



Climate Change Capacity Building Needs for Asian Business



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Presentation Overview

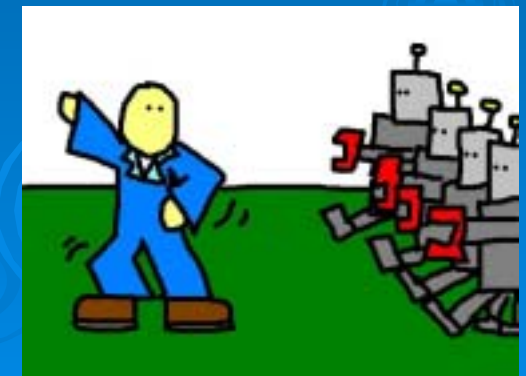
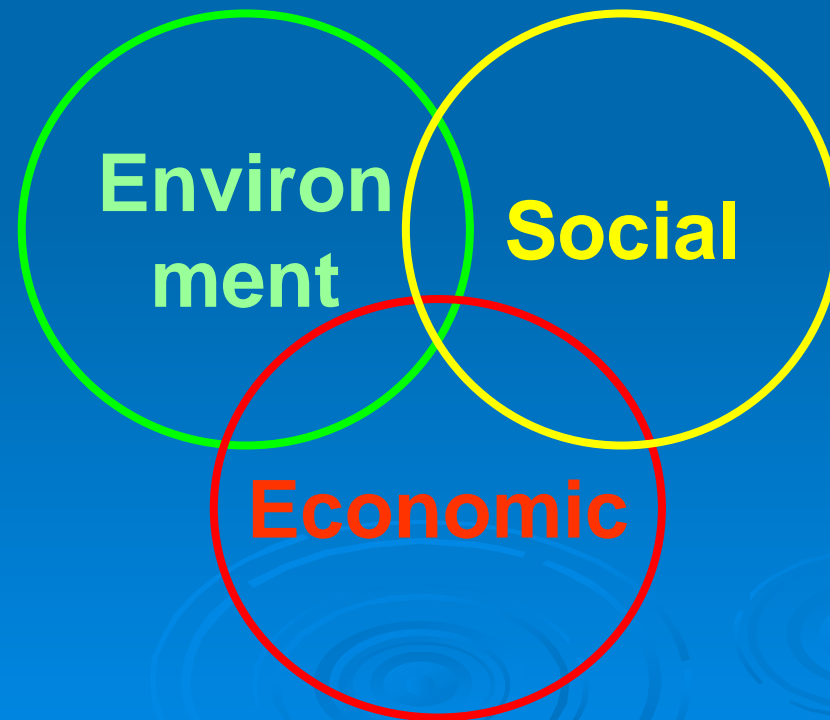
- UNEP (United Nations Environment Programme)
- Business and Climate Change in Asia Pacific
- GRIAP - Addressing barriers for effective implementation





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
- NOT a funding Agency!

Location:

- Headquarters in Nairobi
- Regional offices and centers
- Divisions, including DTIE

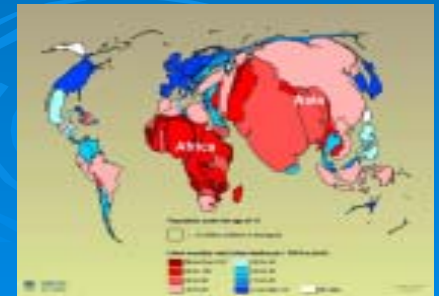
Regional Office, Asia and the Pacific (ROAP):

- Bangkok
- Covers 54 countries



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 GHG emissions
- Countries often lack means to address climate change
- Poorer countries more vulnerable to climate change effects



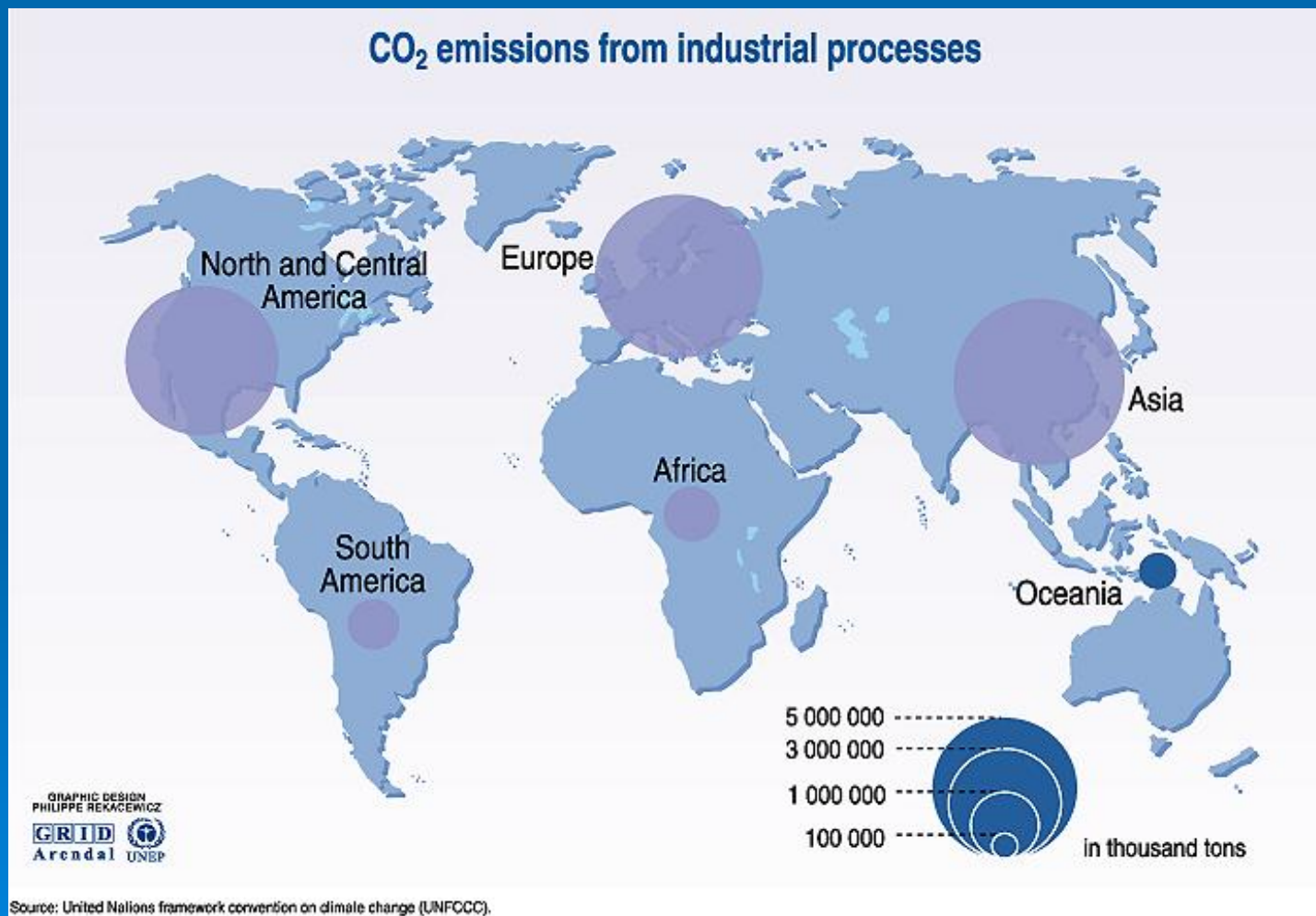


Industry - A Key Player

- Asia displays the largest trade surplus in the world and 55% of TNC are present in the region
- Approximately 6.7 million SME's and more than 450 million STE's in the region!
- Annual industry sector growth 7-9% over last 25 years
- 80 % of China's export is manufactured goods

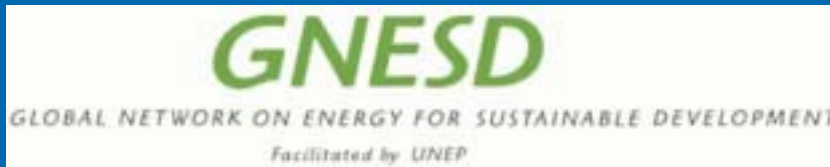


The backside...





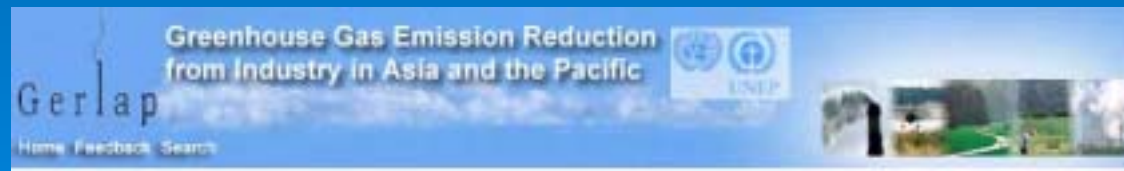
UNEP Climate Change Projects



CD4CDM
Capacity Development for the CDM



China Rural Energy Enterprise Development
CREED 中国农村能源企业发展项目





Capacity Building Challenges

- Capacity Building is not an end – it's a tool!
- Need to identify key barriers to implementation (and how to address these)
- Need to ensure that Capacity Building is sustained (and spread)
- **Need to learn from each other!**



GERIAP Overview

Greenhouse Gas Emission Reduction from Industry in
Asia Pacific

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

The logo for Gerlap, featuring the word "Gerlap" in a serif font with a stylized vertical line above the letter "r".

Gerlap



Cleaner Production

(Pollution prevention, Waste minimization)

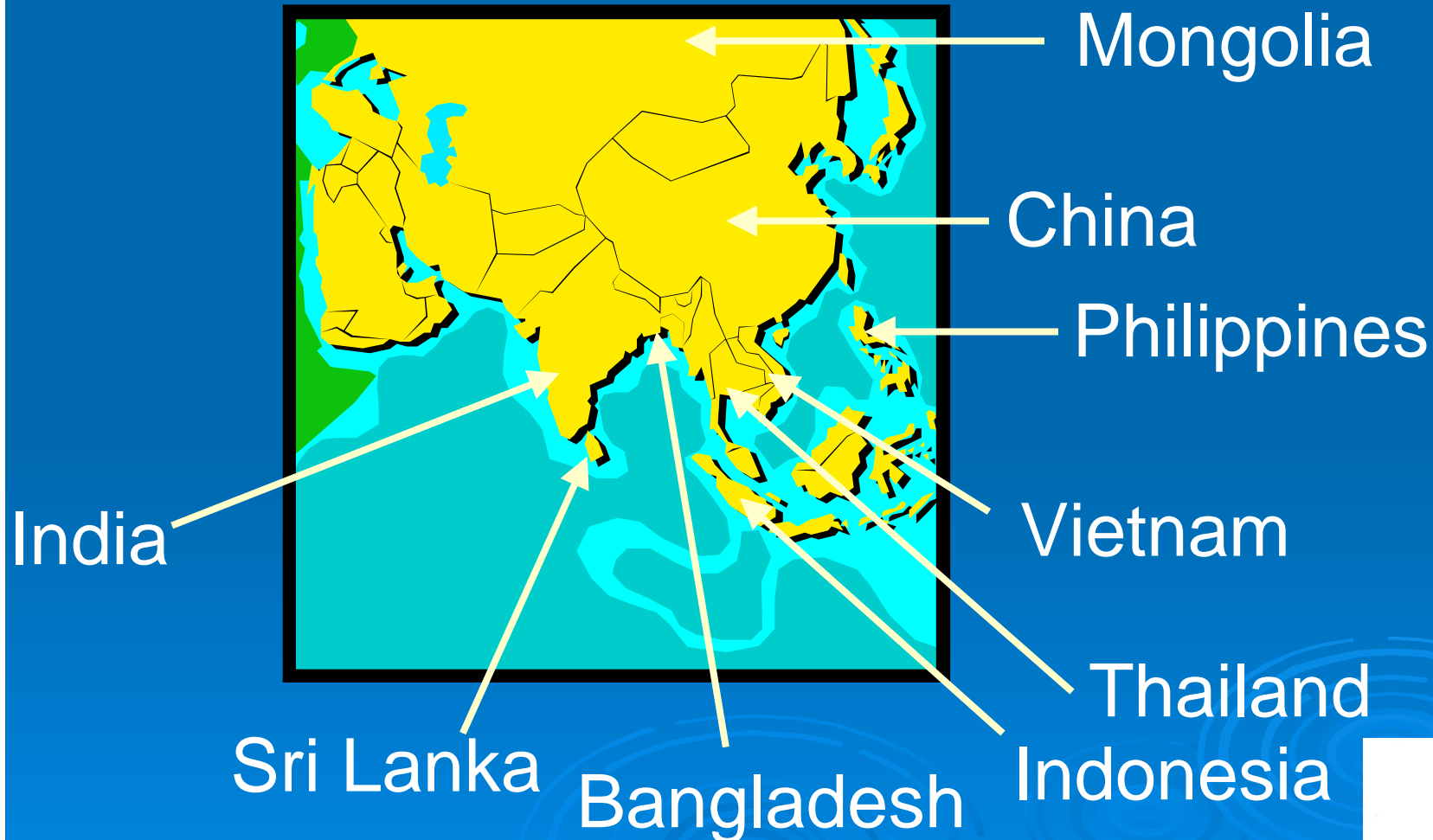
CP: *“The continuous application of an integrated preventive environmental strategy to processes, products and services to increase co-efficiency and reduce risks to humans and the environment”*

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





GERIAP Countries





GERIAP Industry Sectors

Selected on energy use

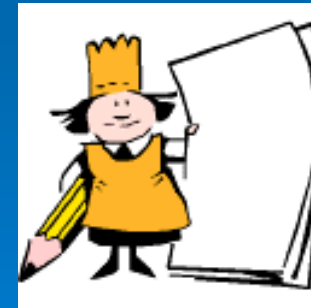


Iron & Steel
(incl. smelting,
metal processing)

Cement & Lime
(incl. bricks, ceramics)



Chemicals
(fertilizer, paint,
plastics, distilleries)



**Pulp &
Paper**

Gerlap



GERIAP Steps

1. Capacity Building

- Develop training material
- Training of Trainers Workshop
- National Awareness Seminars
- Technical Training Seminars
- Cross learning between NFPs

2. Practical Demonstration

- Preparation
- In-plant assessments
- Workshop with NFPs for 2004
- Implement action plan and monitor

2003

3. Other Factors Review

- Review other factors
- Review awareness at plants
- Regional stakeholder workshop
- Report findings/recommendations

2004

4. Reporting & Dissemination

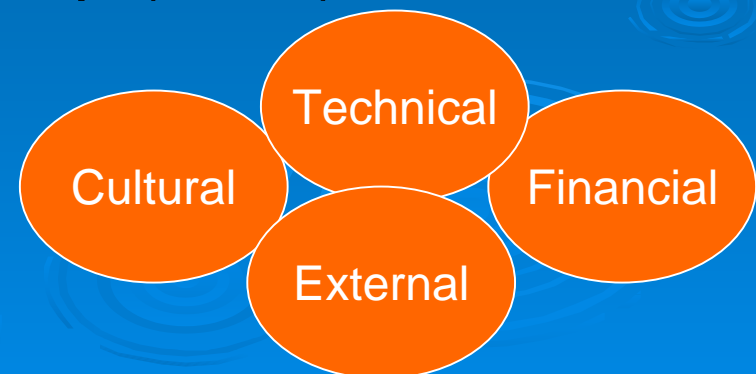
- Develop CP-EE Toolkit
- Dissemination Seminars
- Project evaluation

2005



Other Factor's review

- Why do some companies improve their energy efficiency and others don't?
- What can be done to overcome the barriers?
- **Approach:** Ongoing Interviews of Companies and External Stakeholders (business, policy, finance, NGO's..)
- Regional Stakeholder workshop (2005)





Examples of identified barriers

- Lack of ownership and awareness – Management not on board and key departments not involved
- Companies focus is production – Energy efficiency not part of the business strategy
- Actions are considered costly – Low cost options not understood
- Low enforcement of environmental legislation – Nobody checks
- No targets on energy usage/GHG emissions
- Wrong capacity building messenger - Must be known, understood and trusted
- Capacity building activities not tailor made – Wrong format or not focusing on key needs



The Capacity Building needs
to respond to these barriers
in order to become more
successful!



Other Factor's review benefits

- Implemented energy efficiency options and how to sustain the program!
- Effective CP-EE toolkit
- Broad network of key stakeholders
- Good base for policy recommendations
- Clear focus for potential future projects
- Share our experiences!



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

- Business plays a key role in reducing Greenhouse Gas Emissions in Asia Pacific
- Effective Capacity Building needs a good understanding of how to address barriers to implementation!



For more information

www.geriap.org

www.uneptie.org

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