



Case Study/
Advisory

GGGI - National Air Inventory Study



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| Country | All Emirates, United Arab Emirates |
| Client | GGGI |
| Duration | 10 months |
| Staff Count | 1 |



Global
Green Growth
Institute

DESCRIPTION OF THE PROJECT:

Improved air quality is among the key performance indicators of the UAE National Agenda. The National Air Emissions Monitoring Project developed a methodology for an air emission inventory for the UAE based on best practices, and for the integration of existing inventories developed by the emirates of Abu Dhabi, Dubai and Ajman.

The developed methodology was supplemented by a framework to guide the implementation of the inventory, detailing required steps and coordination mechanisms and identifying capacity building needs.

IMPACTS REALIZED

- Developing a unified national methodology which allows for the calculation of the amount of produced harmful air pollutants across the UAE.
- Knowledge and awareness the main harmful air pollutants produced by different sectors and different activities, along with their harmful effects

DESCRIPTION OF THE SERVICES PROVIDED:

- Annual breakdown of air pollutant emissions by source category.
- Sectoral analyses for all emission source categories demonstrating the contribution of each key sector to pollutant emissions.
- Emission reduction plan in accordance with current legislation and the future air quality targets.
- Emission trends for major air pollutants, obtained through comparison with previous inventories

DESCRIPTION OF THE APPROACH:

- Stakeholder consultation and gap analysis.
- Following the EMEP/EEA methodology, for it being more transparent, comparable, and evaluable than US/EPA.
- Defining the key sectors.
- Identifying source category.
- Determining emission factors.
- Determining the activity data.
- Emission calculation