

Abstract for your presentation at WGIA16: about 400 words (one page)

## **Bridging the Data Gap: A National Disaggregation Effort to Support Sub-National GHG Estimates**

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### **Abstract**

With the Paris Agreement, the importance of frequent reporting of GHG emissions is now more crucial than ever to design robust climate actions. In the case of India, official GHG inventories are available for the year 1990, 2000, 2007 and 2010. These inventories, however, do not provide in-depth details of activity data and emission factor corresponding to the methodologies followed to arrive at the emissions estimate. To establish a trend and identify emission hotspots to drive robust climate actions a time-series of emissions estimates are necessary. A recent economy-wide GHG emissions would be a prerequisite.

With this background, WRI India along with other civil society organizations in India collaborated to develop time-series of GHG estimates. This is a humongous task and therefore, different research organizations took sectoral responsibilities to determine GHG emissions from key economic sectors like energy, industrial energy use and industrial process and product use (IPPU), waste and agriculture, forestry and other land use (AFOLU).

A system was designed with formation of secretariat and sectoral partners with pre-defined roles and responsibilities. To enhance confidence for intended users of these GHG estimates, peer review was integrated into the system. WRI India developed the guidance framework based on IPCC good practice guidance. This new framework aligns with internationally followed reporting of GHG estimates and allows for national datasets to be disaggregated to the subnational level estimates.

### ***Disaggregation to City Level***

In order to accelerate climate action at the city level, there is also a need to make activity data and emission factors available at city level in an open and transparent manner. WRI is developing a new platform which provides cities with some of the estimates cities need for city level strategies and prioritizing local actions. The platform will make use of community-scale GPC guidelines to develop methodology for scaling down national and sub-national estimates to city level.

The poster will highlight the system developed by WRI in three key economic sectors using India as an example at the sub-national level. It will also showcase the platform focused on time-scaling national and state level emissions data. The methodology and data collection and analysis can be used to inform national inventory development, data improvement, and policy planning.

### **References**

<http://www.ghgplatform-india.org/>

### **Access to relevant information**

<http://www.ghgplatform-india.org/>