

Energy Sector

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Previous Meetings (WGIA 4)

- ▶ IPCC Guidelines give two approaches
 - ▶ Reference Approach (based on energy balance) can give national estimates or used to check sectoral approach. Only for CO₂.
 - ▶ Sectoral Approach (based on consumption by sector) the best approach for all GHG
- ▶ Energy balances can be used but efforts should be made to find sectoral data

Energy Data Availability

	Energy Balance - Reference Approach	Sectoral Consumption - Sectoral Approach	Years Availability
Cambodia	Yes	No	2000
Vietnam	Not every year	Yes	1994 -2000
Mongolia	Yes (No split by coal type)	Yes	1990-2006
	(Additional methods for biomass consumption)		
Korea	Yes (Difference between national and IEA)	Yes	1990-2006
Japan	Yes	Yes (CH ₄ and N ₂ O based on technology)	1990-2007
Thailand	There is a fuel balance but yet to be applied to the inventory	Yes	2000-2005

Energy Balances in Asian Region

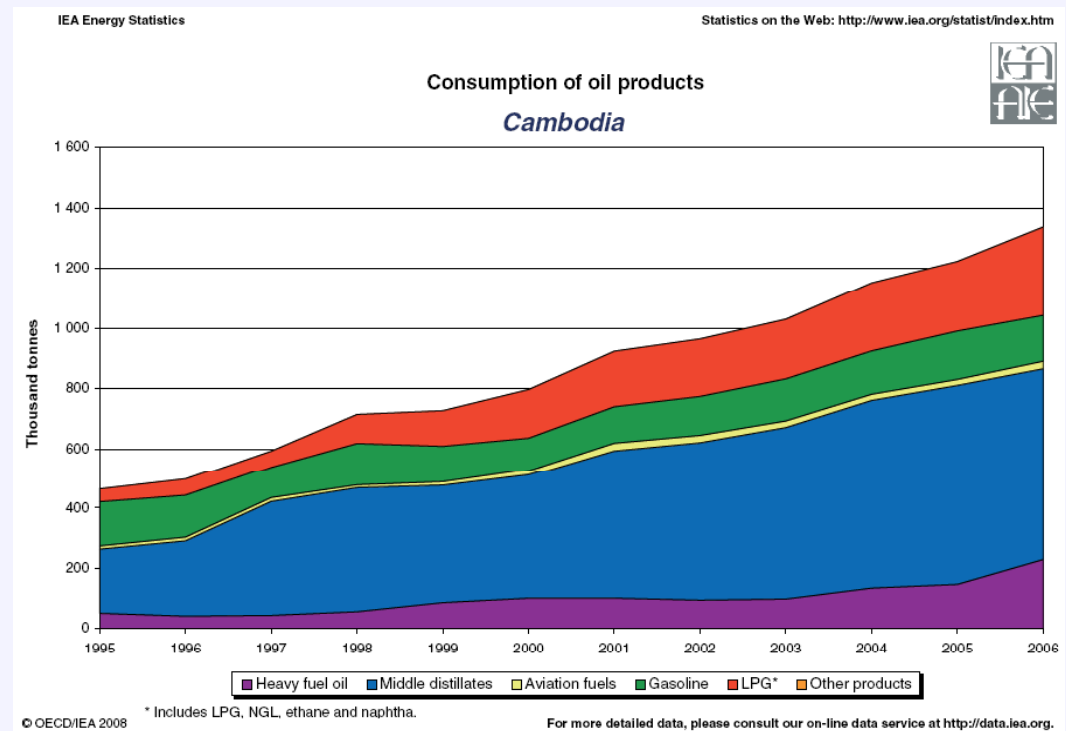
- ▶ 3 stages of development
 1. Limited data on balances (e.g. Cambodia)
 2. Some experience but not available annually (e.g. Vietnam)
 3. Balances annually (e.g. Mongolia and Korea)
- ▶ **All** can be improved

What to prioritise?

- Key energy statistics
 - **balances & detailed consumption**
- Countries need to decide their priorities – a suggestion:
 - Energy Balances first?
 - As Balances develop attention should switch to Detailed Statistics
 - Allows non-CO₂ estimates
 - Understanding of co-benefits
- Need to develop official data collection
 - Co-ordination and communication between stakeholders

Comparison

- ▶ Compare National data with international statistics, e.g. IEA, APEC



Co-Benefits

- ▶ Detailed Energy Statistics allow understanding of potential Co-Benefits
 - ▶ E.g. reduction of local air pollutants