

WRI India Launches Food Waste Emission Tool

WRI India launched a new tool to help cities quantify and reduce greenhouse gas emissions from food waste management.

The India Food Waste GHG Emission Estimation Tool is designed to estimate emissions generated across the food waste management chain.

KEY EXAM POINTS

- **WRI India** developed a tool to estimate and reduce **greenhouse gas emissions** from **food waste**.
- The tool helps **cities**, **businesses**, and residential communities quantify emissions from **food waste management**.
- **India** generated approximately **62 million tonnes** of **municipal solid waste** in **2022-23**.
- **Food waste** alone was estimated to have emitted **106.62 million tonnes** of **carbon dioxide equivalent (CO₂e)** in **2023**.
- The tool aims to identify opportunities for **reducing emissions** across the **food waste management chain**.

STATICS & SYLLABUS FOCUS

The **World Resources Institute (WRI)** is a global research organization focused on **environmental sustainability**.

Greenhouse gases (GHGs) like **carbon dioxide**, methane, and nitrous oxide trap heat in the atmosphere, contributing to **global warming**.

Carbon dioxide equivalent (CO₂e) is a standard unit for measuring **carbon footprints**, expressing the impact of different GHGs as the amount of CO₂.

The **Solid Waste Management Rules, 2016**, mandate **segregation of waste** at source and promote **composting** of organic waste.

Swachh Bharat Abhiyan (Urban) 2.0, launched in **2021**, aims for "**Garbage Free Cities**" with a focus on source segregation and **scientific waste management**.

The **United Nations Sustainable Development Goal 12.3** aims to **halve** per capita global **food waste** at the retail and consumer levels by **2030**.

The **Ministry of Environment, Forest and Climate Change** is the **nodal ministry** for **environmental protection** and waste management policies in India.

REVISION FLASHCARD

WRI India launched a tool to quantify food waste greenhouse gas emissions.

Syllabus Relevance: High

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