

Greenhouse Gas Accounting Tool for Chinese Cities



- First comprehensive greenhouse gas accounting tool for Chinese cities
- Consistent with the Global Protocol for Community-scale Greenhouse Gas Emissions (GPC)

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China lacks a unified methodology for city-level greenhouse gas (GHG) measurement. The GHG Accounting Tool for Chinese Cities (Pilot Version 1.0) provides a comprehensive set of methodologies to measure GHG emissions from cities and helps cities design effective action plans to mitigate their emissions.

It was jointly developed by:

- World Resources Institute (WRI)
- Institute of Urban and Environmental Studies of the Chinese Academy of Social Sciences (CASS)
- World Wide Fund for Nature (WWF)
- Institute for Sustainable Communities (ISC)



Importance of city-level GHG accounting

- Basis for GHG target allocation and performance tracking
- Foundation for low-carbon city planning
- Basis for establishing national GHG database
- Shared learning between cities

Steps in GHG accounting

- Step 1: Define accounting boundary
- Step 2: Identify emissions sources and sinks
- Step 3: Determine calculation methods
- Step 4: Collect data
- Step 5: Calculate GHG emissions
- Step 6: Report GHG emissions

Trainings

- We organize trainings on low-carbon city planning and GHG accounting
- Target audience: government officials, researchers, practitioners

Download

We regularly update the Tool. Users can download the latest version free of charge at the following websites:

GHG Protocol: <http://www.ghg-protocol.org/chinese-city-tool>

WRI China: ww.wri.org.cn/node/492

Project Background

The GHG Accounting Tool for Chinese Cities (Pilot Version 1.0) was developed based on the Global Protocol for Community-Scale Greenhouse Gas Emissions (GPC) Pilot Version 1.0 jointly developed by WRI, C40 Cities Climate Leadership Group, ICLEI-Local Governments for Sustainability in collaboration with the World Bank, United Nations Environment Program (UNEP) and UN HABITAT.

The GPC Pilot Version 1.0 was released in May 2012. It is currently being pilot tested in 35 cities (see map below). Pilot cities will conduct GHG inventories according to GPC's requirements, and communicate and exchange experience through regular webinars and workshops. Feedback from these cities will help improve the GPC as well as inspire other cities to measure and manage their emissions.

Beside pilot testing, WRI and partners also established an advisory committee that consists of 20 international organizations to provide high-level guidance, advice and direction on the development and implementation of the GPC.

The final version of the GPC is scheduled to be published in 2014.

GPC Pilot Cities



GPC Partners



WORLD
RESOURCES
INSTITUTE



GPC Supporters

The World Bank

UNEP

UN HABITAT

GPC Advisory Committee

- | | | | |
|--------------|----------|------------------|---|
| • WRI | • OECD | • IPCC | GPCwebsite |
| • C40 | • WBCSD | • ICLEI U.S. | http://www.ghgprotocol.org/city-accounting |
| • ICLEI | • BSI | • Clean Air Asia | |
| • World Bank | • R20 | • WWF | |
| • UNEP | • CDP | • IGES/ NIES | |
| • UN HABITAT | • UNFCCC | | |

Tool development funders



About WRI

WRI focuses on the intersection of the environment and socio-economic development. We go beyond research to put ideas into action, working globally with governments, business, and civil society to build transformative solutions that protect the earth and improve people's lives.

- Solutions to Urgent Sustainability Challenges
- Practical Strategies for Change
- Global Action

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