



BEYOND
SMART CITIES

**URBAN GREENHOUSE GAS INVENTORY
SPECIALIST
TRAINING COURSE**

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GHG AND CLIMATE CHANGE SPECIALIST CURRICULUM

AN ACCREDITED COURSE
BY THE
INSTITUTE OF GREEN BUILDING & CONSTRUCTION
OF INDIA

WHAT SHOULD YOU LEARN



- Urban Greenhouse Gas Inventory Specialist
- How to become an Urban Greenhouse Gas Inventory Specialist
- Eligibility Requirements
- About the UGHC Exam
- Credential Maintenance
- Why focus on professional credentials?
- Resources



ABOUT CITY CLIMATE PLANNER PROGRAM



The City Climate Planner (CCP) Certificate Program aims to increase the global talent base of local climate planning specialists. Through training and offering professional certificates, the CCP will help city practitioners develop the skills needed to design, plan and implement green growth initiatives in their cities.

Cities are quickly becoming the world's center for business and commerce, accounting for over 80% of the world's economic activity, but also contributing to two-thirds of the world's overall energy consumption, and about 70% of global greenhouse gas (GHG) emissions.

With urban populations booming, the choices local governments make today about managing their emissions and preparing for climate change will have major impacts on the health and economic well-being of their city. City climate planning is now more important than ever. However, few developing cities have comprehensive climate action plans or green growth strategies that are based on reliable data.

CITY CLIMATE PLANNER PROGRAM +



To help build capacity in local-level climate planning, the World Bank and global partners developed the City Climate Planner (CCP) Certificate Program, a training and professional certificate program that aims to increase the global talent base of climate planning professionals. The first certificate to be developed is focused on GHG emission inventories, as they are seen as a key building block in development of quality climate action plans.

The result is a training on the latest internationally accepted standard for GHG inventories, a rigorous certificate exam that allows candidates to demonstrate mastery of the content and access to professional networks that support this work. In the future, additional content areas and certificates that address other components of climate action planning will be created.

The first certificate developed under the CCP program is for community-level GHG emissions inventory accounting. The certificate is for individuals who help cities or communities develop and track GHG emissions at the local scale. The Global Protocol for Community-Scale Greenhouse Gas Emission Inventories (GPC), which is an internationally-recognized standard for developing local inventories, is at the core of this certificate.

URBAN GREENHOUSE GAS INVENTORY SPECIALIST



The Urban Greenhouse Gas Inventory Specialist credential is City Climate Planner program's first professional certification. It focuses on GHG emission inventories, recognized as a key building block in developing quality climate action plans.

Reliable and quality GHG emissions data is key in guiding the planning of effective city-level climate action. Urban Greenhouse Gas Inventory Specialist credential is designed for individuals to help local governments identify, measure and track GHG emissions in their cities.

The credential is ideal for those working on GHG emission inventories, including: Local government professionals, Consultants and Academic/nonprofit groups

Specialize in measuring community-scale greenhouse gas emissions

HOW TO BECOME AN URBAN GREENHOUSE GAS INVENTORY SPECIALIST



In order to achieve the Urban Greenhouse Gas Inventory Specialist credential, all candidates must meet the eligibility requirements and pass the exam.

The exam was constructed by experts in GHG emissions inventory accounting and is intended to test a candidate's competency to perform the job functions of an Urban Greenhouse Inventory Specialist

An Urban GHG Inventory Specialist coordinates with stakeholders, gathers and analyzes data, and calculates and reports community-scale greenhouse gas emissions in accordance with the Global Protocol for Community-Scale Greenhouse Gas Emission Inventories (GPC) to help cities meet climate change mitigation objectives.

ELIGIBILITY REQUIREMENTS



Practical experience* in all phases of developing a GHG inventory on a community or national scale. The applicant must have participated in each of the following GHG inventory development activities:

- ✓Project planning
- ✓Defining the scope of emissions inventory
- ✓Managing data
- ✓Calculating emissions
- ✓Synthesizing emission inventory results
- ✓Reporting activities

✓Plus a degree in higher education. Higher education is defined as completion of a degree beyond high school.

✓Or five years working in a related field. Related field may include, but is not limited to: agriculture, climate science, economics, energy, environmental, facilities management, natural resources, public administration, sustainability, transportation, urban planning, utilities management, waste management.

CREDENTIAL MAINTENANCE PROGRAM (CMP)



✓Develop or update one GPC compliant inventory, or

✓Provide technical support in the development of four GPC-compliant inventories. Inventories must be published and acknowledged as GPC-compliant. Technical support includes, but is not limited to: peer-to-peer technical advice, review and training on data, methods and reporting.

✓Plus one of the following options:

➤Option 1: Continuing Education

➤Option 2: Retake the examination

✓Complete 50 continuing education (CE) hours within the five-year reporting period.

✓Credential holders may take the Urban Greenhouse Gas Inventory Specialist examination within one year of the expiration of certification, but not sooner. The original certification cycle of five years will remain—cycles may not be shortened or lengthened.

ABOUT EXAM

An Urban Greenhouse Gas Inventory Specialist coordinates with stakeholders, gathers and analyzes data, and calculates and reports community-scale greenhouse gas emissions in accordance with the Global Protocol for Community-Scale Greenhouse Gas Inventories (GPC) to help cities meet climate change mitigation objectives.

The exam assesses candidates' abilities at three cognitive levels: Recall, Application and Analysis.

- ✓ Recall Items: These items assess a candidate's ability to recall factual material that is presented in a similar context to the exam references.
- ✓ Application Items: These items provide the candidate with a novel problem or scenario that the candidate can solve using familiar principles or procedures described in the exam references.
- ✓ Analysis Items: These items assess a candidate's ability to break the problem down into its components to create a solution. The candidate must recognize the different elements of the problem and evaluate the relationship or interactions of these elements.

EXAM FORMAT

The Urban Greenhouse Gas Inventory Specialist exam contains 80 randomly delivered multiple choice questions and must be completed in 90 minutes.

The exam has scored questions and unscored questions. All questions are placed randomly throughout the exam and candidates are not informed of a question's status, so the candidate should respond to all questions on the exam. Unscored questions are used to gather data regarding how the question performs. This data informs the use of the question on future exams.

The Urban Greenhouse Gas Inventory Specialist exam is scored between 125 and 200. A score of 170 or higher is required to pass. Your exam results will be displayed on screen at the end of the exam and you will receive a copy of your results via email.

Within 72 hours of your appointment, your exam results will be processed and your account will be updated.

WHY FOCUS ON PROFESSIONAL CREDENTIALS?

A professional credential for individuals working in city climate action can bring the following benefits:

- ✓ Draw individuals to the field of climate planning by establishing a professionalized career path
- ✓ Provide a quality assurance mechanism and recognition of expertise, also as a signal to potential employers
- ✓ Establish a set of technically sound practices that can help enhance the overall quality of climate planning
- ✓ Support communities of practice or professional associations that evolve and grow the profession
- ✓ Connect inventory findings to broader local and national climate goals to help formulate and shift policy to benefit city scale green growth
- ✓ Enhance data collection, data review and data interpretation skills to offer guidance to local decision-makers

RESOURCES FOR STUDY

The primary source for the Urban Greenhouse Gas Inventory Specialist exam is the Global Protocol for Community-Scale Greenhouse Gas Inventories (GPC). When combined with the exam specifications, the candidate has the material from which the exam is based. Greenhouse Gas Protocol. Global Protocol for Community-Scale Greenhouse Gas Inventories. World Resources Institute, C40 Cities, and ICLEI, 2014.

The Urban Greenhouse Gas Inventory Specialist Candidate Handbook covers current exam eligibility, renewal requirements and policies and procedures for the exam. The exam draws on the Global Protocol for Community-Scale Greenhouse Gas Emission Inventories.

<https://ghgprotocol.org/greenhouse-gas-protocol-accounting-reporting-standard-cities>



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THANK YOU

**THE WORLD'S 1ST GREEN TECHNOLOGY
MARKETPLACE**

The advertisement features a person in a white lab coat interacting with a glowing digital cityscape. A circular logo in the top right corner contains the text "GREENHOUSE GAS ACCOUNTING SPECIALIST" and "BEYOND SMART CITIES".