM

Organized by the United Nations University in collaboration with GCISC:

**Part 1: Personal Information**

• Full Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

• Designation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

• Department/Organization: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

• Region/Province:

o Islamabad

o Punjab

o KP

• Email Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

• Phone Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part 2: Academic and Professional Background:**

Educational Qualifications:

• Degree: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

• Field of Study: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

• Institution: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

• Year of Graduation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Work Experience (Start with the most recent):

• Current Position: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

• Organization: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

• Years in Position: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

• Key Responsibilities: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Relevant Experience in Climate Adaptation, Disaster Risk Management, or Environmental Studies:

• \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Previous Training Experience (if any)

• \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Programming and Technical Skills:

Check all that apply and specify the level of expertise in low-middle-high:

• Python (Level: \_\_\_\_\_\_\_\_\_\_\_\_)

• MATLAB (Level: \_\_\_\_\_\_\_\_\_\_\_\_)

• R (Level: \_\_\_\_\_\_\_\_\_\_\_\_)

• GIS/Mapping Tools (Specify: \_\_\_\_\_\_\_\_\_\_\_\_)

• Other (Specify: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

Experience with Data Analysis, Modeling, or Other Quantitative Climate Tools (please explain how long you have worked with these tools and how often you use them in your current position):

• \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part 3: Motivation and Commitment**

1. Why are you interested in this ToT program? (Maximum 200 words)

o \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. How will this training align with your current role and responsibilities? Please consider that the program will demand 4 full weeks of work spread over a year starting in May 2025. Additionally, participants will need to collect the input data for their case studies on their own between the training weeks. (Maximum 150 words)

o \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part 4: Strategy for Training Future Participants**

Provide a detailed plan for identifying and training five individuals (trainees) within your network or organization.

Selection Criteria

• What qualifications, skills, or roles will you prioritize when selecting trainees?

o \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Target Organizations and Stakeholders

• Which departments, institutions, or sectors will you engage with?

o \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Outreach and Nomination Process

• How will you reach potential participants? (e.g., formal invitations, open announcements, personal networks)

o \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Screening and Evaluation

• What methods will you use to evaluate and shortlist candidates?

o \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Diversity and Inclusion

• How will you ensure representation across regions, genders, and professional backgrounds?

o \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Commitment Assurance

• How will you ensure participants are committed to applying and sharing knowledge?

o \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Challenges and Solutions

• What potential challenges do you anticipate, and how will you address them?

o \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part 5: References**

Reference 1:

• Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

• Designation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

• Organization: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

• Contact Information: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Reference 2:

• Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

• Designation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

• Organization: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

• Contact Information: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Declaration**

I hereby certify that the information provided in this application is accurate and true. I also commit to:

1. Fully participating in the ToT program.

2. Training at least five individuals using the knowledge and skills gained.

3. Submitting a post-training report documenting activities and outcomes.

**Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Please send the filled application form to*** [***info@gcisc.org.pk***](mailto:info@gcisc.org.pk) ***on or before February 07, 2025.***

***Note:*** *Organizers will carefully review all applications and select the most suitable candidates for the role of Master Trainers and Trainees*

**Selection Criteria for Trainers**

|  |  |
| --- | --- |
| **Educational or professional background** | * University degree (Bachelor’s /Master’s/PhD) in Computer Science, Mathematics, Physicists, Engineering, or a similar field * Strong modeling background |
| **Required skill** | * Strong Python background (at least 2 years of advanced programming) * Skills in ArcGIS or QGIS (intermediate knowledge) |
| **Language requirement** | * Fluency in English |
| **Hardware requirement** | * Processor – Intel Core i7-10510U CPU @ 1.80GHz 2.30 GHz (or Equivalent) * Installed RAM - 16.0 GB * Video / Graphics Card – Not older than 4 years * Minimum Hard Drive – 500 GB (250 GB Free Space) * Preferably 1 Terabyte |
| **Software requirement (Installation necessary before workshop)** | * Git (for further installation purposes) * Anaconda Software - Conda Tool * ArcGIS or QGIS * Mamba Tool |
| **Workshop attendance requirements** | * Guaranteed Commitment to four non-consecutive weeks of in-person workshop |
| **Desired skills and miscellaneous** | * Previous experience working in a teaching or tutoring environment, preferably in an instructor role * Risk management experience preferred |

*NOTE: UNU-EHS will not provide participants with a laptop computer (Windows, Linux, or Apple Operating Systems)*

**Selection Criteria for Trainees**

|  |  |
| --- | --- |
| **Educational or professional background** | * Enrolled or completed a university degree (Bachelor’s /Master’s/PhD) in Computer Science, Mathematics, Physicists, Engineering, or a similar field * Professional background in relevant field |
| **Required skill** | * Strong Python or Matlab background |
| **Language requirement** | * Fluency in English |
| **Hardware requirement** | * Processor – Intel Core i7-10510U CPU @ 1.80GHz 2.30 GHz (or Equivalent) * Installed RAM - 16.0 GB * Hard Drive – 250 GB (50 GB Free Space) |
| **Software requirement (Installation necessary before workshop)** | * Git (for further installation purposes) * Anaconda Software - Condo Tool * Mamba Tool |
| **Workshop attendance requirements** | * Guaranteed Commitment to the 5 non-consecutive days of training |

*NOTE: UNU-EHS will not provide participants with a laptop computer (Windows, Linux, or Apple Operating Systems)*