



**Thailand's Experiences in
Preparation of Initial
National Communication**

Main Characteristics

- A synthesis report of various research works contributed by many people, particularly on inventory, mitigation, vulnerability and adaptation
- A series of internal review and workshops have been conducted throughout the period
- Key elements of the report are inventory and mitigation, vulnerability and adaptation, policies and measures, financial resources and technology transfer

1994

- Emissions in 1994 (used 1996 revised guidelines)
 - Gross CO₂ 241 Tg. (-sink 39 Tg); Net 202 Tg
 - Energy emitted more than one-half of CO₂ ; forest and land use emitted less than that of 1990
 - Methane 3.2 Tg. About 91 % from rice and livestock

- N_2O 56 Gg, mostly from manure and agricultural soils

- NO_x 287 Gg, mainly from energy

- CO 555 Gg. mainly from land use change and forestry and agriculture

- NMVOC 2.5 Tg, mainly from energy

**Total 1994 net emissions
= 286 Tg CO_2 equivalent**

Experiences Gained

- Data and Methodology Aspect
 - Information and data on climate change accumulated
 - Experts practiced new methodologies on climate change issues.
- National Capacities
 - Capacities of large numbers of scientists and social scientists were enhanced.
 - Related officers were trained through workshops and seminars.



- Regional Cooperation

- Exchange in information and experiences
- Cooperation in research and development
- Enhancement of regional or subregional capacities.

Problems and Limitations



- Data and Methodology
 - Information system and database
 - Activity data, local emission factors and methodologies appropriate to national circumstances.
 - Appropriate down-scaling method for national climate scenarios
 - Reliable socio-economic scenarios

Problems and Limitations

- Capacity strengthening
 - Experts with capacity built were difficult to maintain
 - Trained officials were difficult to maintain
 - Experiences in Vulnerability and Adaptation are highly limited

Beyond the Initial National Communication

- **Data and Technical Issues**
 - Information system and database should be established
 - Activity data, local emission factors and methodologies appropriate to national circumstances should be improved.
 - Appropriate down-scaling method for national climate scenarios should be enhanced
 - Reliable socio-economic scenarios are needed

Beyond the Initial National Communication

- **Financial and Technical Support**
 - Increase bilateral and multi-lateral programmes
 - More fund supported from Annex I countries
- **Regional networking**
 - Establish regional network on climate change