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GREENHOUSE GAS ACCOUNTING SPECIALIST
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URBAN GREENHOUSE GAS INVENTORY

UGHG OVERVIEW

ONLINE TRAINING BY KRISHNAJI PAWAR

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MODULE 4

City Actions on Climate Change

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URBAN GREENHOUSE GAS INVENTORY - UGHG OVERVIEW

Taking action to fight climate change is increasingly a priority for cities around the world, where half the world's population now lives and where two-thirds of the inhabitants of our planet will be concentrated by 2050

Learning Objectives

- Introduction
- Accounting and Reporting Principles
- Setting the Inventory Boundary
- City Actions on Climate Change
- City Climate Planner Program -Organization
- Becoming an UGHG Inventory Specialist
- Summary and Resources

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INTRODUCTION

- Cities, home to half the world's population and two-thirds of the planet's inhabitants by 2050, are increasingly focusing on combating climate change.
- The report emphasizes the need for a balanced approach between social development and environmental protection.
- Quality green spaces can enhance resilience and improve residents' quality of life.
- Science provides insights into climate change hazards, which are often lacking in cities.

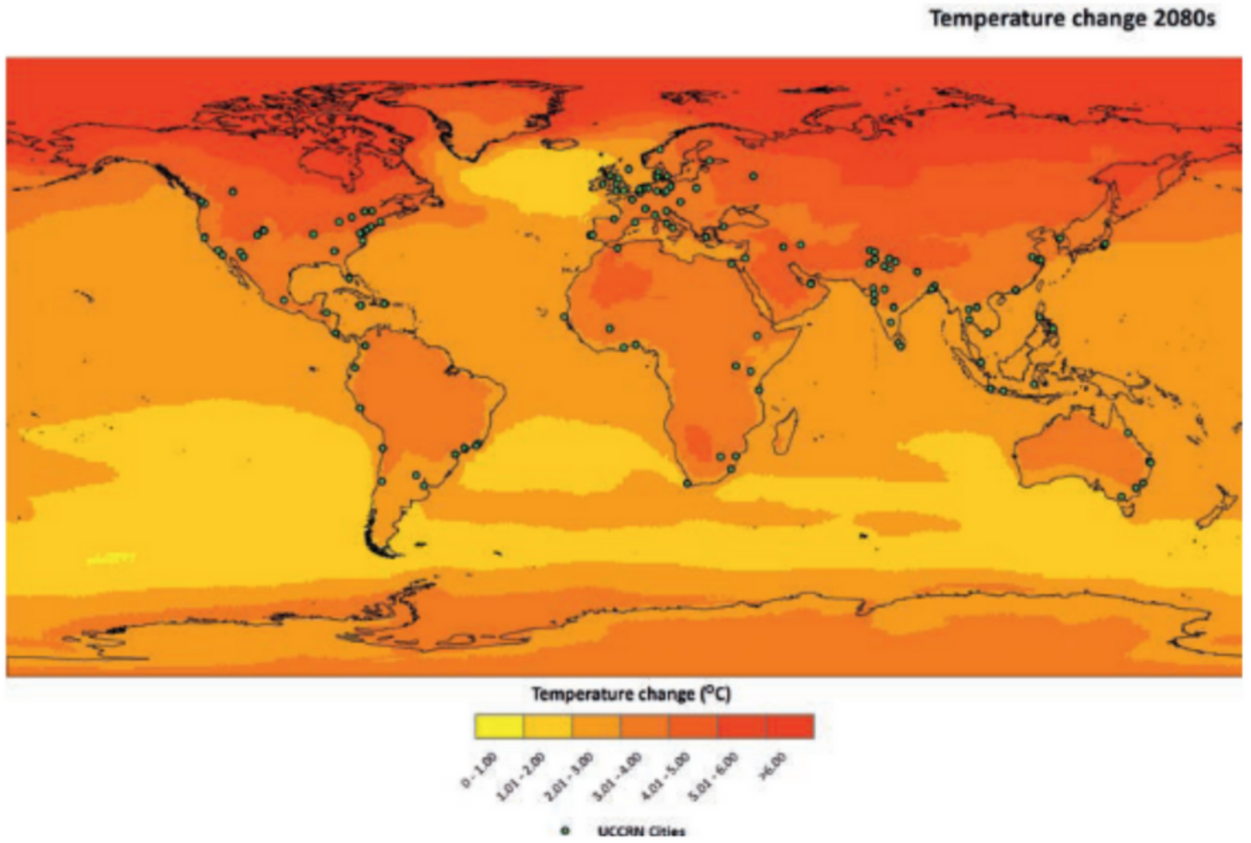
CLIMATE CHANGE AND URBANIZATION: A GLOBAL PERSPECTIVE

- Cities and local governments play a crucial role in addressing climate change.
- Urban areas generate significant greenhouse gas emissions, contributing to 80% of GDP and 60% of all carbon dioxide.
- The course aims to guide decision-makers in sustainable urbanization.





TEMPERATURE CHANGE 2080



SCL Figure 2 *Projected temperature change in the 2080s. Temperature change projection is mean of 35 global climate models (GCMs) and two representative concentration pathways (RCP4.5 and RCP8.5). Colors represent the mean change in mean annual temperature (2070–2099 average relative to 1971–2000 average). Dots represent ARC3.2 cities. ARC3.2 Cities include Case Study Docking Station cities, UCCRN Regional Hub cities, UCCRN project cities, and cities of ARC3.2 Chapter Authors.*

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CITIES' ROLE IN CLIMATE CHANGE





- Cities account for 75% of global energy-related greenhouse gas emissions.
- Urbanization is expected to increase emissions due to two-thirds of population expected to live in cities by mid-century.

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CITIES' ROLE IN CLIMATE CHANGE+



- Cities are designing solutions to combat climate change, promoting sustainable development and climate resilience.
- Achieving a net-zero future aligned with the Paris Agreement requires emission measurement standards and effective mitigation strategies.

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THANK YOU

