

iCIFOR will be hosting the 2nd APN workshop on carbon balances in the Asia region “Greenhouse gas budgets of South and Southeast Asia”, Amazon meeting room, 9-11 October 2012. The event is organized by the Asia Pacific Network for Global Change Research, JAMSTEC, Global Carbon Project-CSIRO, and CIFOR. Bellow is the background document. TWINCAM partners and those interested in the issue and willing to contribute are welcome; please contact: [r.go@cgiar.org](mailto:r.go@cgiar.org)

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**Second meeting of the  
Greenhouse gas budgets of South and Southeast Asia**

**Sponsored by  
Asia Pacific Network for Global Change Research, JAMSTEC, Global Carbon Project-CSIRO, and CIFOR**

9-11 October 2012  
CIFOR, Bogor, Indonesia

**Scope of the Activity**

To work towards the establishment of the GHG budget for South and Southeast Asia with the ability to scale-down to regions and scale-up to the Asian region. The effort is based on the synthesis and reconciliation of top-down (atmospheric observations and inverse models) and bottom up estimates (ground based flux and stock observations, remote sensing products, and terrestrial models). While inverse estimates provide a regional net GHG balance, bottom up estimates provide the necessary process attribution to shed light into future dynamics and the components of the balance that can be managed by human activity.

**Objectives of the second workshop**

1. To further advance towards a full ghg budget of regions of South Asia and Southeast with the following specific new developments:
  - New riverine C dataset
  - New work on emissions from land use change
    - mangroves
    - peatlands
    - cropland
    - explore new remote sensing products on deforestation
    - others
  - Flux tower data
  - Remote sensing products
  - Evaluate new carbon stock products
    - mangroves
    - tropical wide new RS products on tropical biomass
    - forest inventory data
    - others
  - More work on CH<sub>4</sub>

- atmospheric Inversions
  - bottom up estimates
  - More effort on N<sub>2</sub>O
    - atmospheric inversions
    - bottom up estimates
  - Terrestrial ecosystem modeling
    - global vegetation dynamic models
    - crop modeling
    - wetland modeling
    - others
  - Others (participants suggest)
2. To move towards a grand synthesis of the net ghg balance of Asia – one main paper (main focus for the third meeting but needs to start preparations in second meeting)

### **Products**

The workshop will continue exploring the development of new datasets and peer-review papers towards improving the C balance of South and Southeast Asia (for the totality of the budget or components of it). The workshop will also develop a road map to move towards a grand synthesis which will lead to one or more paper/s on the Asia carbon balance and its component fluxes with an emphasis on recent trends.

### **Format of the workshop**

Short presentations with ample time for discussions in plenary and break-out groups.

### **Participant list**

Anticipated 20-30 participants.

### **Dates**

9-11 October 2012

### **Venue**

Amazon meeting room, CIFOR, Bogor, Indonesia