

Für Mensch & Umwelt

Umwelt 
Bundesamt

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IFAT Side Event in Munich, 15th of May 2018

Resource and Climate Protection through Integrated Waste Management Projects in Emerging Economies and Developing Countries - Example India

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Section Waste Technology, Waste Technology Transfer

Overview

Project Title Resource and Climate Protection through Integrated Waste Management Projects in Emerging Economies and Developing Countries – Example India

Commissioned by German Environment Agency (UBA)

Contractors ifeu – Institute for Energy and Environmental Research, Germany
(www.ifeu.de)

Development Alternatives (DA), New Delhi, India

ecoparadigm, Bangalore, India

Duration October 2015 – June 2018

Aim Support decision-makers in identifying the potential to reduce greenhouse gas (GHG) emissions in the Solid Waste Management (SWM) sector
in order to plan their waste management and climate mitigation commitments and activities accordingly.

Project Activities

- Selection of up to three cities as pilot cases using a set of relevant criteria to learn about different situations according to climate, etc.;
- Research and analysis of local data and information to define a baseline scenario;
- exchange with local stakeholders expectations, plans, programs to identify two possible future scenarios;
- GHG balances using the LCA method;
- General recommendations for climate-optimized SWM planning and project conception;
- Demonstration of the effect of uncertain data on the GHG balance;
- Impact of waste measures on climate mitigation for small, medium and mega-size cities.

Implementation

- 2015:
 - Criteria definition
 - Selection of Bangalore
- 2016:
 - Selection of cities Bhopal and Haridwar
 - Local data and information collection phase
 - Workshop in Bangalore with stakeholders on 25th of October

Implementation

- 2017:

- Stakeholder meetings in Bhopal 20-21st of March;
- Workshop in Haridwar with stakeholders on 23rd of March
- GHG balances for each cities + draft results, conclusions and recommendations
- Addition to project scope (Impact of an incomplete or uncertain waste data basis on GHG modeling and decision-making for waste management systems)

- 2018:

- Closure event on 31st of January in Delhi
- Reporting and publishing until end of year
- Presentation and Discussion on IFAT
- Final Reporting
- Contribution to the Indo-German Working Group on Waste

Why taking GHG mitigation potential of the waste sector into account for decision-making?

- **High potential for mitigation of methane** by establishing modern integrated waste management systems in Indian cities;
- **Contribution to achieve India's climate commitments** (Nationally Determined Contributions NDCs);
- **Interesting and important co-benefits** (health, job generation, (urban) environment...);
- **Opportunities for India, for example:**
 - Climate finance and financing mechanism (Green Climate Fund GCF, NAMA-Facility);
 - Waste Initiative of Climate and Clean Air Coalition CCAC
 - C40 Cities for Climate....

Contacts

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Thank you for your attention

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