



UNEP- Ongoing Climate Change Capacity Building Activities for Industry in Asia

Peter Repinski

*United Nations Environment Programme (UNEP)
Division Technology Industry and Economics (DTIE)*

Repinski@un.org



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Presentation overview

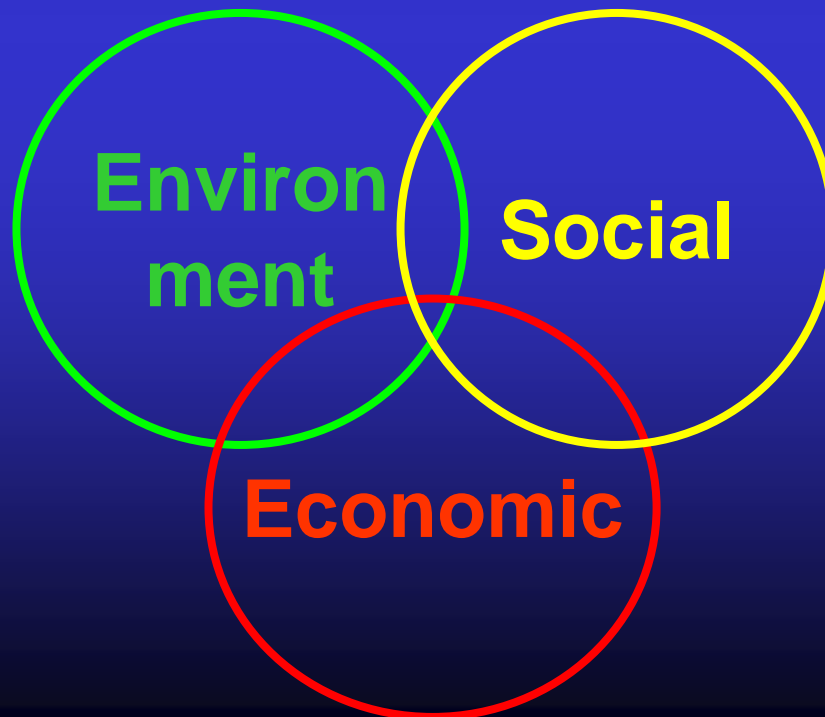
- UNEP (United Nations Environment Programme)
- Climate Change Capacity Building activities in Asia – Involving Industry
- A case study: The GERIAP project (Greenhouse Emission Reduction from Industry in Asia and the Pacific)





UNEP's mission

To protect the environment, natural resources, and human health, and to work for sustainable development





UNEP at a glance

- Resources:
 - 650 staff
 - Annual budget US\$ 250 million
- Location:
 - Headquarters in Nairobi
 - Regional offices and centers
 - Divisions, including DTIE
- Regional Office for Asia and the Pacific (ROAP):
 - Bangkok
 - Covers 54 countries





UNEP DTIE activities

Division of Technology, Industry and Economics

- Agriculture
- Business
- Chemicals
- Cleaner Production
- Consumption
- Disaster Response
- Economics
- Energy
- Urban
- Finance
- Industry sectors
- Ozone protection
- Pollution
- Tourism
- Trade
- Transport
- Waste
- Water

Climate Change a top priority!





UNEP (DTIE) Energy and Climate Change Activities in Asia – Different areas

1. Energy Efficiency

2. Energy Finance

3. Transport

4. Energy Policy

5. Renewable Energy





UNEP Projects in the region – Some examples

- CDM Capacity Development Project (Cambodia, Philippines, Vietnam)
- CREED - China Rural Enterprise Development
- GNESD – Global Network on Energy for Sustainable Development
- India Solar Loan Programme
- Developing Financial Intermediation Mechanisms for Energy Efficiency Projects (China, India)
- Lending for CP/Energy efficiency
- GERIAP – Greenhouse Gas Emission Reduction from Industry in Asia and the Pacific.

***Funding:** Global Environment Facility, Danida, Sida, UN Foundation etc.*





Role of the Asia Pacific region

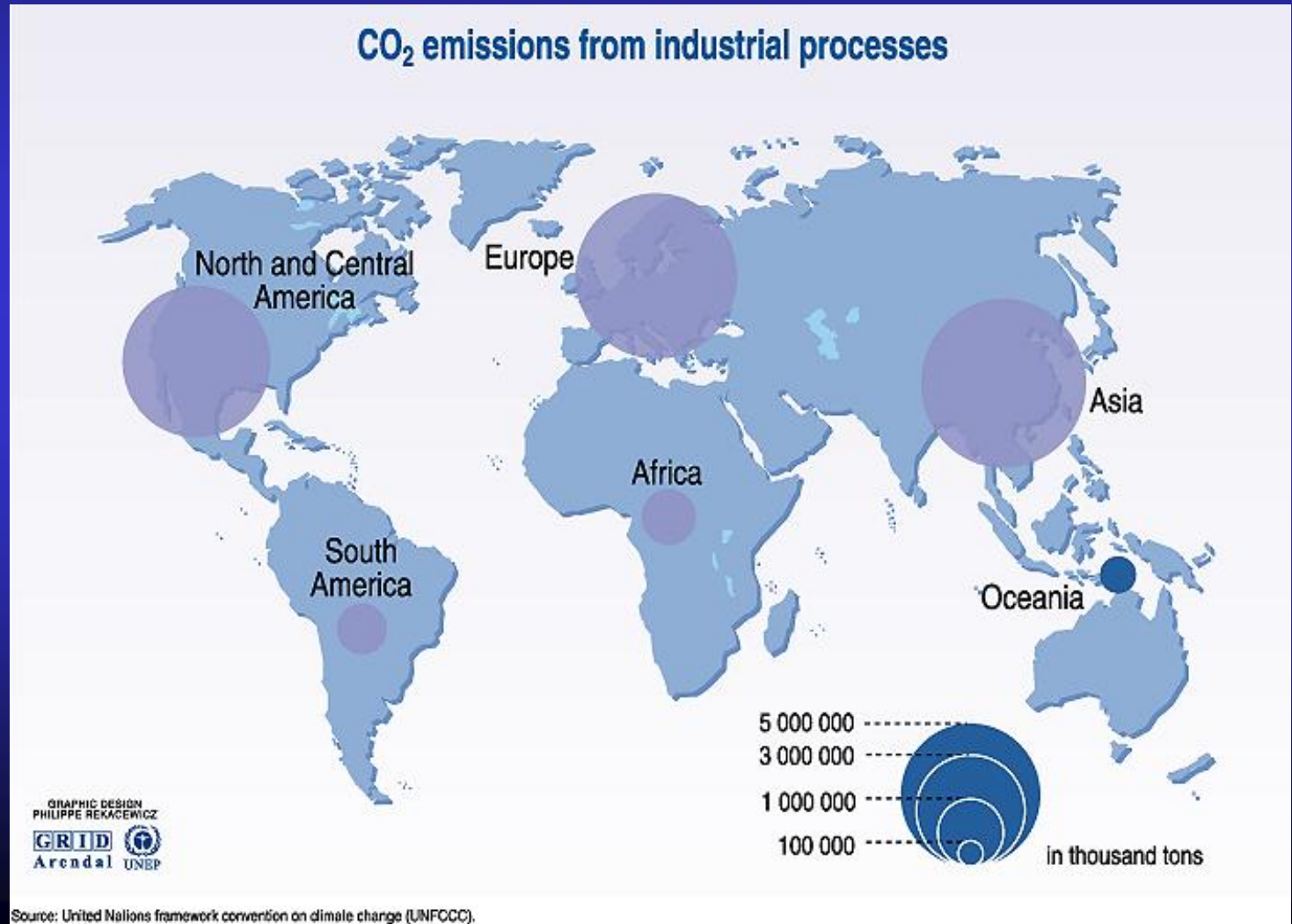
- 3.2 out of 6 billion people
- 70 % of the worlds poor
- 40% of the global economy - and growing!
- Biggest growth in future emissions
- Poorer countries more vulnerable to climate change effects
- Countries often lack means to address climate change





CO₂ emissions from industry high in Asia

although one of the lowest per capita





Some challenges for Asian business

- Conditions for business varies between sub regions, countries, sectors, companies...
- Cultural, language and political differences
- Most companies are Small and Medium Sized (SME's) Companies





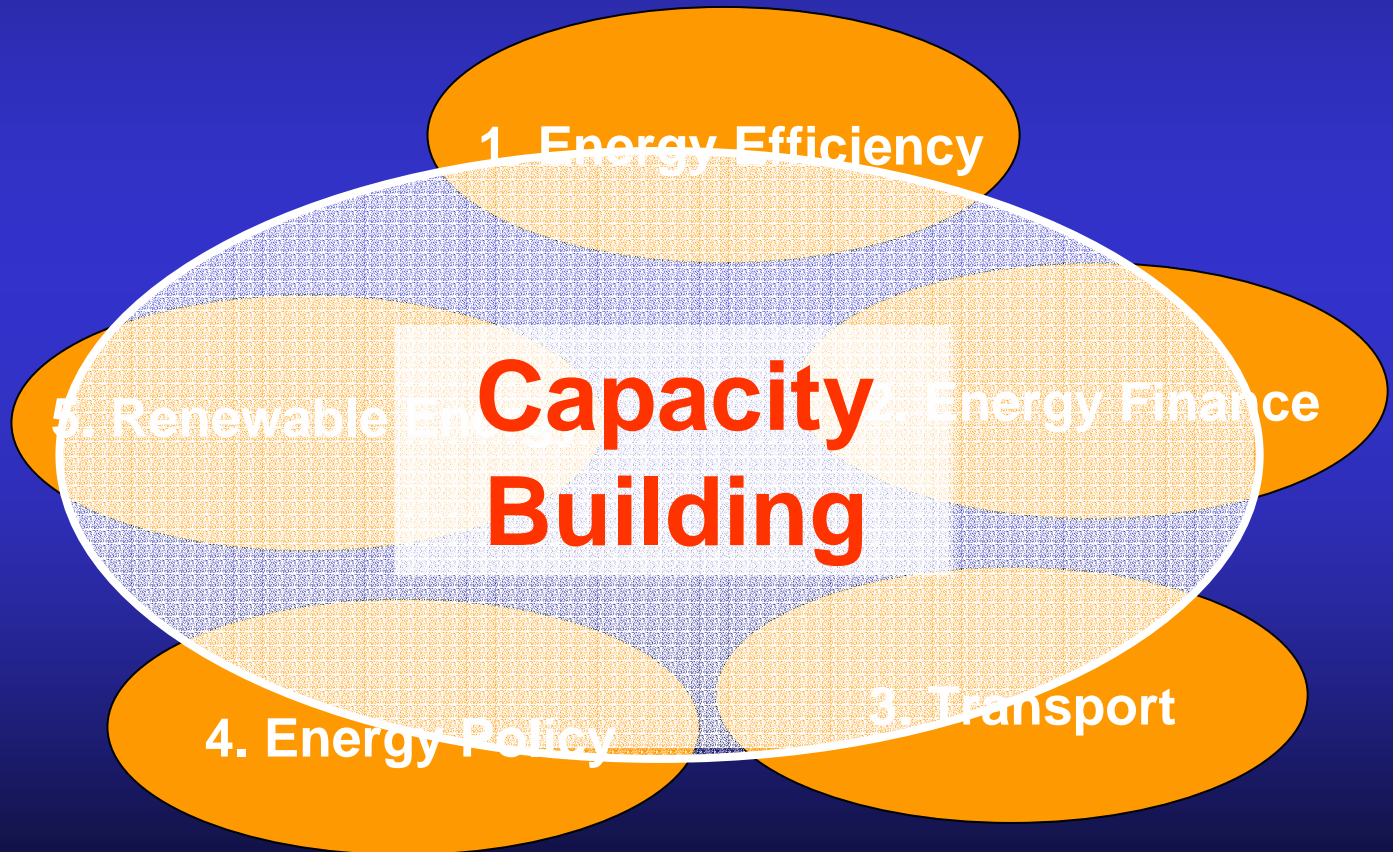
Capacity Building

- Industry – Main GHG emitter and key player in achieving reductions
- Need to start with hands on Climate Change Capacity Building in industry!
- Link with national policies





Capacity Building - Key component within UNEP activities





Linking profitability with Capacity Building

Business key

concern:

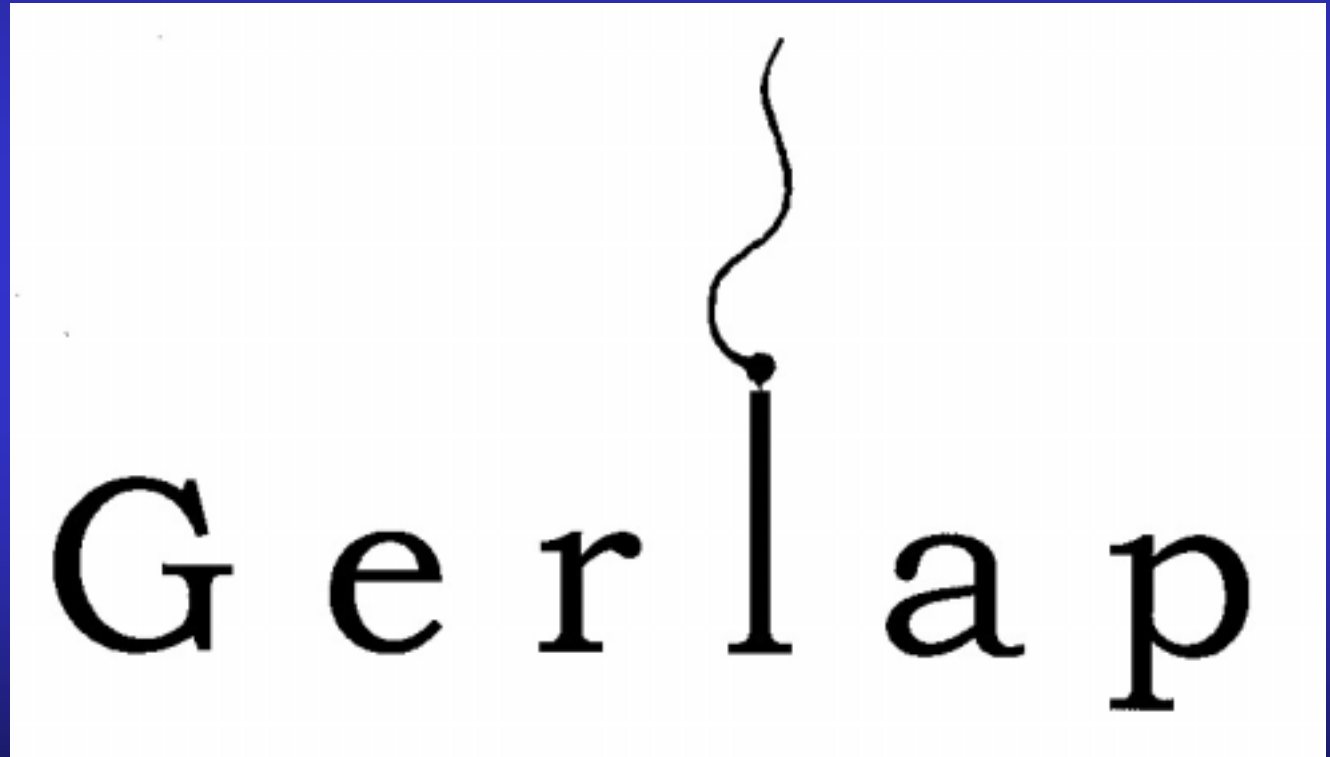
PROFITABILITY

We need to
sell our message as
a business proposal.
... A Good One!





A Case Study





GERIAP overview

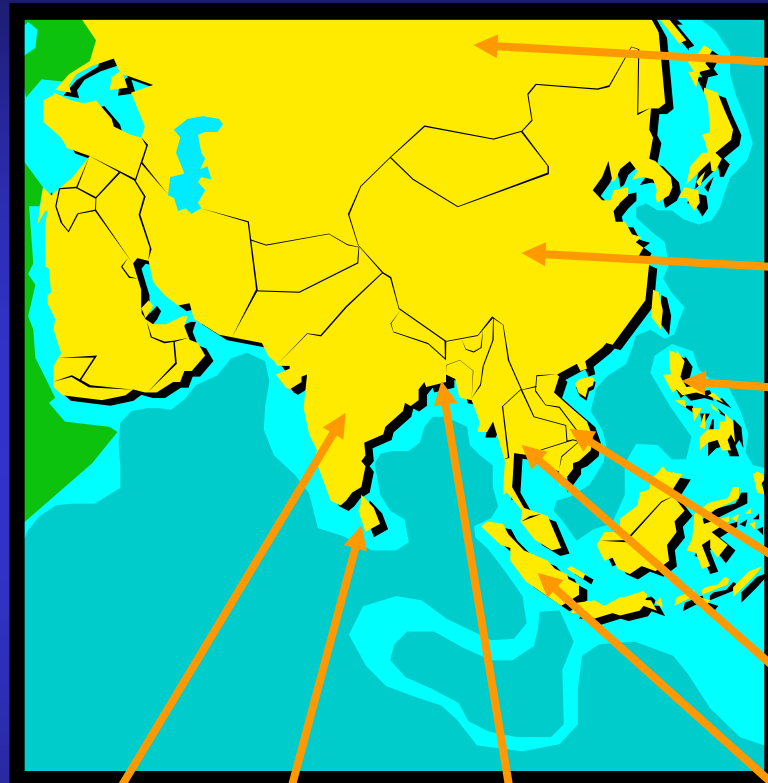
Greenhouse Emission Reduction from Industry in Asia and the Pacific

- **Objective:** Encourage industry to reduce greenhouse gas emissions and costs by improving its energy efficiency
- **Duration:** 3+ years until 2005
- **Budget:** US\$ 2.3 million
- **Project partners:**
 - UNEP (secretariat)
 - Swedish International Development Cooperation Agency (SIDA - funding)
 - 9 National Focal Points
 - 45 businesses





9 GERIAP countries



Mongolia

China

Philippines

Vietnam

Thailand

India

Bangladesh

Sri Lanka

Indonesia





4 GERIAP sectors

selected on energy use

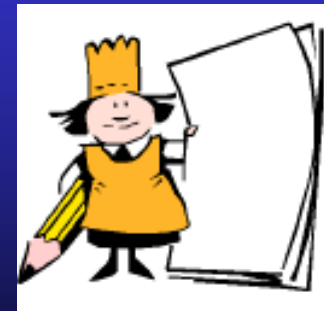


Iron & Steel

Cement & Lime



Chemicals
(fertilizer,
plastics, etc.)



Pulp & Paper



Based on Cleaner Production & Energy Efficiency (CP-EE)

(pollution prevention, waste minimization)

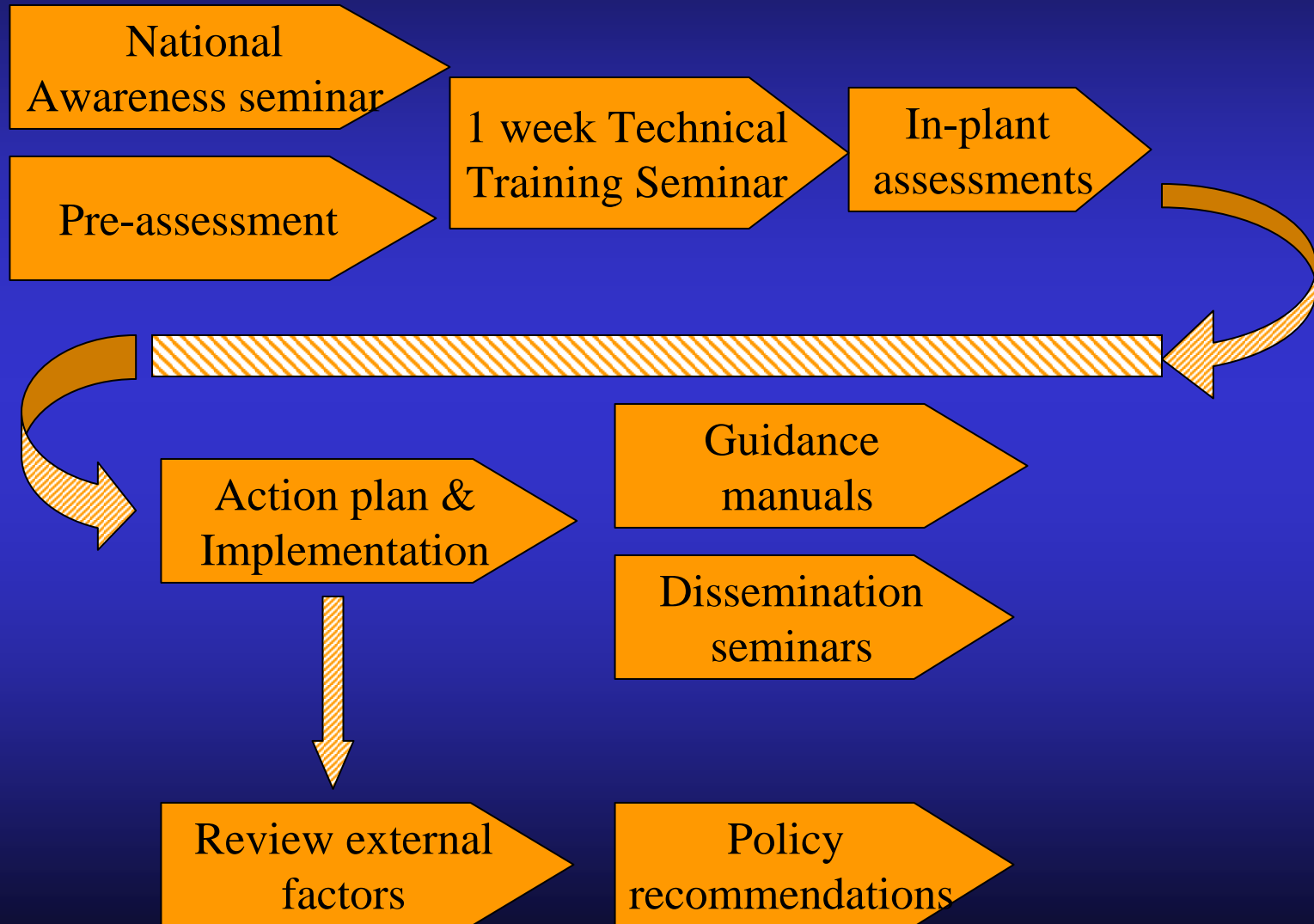
CP: *“The continuous application of an integrated preventive environmental strategy to processes, products and services to increase co-efficiency and reduce risks to humans and the environment”*

Simple idea: Increased production efficiency
= less waste and more revenue



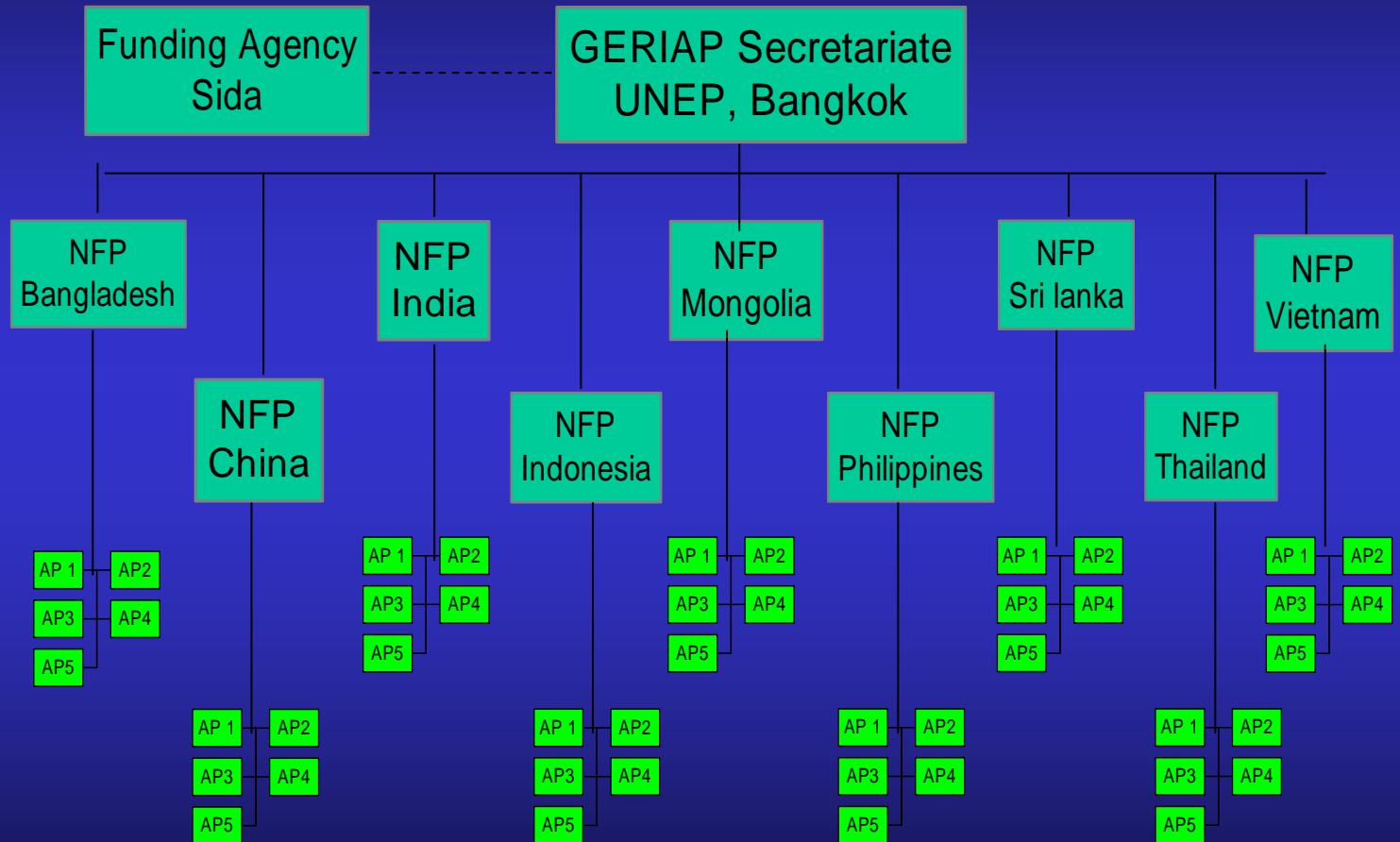


GERIAP steps





GERIAP structure





GERIAP outputs

- Capacity building:
 - Trained people
 - CP-EE Guidelines
 - Proven CP-EE methodology
 - CP-EE Network in Asia
- Greenhouse gas reductions & cost savings by participating companies
- Policy recommendations to overcome barriers for industry to address climate change issues





Potential benefits for participating companies

- Free training in CP-EE audit methodologies
- Free CP-EE audit at industry site
- Financial savings
- Energy / greenhouse gas emission reductions
- Improved reputation and relationships
- Access to international network and information
- Preparation for climate change risks and opportunities (including Kyoto Protocol / CDM!
- look into financing potential for possible eligible CDM projects)
- Input into guidelines and policies





What does it take?

- Management commitment
- Resources: staff time
- Access to facilities
- Sharing of information with CP-EE team
- Willingness to consider recommendations by CP-EE team





Summary GERIAP

The GERIAP project :

- Encourages industry to reduce emissions *and costs* by improving its energy efficiency
- Contributes to the insight of how to effectively build CP/EE capacity in industry – acknowledging different company needs
- Builds a regional network among participants
- Assists Asia Pacific region to address the climate change challenge





Key Messages

- UNEP – Several ongoing capacity building Climate Change projects in Asia
- Business plays a key role in reducing Greenhouse Gas Emissions
- Capacity Building can be a successful tool if considering business profitability and needs





For More Information

- <http://www.uneptie.org/energy>
- <http://www.roap.unep.org>
- <http://www.geriap.org>

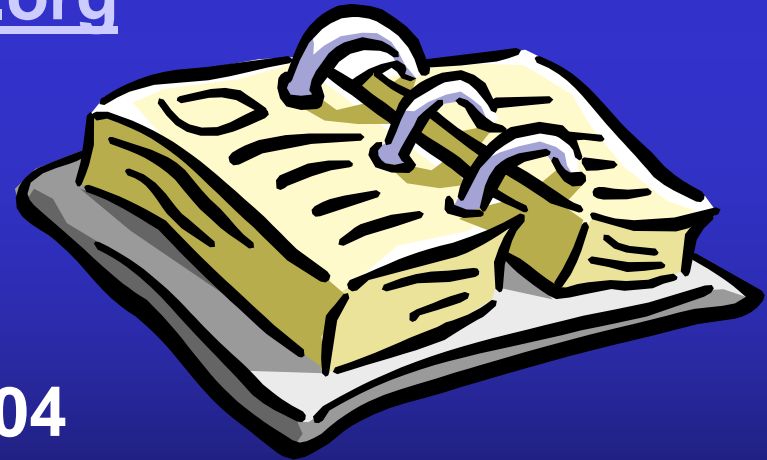
Peter Repinski

UNEP

Tel: +66-2-288-1604

Fax: +66-2-280-3829

E-mail: Repinski@un.org





THANK YOU!

