



GLOBAL ONLINE CERTIFICATE COURSE DEMYSTIFYING ENVIRONMENTAL AND SUSTAINABILITY DATA FOR EFFECTIVE COMMUNICATION IN THE 21ST CENTURY

Focus on climate change, extreme weather events and Sustainable Development Goals (SDGs)



COURSE DATE
MARCH 6-20,
2024



LAST DATE TO APPLY
MARCH 1, 2024



COURSE PLATFORM
ZOOM AND MOODLE



COURSE DURATION
15 HOURS

TRAINING FEES
INR 3,500
(FOR INDIAN PARTICIPANTS),
USD 100
(FOR GLOBAL PARTICIPANTS)

“There is drama in numbers, especially when these numbers give you a trend—are things getting better or worse. It is even more powerful when you can use the trend to understand the crisis, the challenge and the opportunity; and take appropriate actions.”

Sunita Narain, Director General, Centre for Science and Environment



Data is not just numbers. It is critical for research communication, advocacy and decision-making. Data and the maps on climate change, air pollution, water, agriculture, urbanisation and economy, when put together, paint a larger picture of the situation in terms of sustainability and development.

So, the Centre for Science and Environment (CSE), one of South Asia’s leading think tanks on the politics of development, environment and climate change, invites you to join its Global Online Certificate Training, which focuses specifically on: understanding data, analyzing it, and visualising it to tell climate change and development stories to different stakeholders for action.

With only seven years to accomplish the

Sustainable Development Goals, climate change poses an existential threat to humanity as a whole.

Hence, the course will focus on use of data related to climate change, extreme weather events and sustainability.

By the end of the course, participants will be able to analyse and unravel what the numbers really say on environment and development. They will be able to create visually impactful stories, maps and dashboards using state-of-the-art visualisation tools for interactive communication and collaterals, for different stakeholders to trigger actions—at regional and global level.

WHO CAN ATTEND?

- Professionals, government officials and policymakers across all ministries and departments
- Academia: Faculty and researchers, and students associated with environment, climate change and sustainable development
- Researchers and writers on environment and development
- National and international civil society groups, NGOs, climate activists and advocates
- Industries: Environmental, Social and Governance (ESG)/ CSR officers, Public relations/ Communication officers
- Public relation, Data managers and statisticians interested in improving communication skills
- Anyone else interested in the subject

WHAT WILL YOU LEARN?

- **Data Sourcing:** Learn how and where to research for relevant data (and maps) on environment and sustainability. You will learn to find different data sets clean, transform and make them ready for analysis using Microsoft PowerBI
- **Data Analysis and Modelling to make data meaningful:** Learn skills required to process data and create relationships between different data sets on environment and development (includes Climate Change, Sustainable Development Goals)
- **Data Visualisation:** Understand the

basic concepts of visualisation and learn to visualise data using Data wrapper, and Microsoft PowerBI.

- **Data Dashboard:** Learn to create interactive dashboards showing relationships between different data sets on the environment and development.
- **Report Writing:** Develop skills to process, visualise, and integrate environmental data and maps into simple, compelling and informative ‘reports, articles, stories’ and other communication collaterals, for print and web.

COURSE STRUCTURE

The self-paced online programme will have video lectures, presentations, tutorials, quizzes and assignments. Participants will also get an opportunity to work on an in-depth project of their choice. The programme will also have three live interactive sessions for meeting the trainers and fellow participants.

The programme has been designed in such a way that it can be completed along with a regular job or study

THE COURSE IS BROKEN DOWN INTO FOUR MODULES

MODULE 1
Introduction to state of environment, the sustainable development goals (SDGs), trends and significance of data for effective communication and informed decision making

MODULE 2
Finding the right data (includes maps) on environment and development for in-depth research

MODULE 3
Data processing and analysis to make data meaningful

MODULE 4
Creating interactive data visualizations, maps and dashboards

KEY REQUIREMENTS

All participants would require:
1) A computer/laptop
2) A high-speed internet connection

All those who attend and complete the course will be assessed by the course coordination team. CSE and AAETI will award E-Certificates to all those who attend and complete the course

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