

# Initiating a Multi-Stakeholder Collaboration for Carbon Emission Accounting from Forestry Sector in South Sumatra

*Biodiversity and Climate Change (BIOCLIME) Project*

Presented in:

*Lokakarya Sosialisasi Data Spasial Kehutanan untuk Perhitungan Emisi Karbon dan Sinergi  
Kolaborasi Mendukung Program Rencana Aksi Daerah Gas Rumah Kaca (RAD-GRK)  
Provinsi Sumatera Selatan  
Palembang, 13 October 2016*

**Teddy Rusolono, Tatang Tiryana**



**giz**



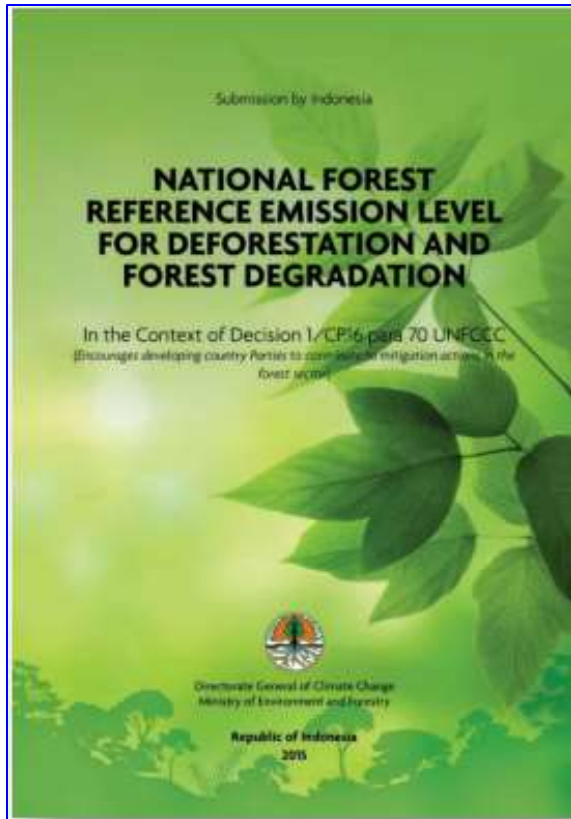
# Indonesia's Commitment

- Reducing emission level:
  - Kyoto Protocol target by 2020:
    - 26% by national efforts
    - 41% by international supports
  - New target of INDC (Intended Nationally Determined Contributions) for 2021–2030 (COP 21 in 2015):
    - 29% by national efforts
    - 41% by international supports
- BAU scenario in 2030:
  - 2.881 Gt CO<sub>2</sub>e



# Indonesia's commitment...(2)

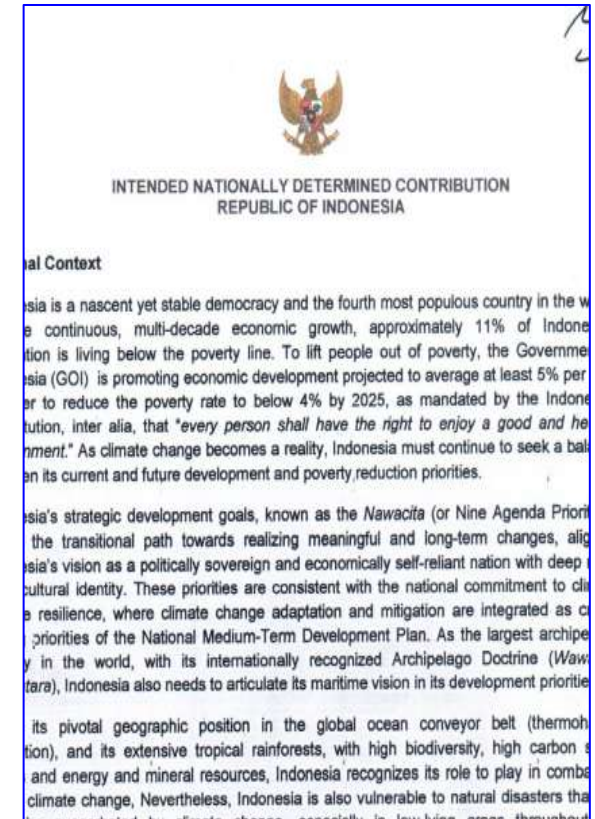
- Indonesia has submitted 3 documents to UNFCCC:



**National FREL**  
(forestry sector)



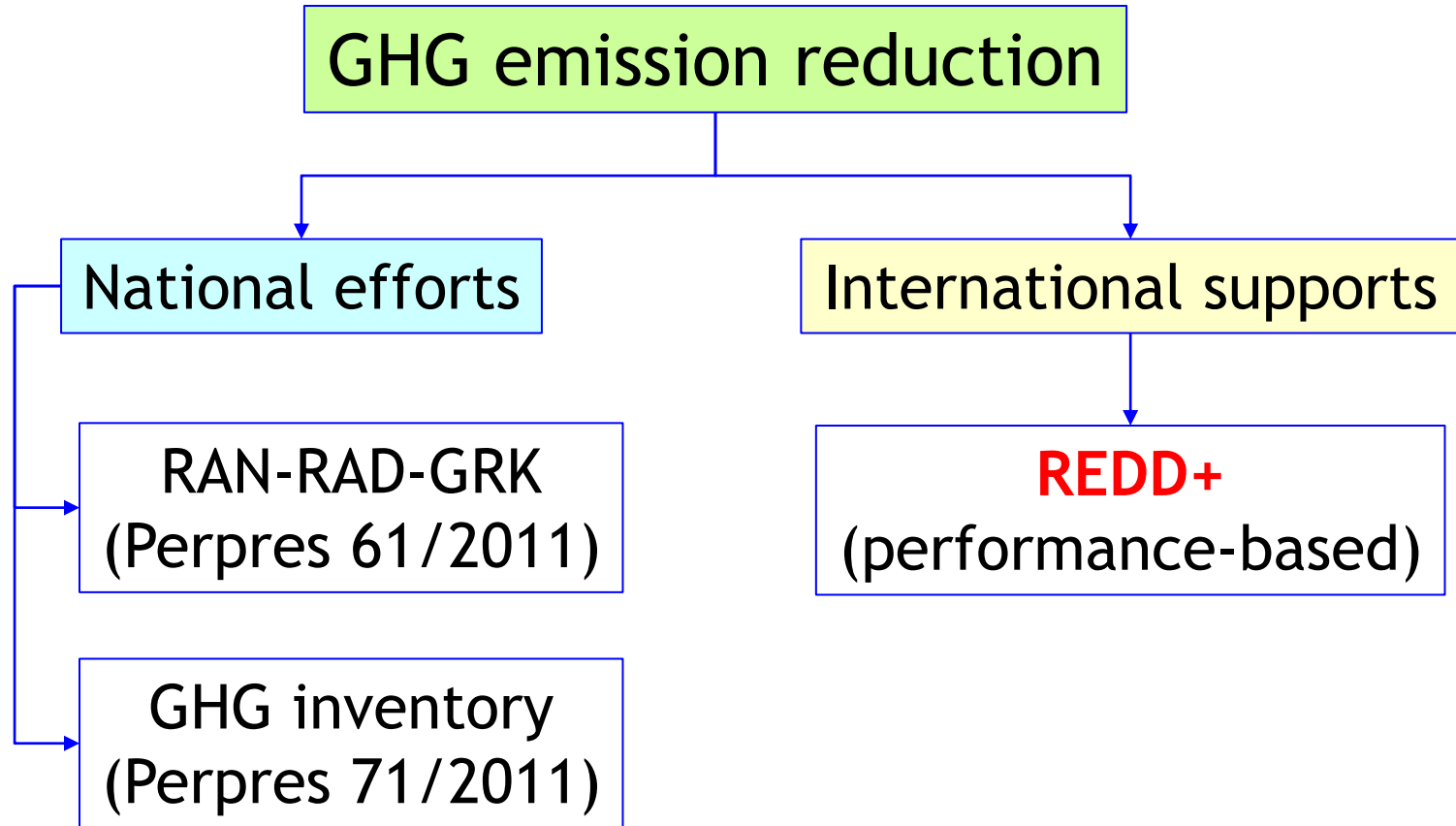
**BUR**  
(5 sectors)



**INDC**  
(all sectors for  
2021–2030)

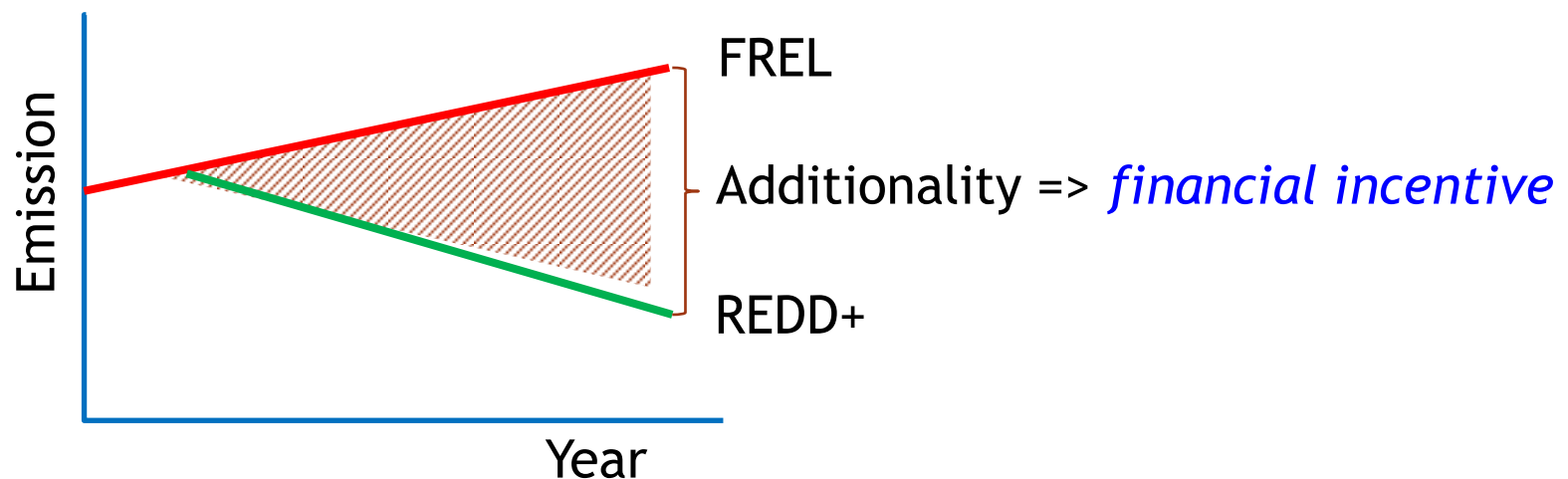
# Indonesia's commitment...(3)

- How to achieve the targets?



# Sub-national Contribution

- Complementary **mitigation actions**:
  - Formulate and implement **RAD-GRK** to support RAN-GRK to reduce GHG emission from **land-based sectors**
  - Formulate a **sub-national FREL** to achieve the target of national FREL and implement appropriate mitigation actions from **forestry sectors** → involve in the **REDD+** mechanism



# Sub-national contribution...(2)

- A challenge for South Sumatra: **high emission level**

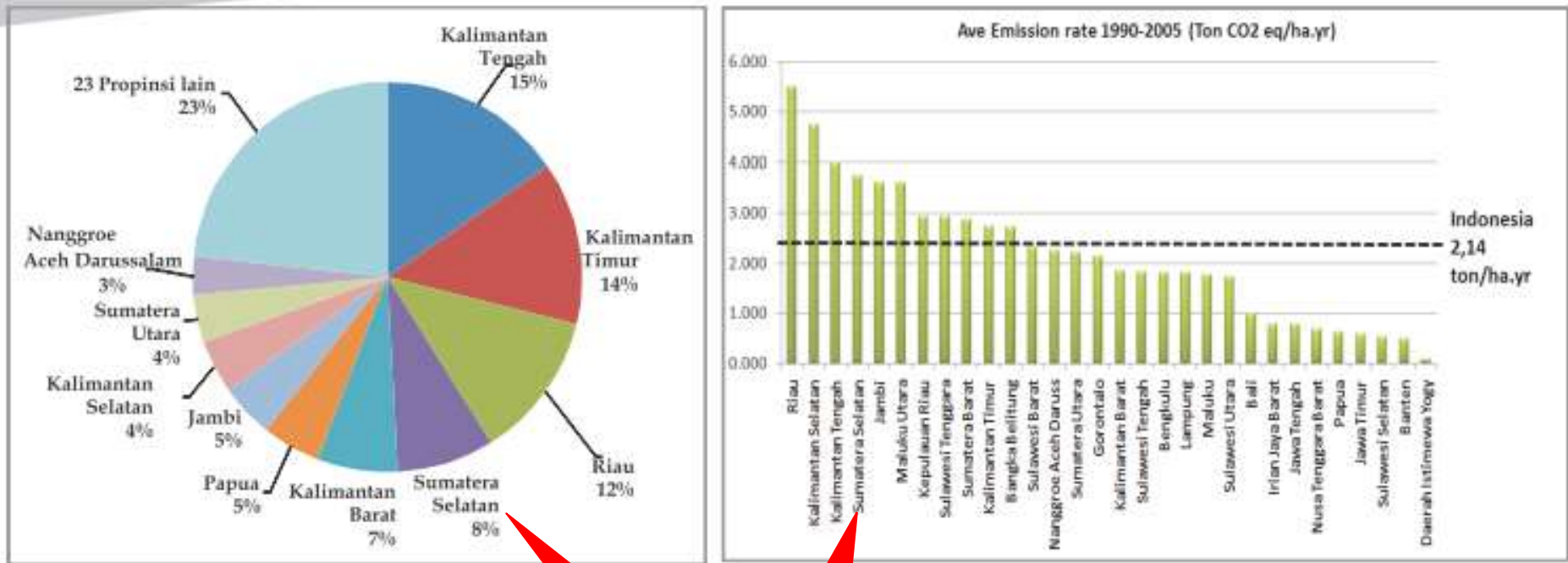


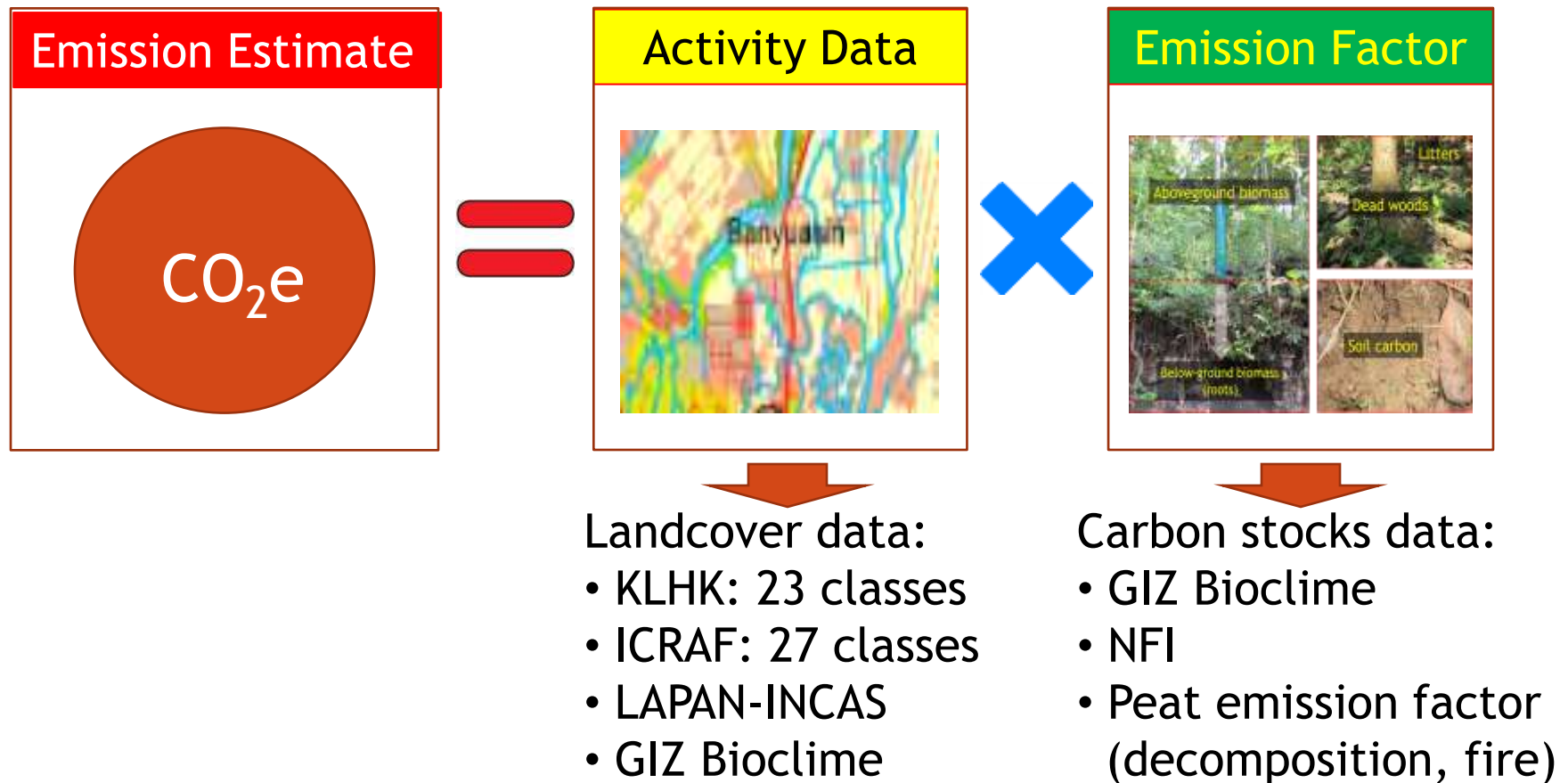
Figure 4. Contribution to national emissions (left panel) and average emission rate 1990-2005 of all provinces in Indonesia (right panel)

Source: ICRAF's ALLREDDI

South Sumatra

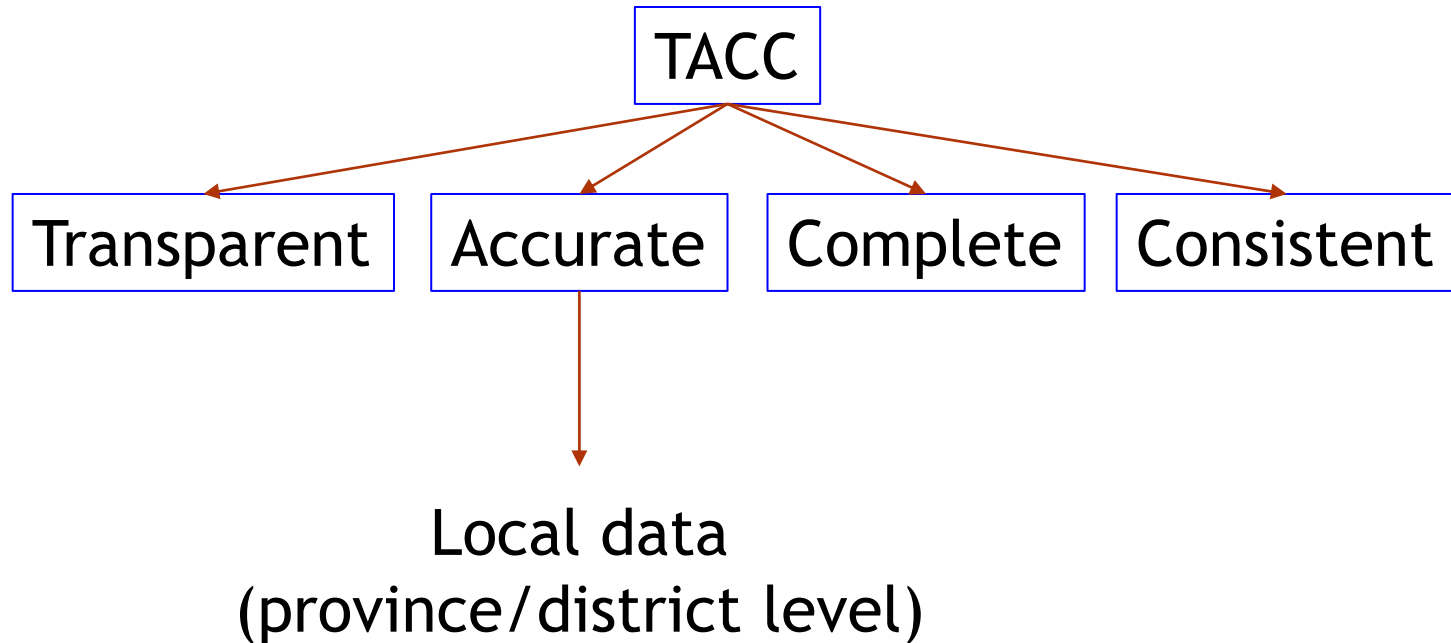
# Needs for Collaboration

- RAD-GRK & sub-national FREL require ‘activity data’ and ‘emission factor’:



# Needs for collaboration...(2)

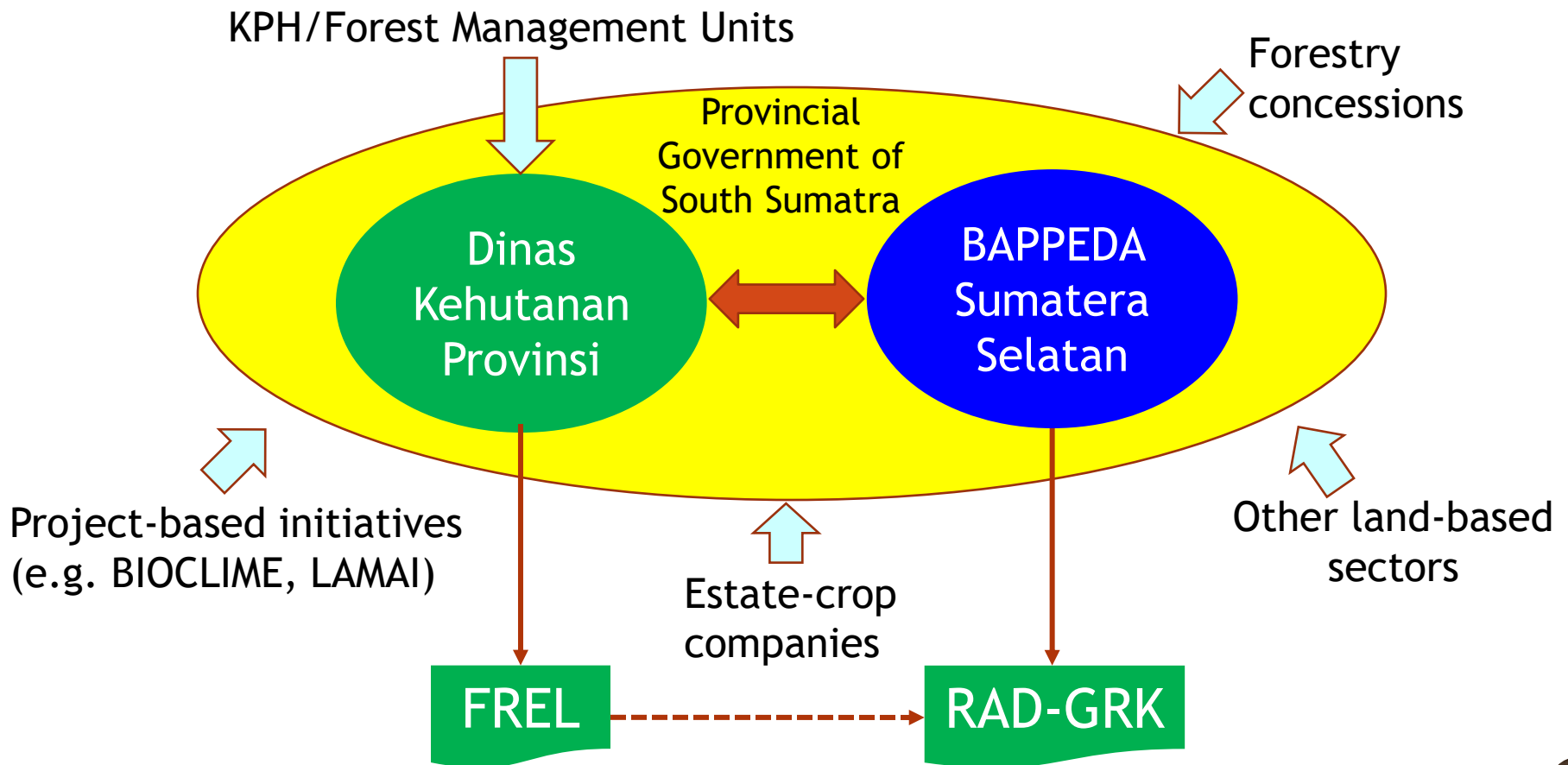
- The **principle** of reporting emission level:





# Needs for collaboration...(3)

- RAD-GRK & sub-national FREL require appropriate mitigation action plans:



**Thank you**

**Terima kasih**