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GREENHOUSE GAS ACCOUNTING SPECIALIST
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URBAN GREENHOUSE GAS INVENTORY

UGHG OVERVIEW

ONLINE TRAINING BY KRISHNAJI PAWAR

LEED AP(BD+C),GSAS CGP,GCP,ISO 14001

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MODULE 7

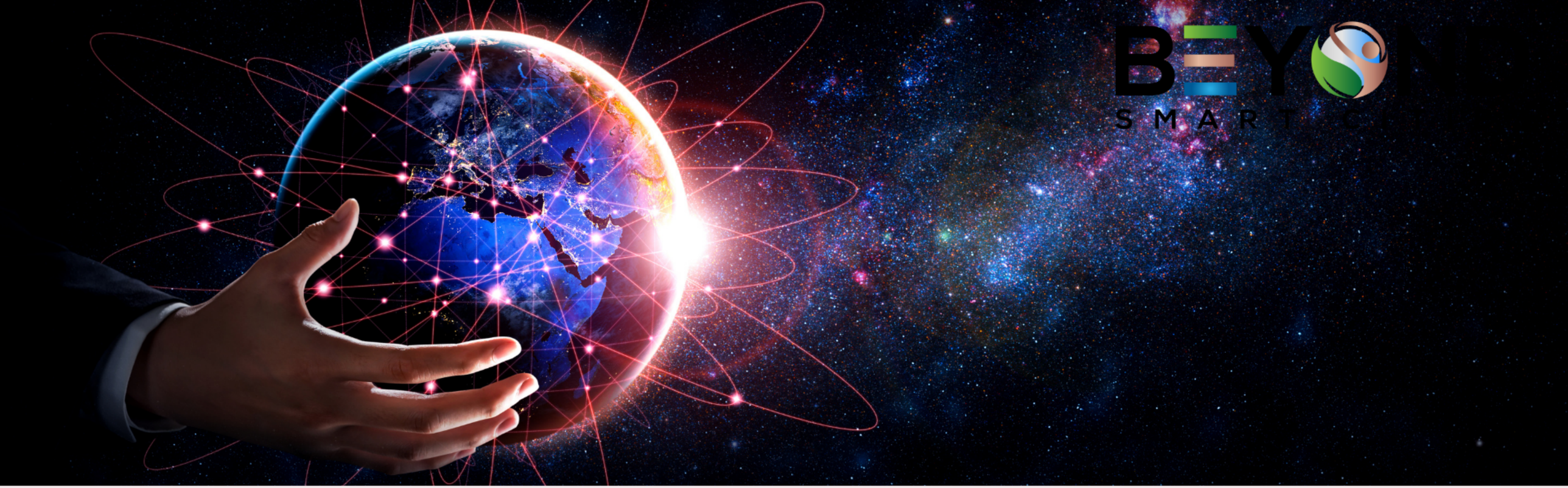
Summary and Resources

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URBAN GREENHOUSE GAS INVENTORY - UGHG OVERVIEW

This training analyzes urban-related GHG accounting standards, comparing GPC, and ISO 14064-1:2018. It suggests improvements in comprehensiveness, transparency, and data quality to guide cities towards a low-carbon path.

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

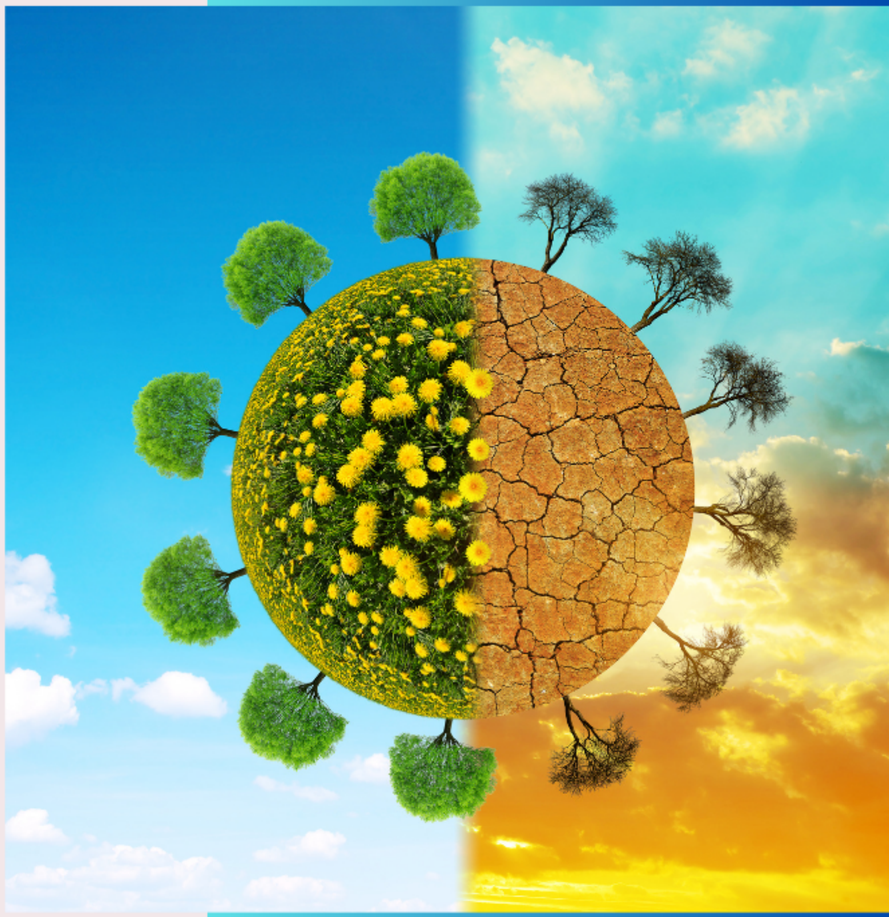
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INTRODUCTION

- GHG inventory is crucial for effective climate action planning and monitoring.
- It helps cities understand emissions and removals of greenhouse gases, guiding mitigation efforts and tracking progress.
- Many cities have developed GHG inventories, which are used to set emission reduction targets, inform climate action plans, and track performance.

ADVANCING SUSTAINABLE URBAN DEVELOPMENT

- A city-wide GHG inventory can help cities meet legal and voluntary requirements to measure and report GHG emissions data.
- Many cities are disclosing GHG emissions data through voluntary reporting platforms like CDP and ICLEI'S unified reporting system.
- National programs and global alliances require cities to follow reporting frameworks for consistent inventory data reporting.
- Current inventory methods vary in emission sources, definitions, and treatment of transboundary emissions, making comparisons difficult and limiting data aggregation.



ADVANCING SUSTAINABLE URBAN DEVELOPMENT

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- The updated Global Protocol for Community-Scale Greenhouse Gas Inventories (GPC) offers a robust framework for calculating and reporting city-wide GHG emissions.
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WELCOME TO BEYOND SMART CITIES

Beyond Smart Cities is the world's 1st Green Technology Marketplace, connecting millions of Sustainability Specialists, Green Building Specialists, Energy Specialists, Commissioning Specialists, Environment Specialists, Health & Safety Specialists, Fire Safety Specialists, Climate Change Specialists & Green Products/Technology Manufacturers with independent talent around the globe.

Our mission is to build and support a global community of experts with the highest professional standards in sustainability, green building, energy, commissioning, environment, health & safety, fire safety, climate change, GHG accounting, carbon auditing, and GHG emissions management.

RESOURCES

- https://learn.beyondsmartcities.in/courses/building-energy-assessment-professional-beap/
- https://beyondsmartcities.in/category/green-building-technology
- https://ghgprotocol.org/standards
- BSI. “Application of PAS 2070 – London, United Kingdom: An assessment of greenhouse gas emissions of a city.” 2014. http://shop.bsigroup.com/upload/PAS2070_case_study_bookmarked.pdf.
- C40 & NYC Mayor’s Office of Sustainability. “Defining Carbon Neutrality for Cities and Managing Residual Emissions”
- April 2019. Https://www.c40.org/researches/defining- carbon-neutrality-for-cities-managing-residual-emissions
- The Climate Collaborative. “Discussion Paper: Community GHG Inventory and Forecast for Waterloo Region.” May 2012. http://www.regionofwaterloo.ca/en/aboutTheEnvironment/resources/CommunityGHGInventoryForecastforWaterlooRegion_DiscussionPaper_May2012.pdf.



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