

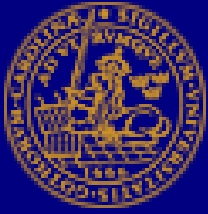
# **The International Institute for Industrial Environmental Economics (IIIEE)**

**A new RAPIDC partner**

**Internationella Miljöinstitutet**

Dr Philip Peck  
Delhi RAPIDC Network Meeting  
Delhi, India 11-15 October 2005





LUNDS UNIVERSITET

## Lund University

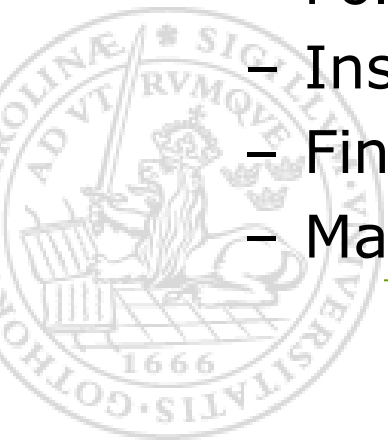
- Founded in 1666
- Scandinavia's largest university
- 6 000 employees
- 41 000 students (27 000 full-time)
- Multitude of faculties
- **IIIEE = a small institution in a large University**



iiiee

# Involvement in RAPIDC

- Just starting!
- I speak on behalf of others at “the Institute” – those working with **“hardware issues”**
  - Cleaner & decentralised technologies
  - Pollution mitigation technologies
  - Clean, secure, decentralised & renewable energy sources & systems
- And those working with **“software issues”**
  - Policies
  - Institutions
  - Financing
  - Management



# IIIEE ACTIVITIES within RAPIDC



# Enhance Capacity in developing Emission Scenarios

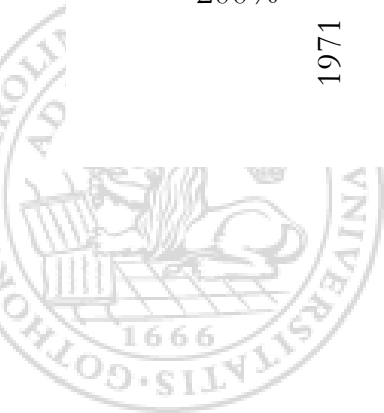
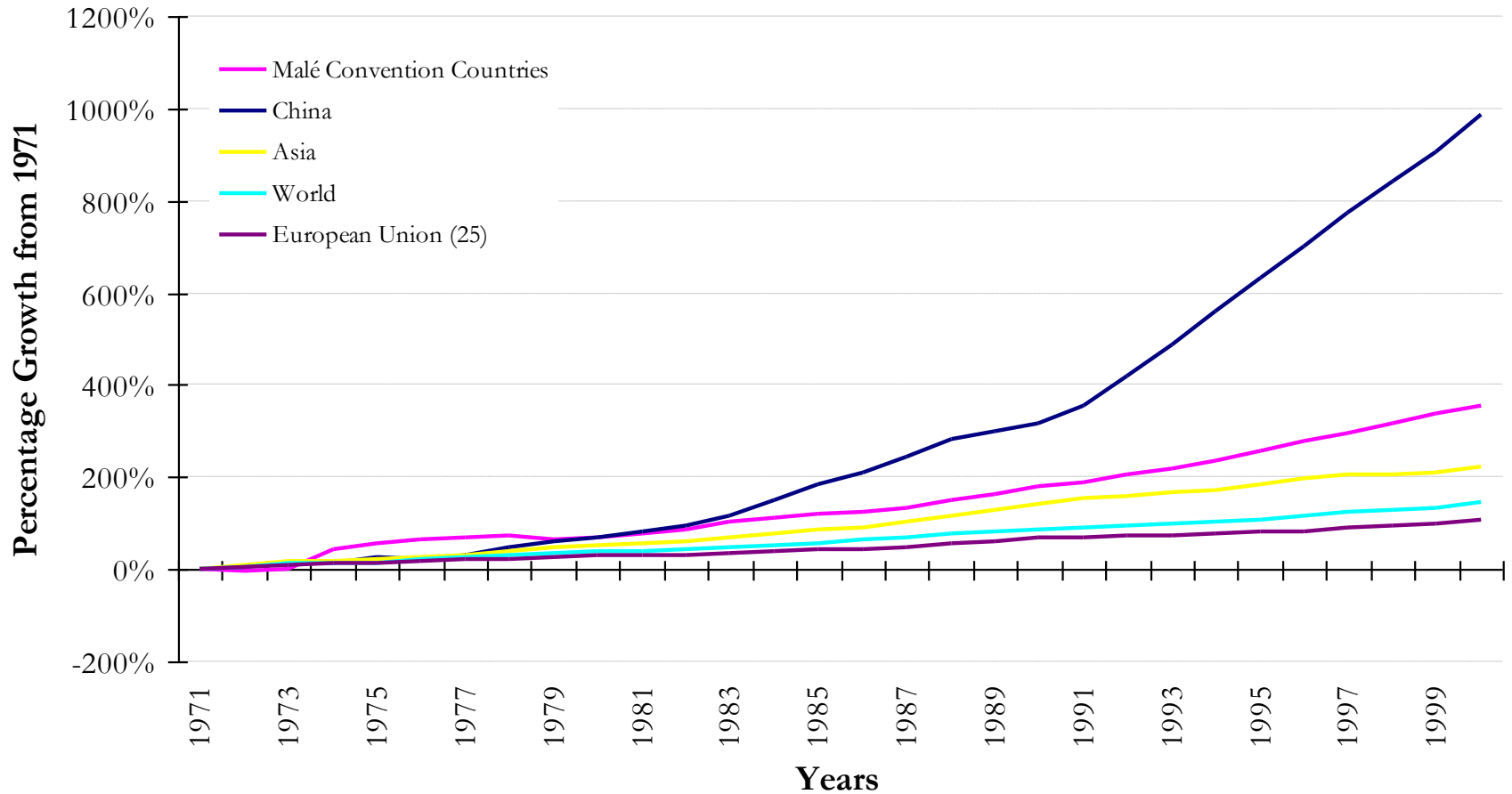
Produce a manual for the development of pollution scenarios

- A “why”, “what”, “how” manual
- To link to emissions inventory
- Workshops
- Produced in iterations (workshop milestones)
- Integration of existing approaches (? Rains Asia, Algas, etc. ?)
- Test cases envisaged



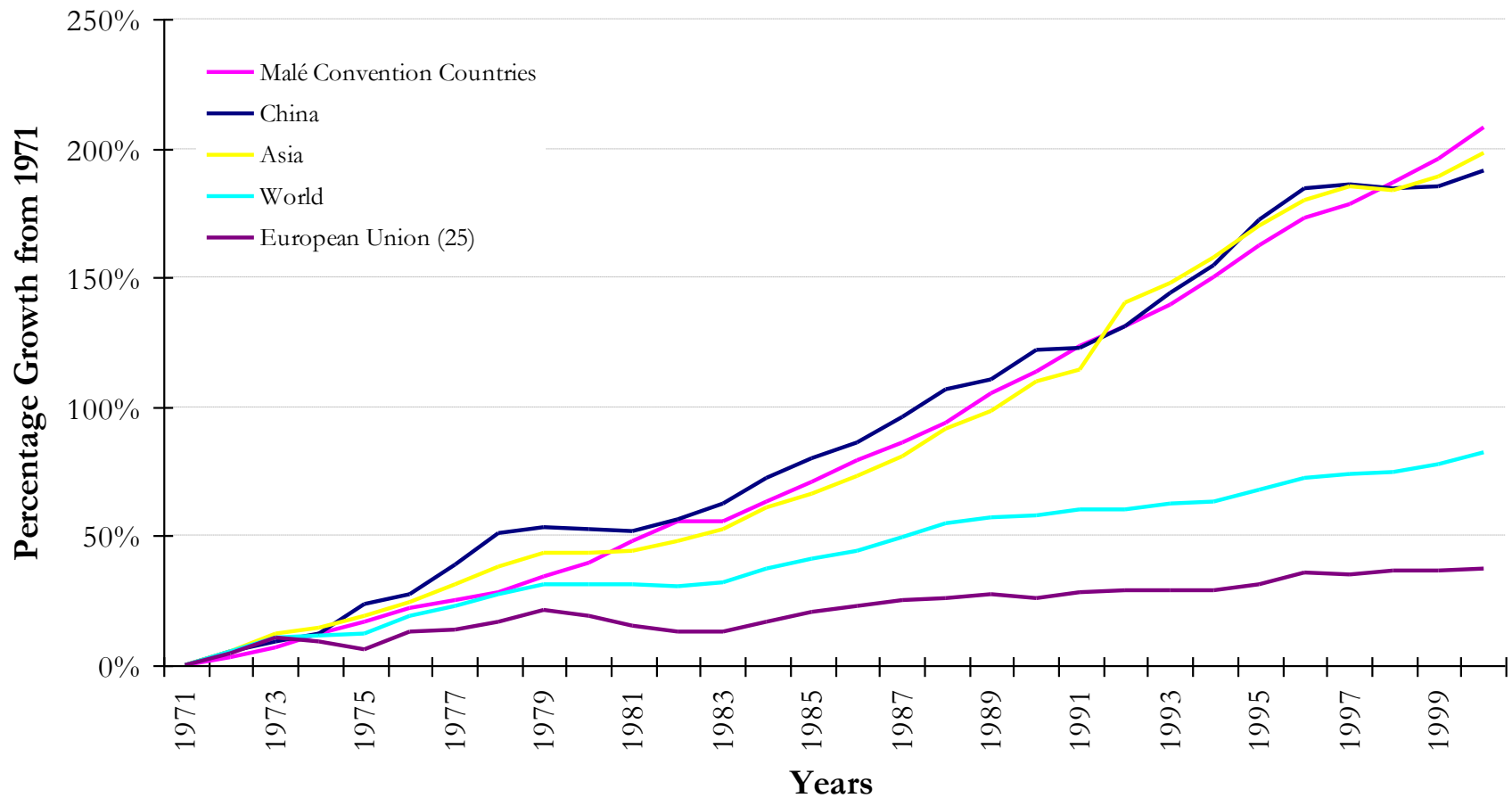
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## GDP, 1971 - 2000



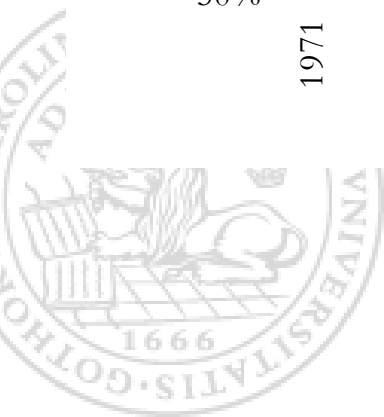
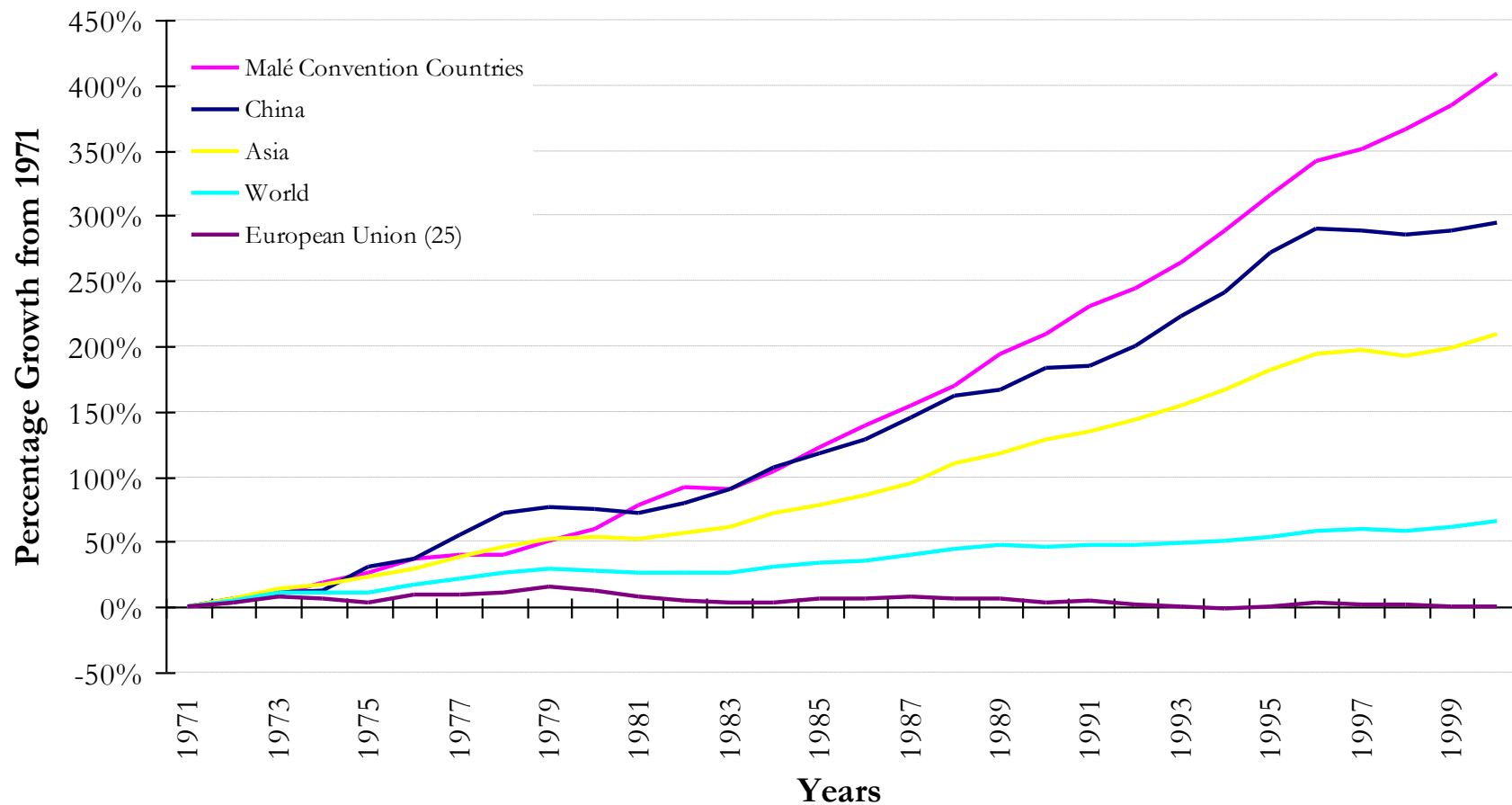
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## Energy Use, 1971 - 2000



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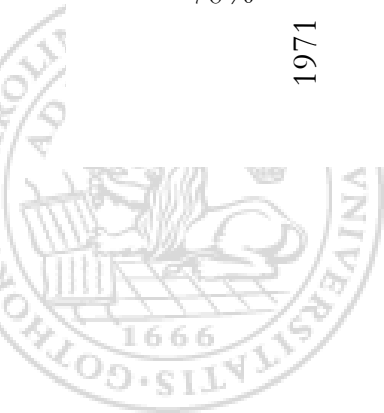
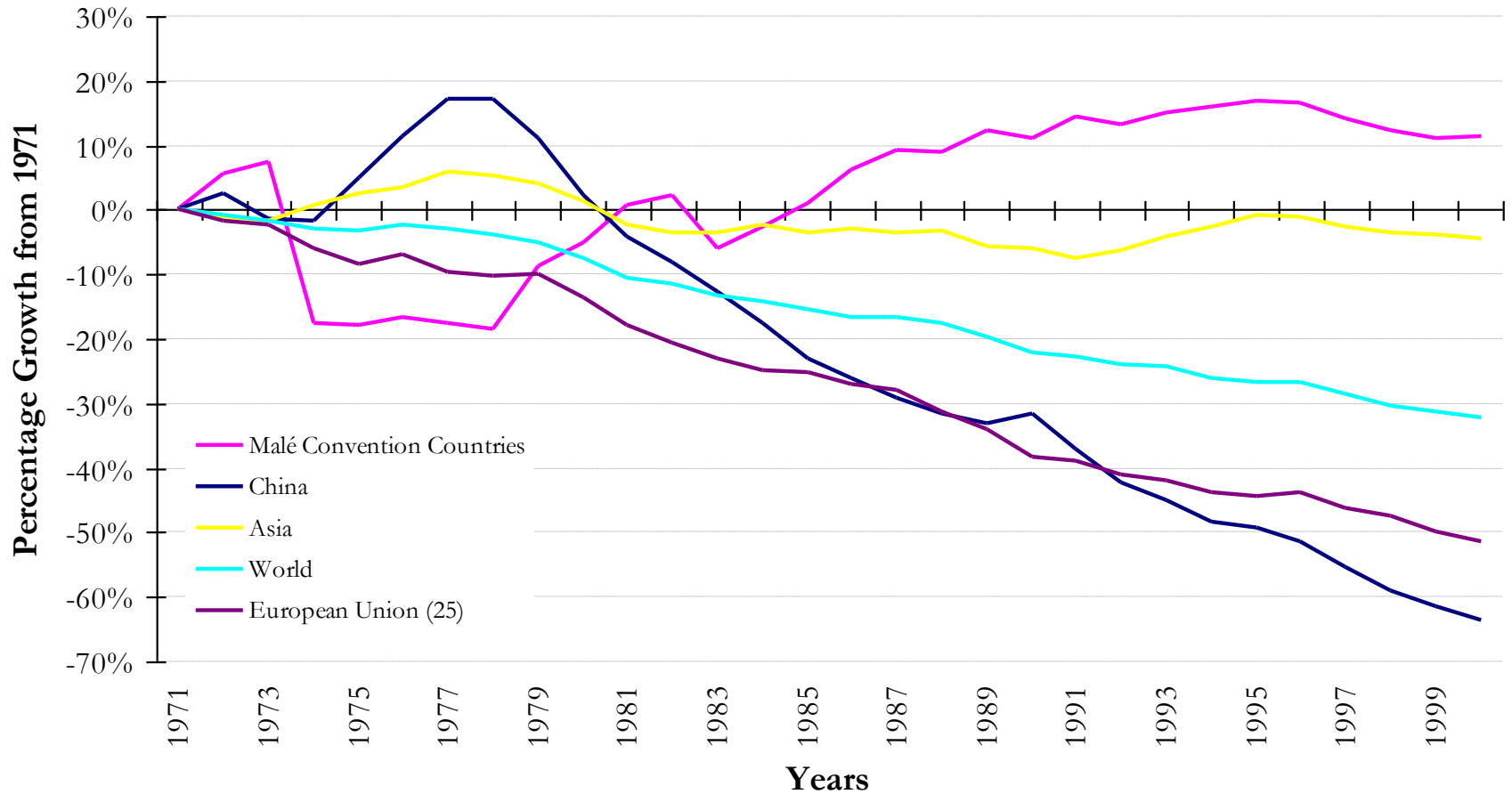
## Emissions (CO<sub>2</sub>: fossil fuel & cement), 1971 - 2000





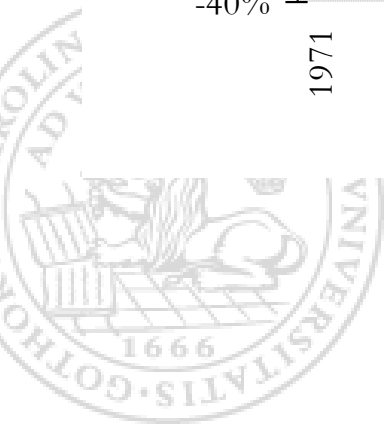
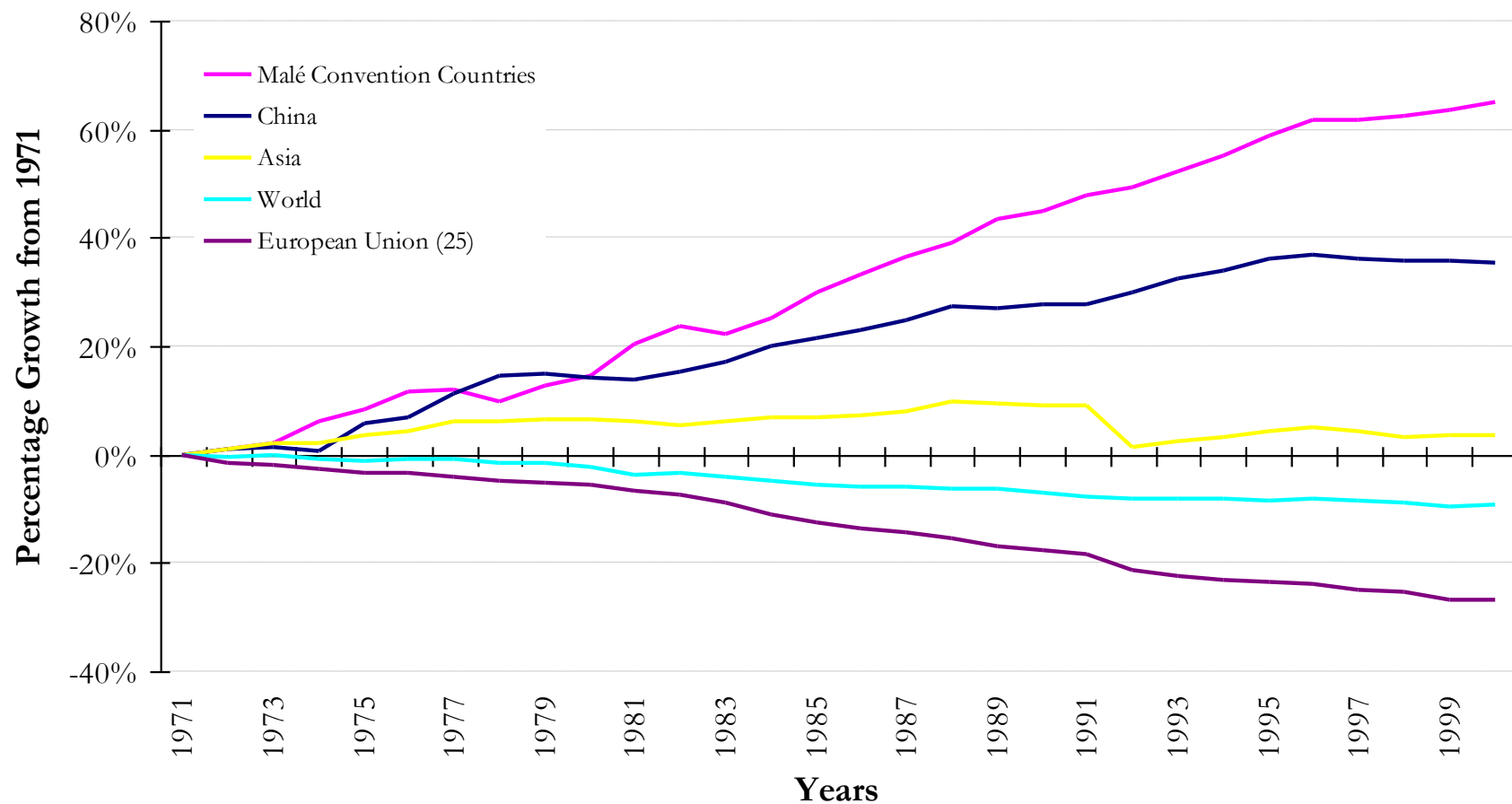
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## Carbon Intensity of Economy, 1971 - 2000



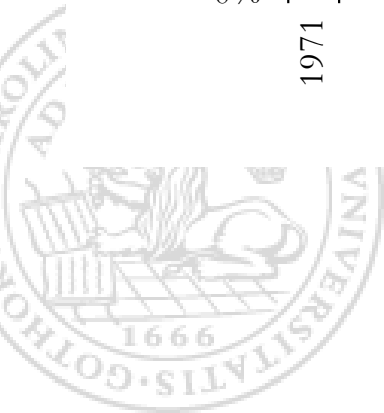
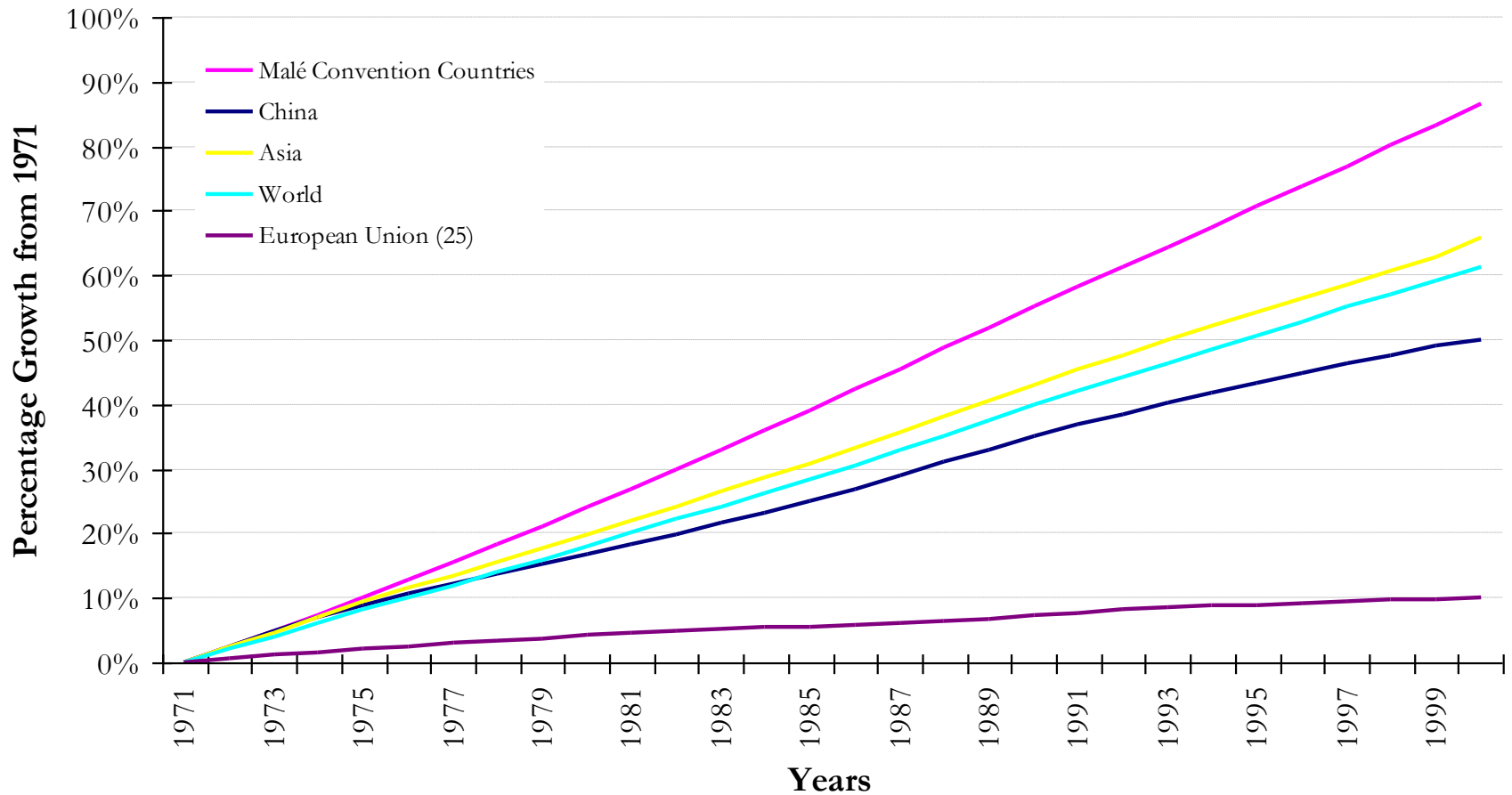
Prepared with 'Climate Analysis Indicator Tool, CAIT' developed by the WRI.

## Carbon Intensity of Energy Use, 1971 - 2000



Prepared with 'Climate Analysis Indicator Tool, CAIT' developed by the WRI.

## Population, 1971 - 2000



# Pollution Scenario related work



- Assessment of needs and concerns for scenario work;
- Develop a “how can one do this?” manual for focus countries;
- (Support) generation of mitigation and leap-frogging scenarios (local, regional and supra-regional pollution issues);
- Integrate existing scenario/projection/forecast data & approaches
- Support the “how can one cost this?” process within focus countries

# Provide Decision Support information for policy formulation & mitigation

Examples and review of successful policy  
interventions for air pollution reduction

- Literature review, overview analysis & case study collection
- Review of context setting parameters for Malé countries
- Suite of interventions: coercion, incentives, capacity-based, norm evolution
- Iterative development between workshops







# Case studies of practical options to prevent air pollution I

Synthesis of potential impact of technology & design choices in S Asian building stock

- Clean & green design
- Technology related demand side issues
- Approaches for building-based emission scenarios









# Case studies of practical options to prevent air pollution II

Synthesis of potential impact of technology & design choices in S Asian vehicle fleets

- Synthesis of conflicting drivers for transport demand/provision
- Assessment of policy related pathways
- Approaches for transport-based emission scenarios



# Sector-based approaches to pollution prevention & control

Understanding opportunities for sector-specific emission prevention & control

- Closely related to previous work
- Targeted at sectors with high relevance to Malé countries
- Provide examples of costing for policy interventions & their outcomes
- Analyze and synthesize communication and dissemination needs





# ACTIVITIES within RAPIDC

FOR NATIONAL IMPLEMENTING  
AGENCIES or their proxies.



# Enhance Capacity in developing Emission Scenarios

- Feedback on draft workplan (Scenario Manual) presented this week
- Identification/proposal of person to be responsible for Emission Scenario work (Emission Inventory Work) – **ASAP**
- Intermittent feedback between workshops to facilitation
- Involvement in training
- (Eventually) creation of country specific scenarios



# Provide Decision Support information for policy formulation & mitigation

- Feedback on draft workplan (Policy Intervention Overview) presented this week
- Identification/proposal of person to be point of contact for work (Policy Intervention Case Studies) – **ASAP**
- Intermittent feedback between workshops to facilitate development of cases & documentation (tailoring to country specifics)



# Case studies of practical options to prevent air pollution

- Feedback on draft workplan (Practical options in building/transportation) presented this week
- Identification/proposal of person(s) to be point of contact for work (building stock & transportation) – **prior to Workshop 2**
- Intermittent feedback between workshops to facilitate development of cases & documentation (tailoring to country specifics)



# Sector-based approaches to pollution prevention & control

- Feedback on draft workplan (Sector based approaches Overview) presented this week
- Identification/proposal of person(s) to be point of contact for work (Cost benefit analysis/dissemination) – **prior to Workshop 3**
- Intermittent feedback between workshops to facilitate development of material





# More Information

**[www.iiiee.lu.se](http://www.iiiee.lu.se)**

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