

Efficiency Standards & Labels

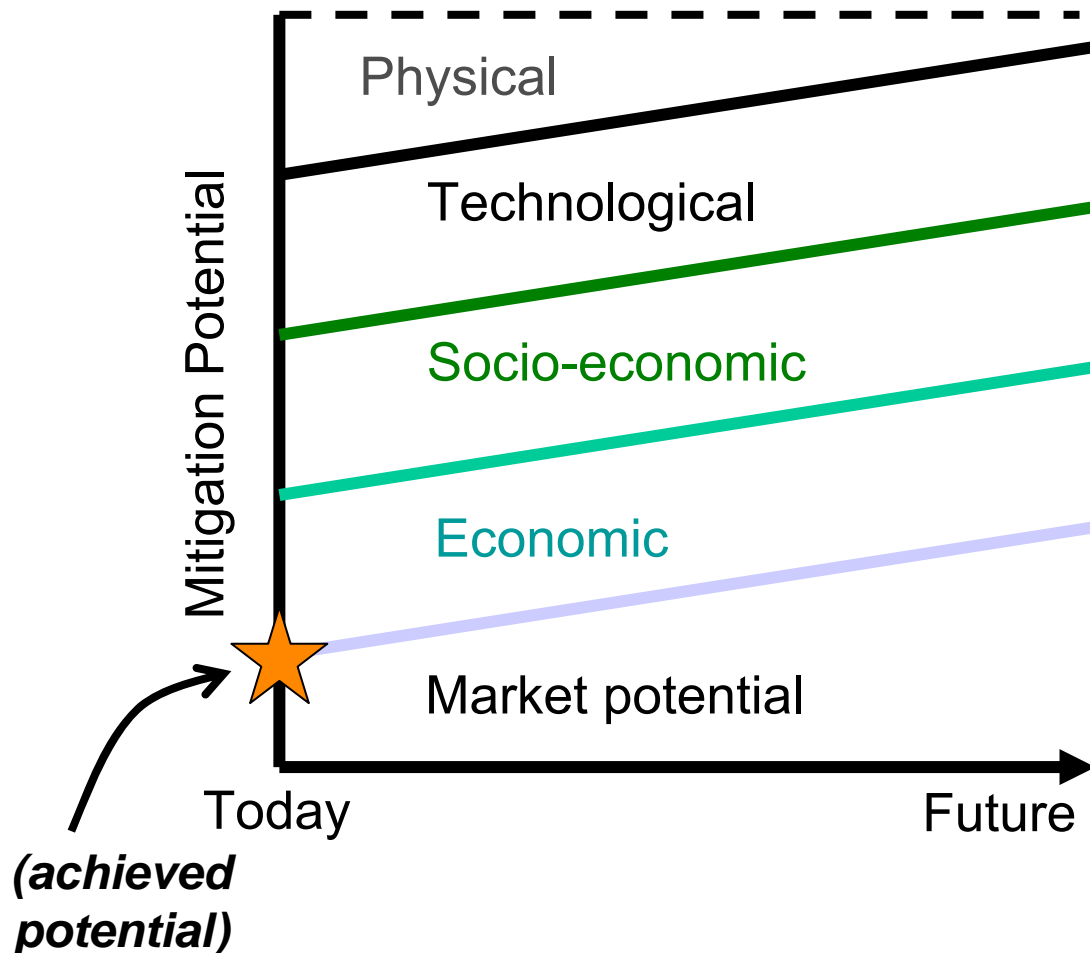
Climate & Trade Implications



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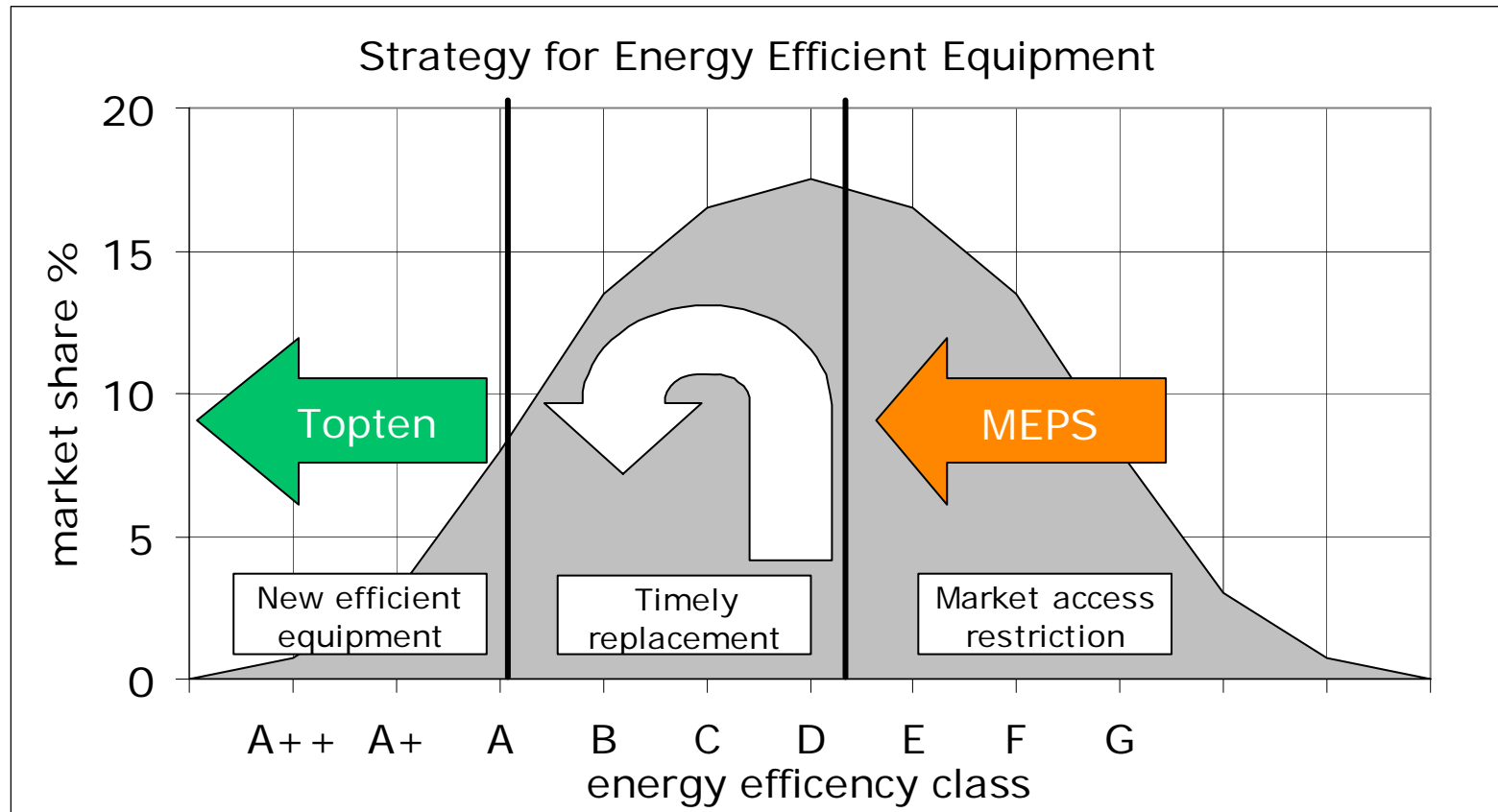
ICTSD Side Event UNFCCC COP12/Kyoto Protocol MOP2
15 November 2006, 15:15 – 16:45 (EU Pavillion, Room 2)

Efficiency & Mitigation Potential



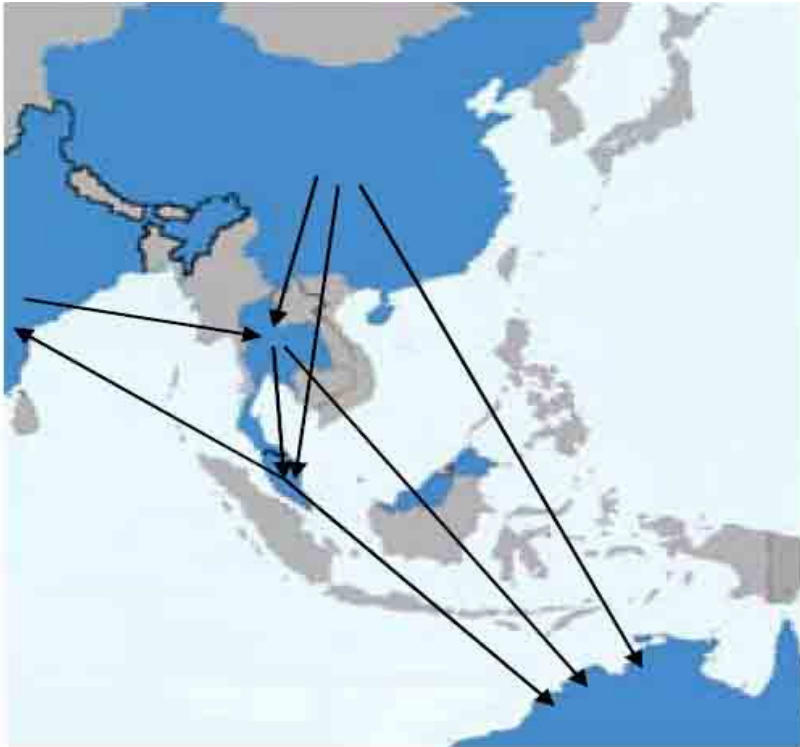
Possible to reduce global emissions to below 2000 levels by 2010-20 using demonstrated technologies (IPCC, 1996).
≥Half at no net cost.

S&L Overcome Market Barriers

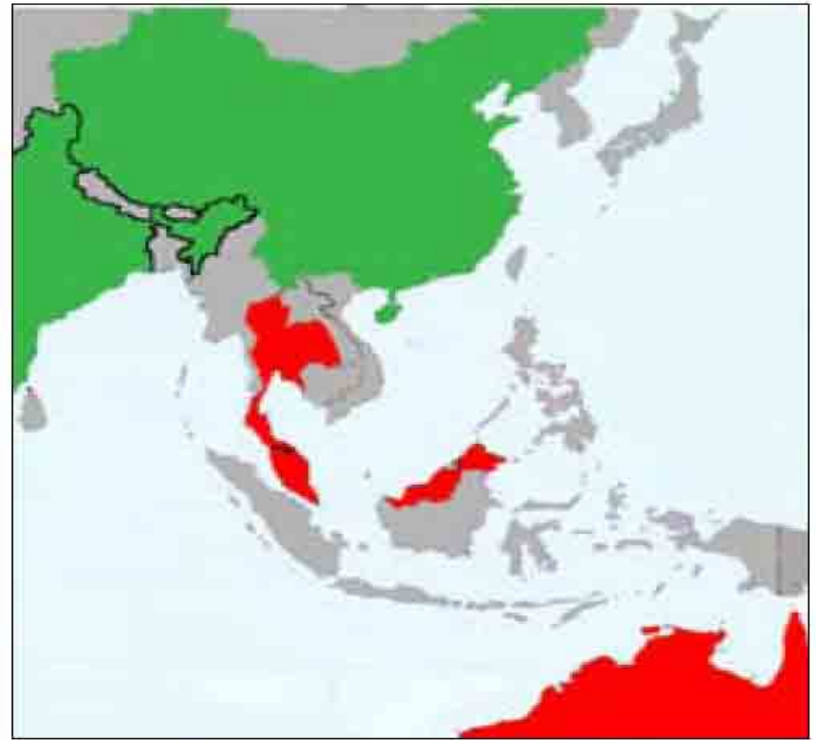


Harmonization of Standards Essential

- Much equipment, appliances and products have become commodity goods

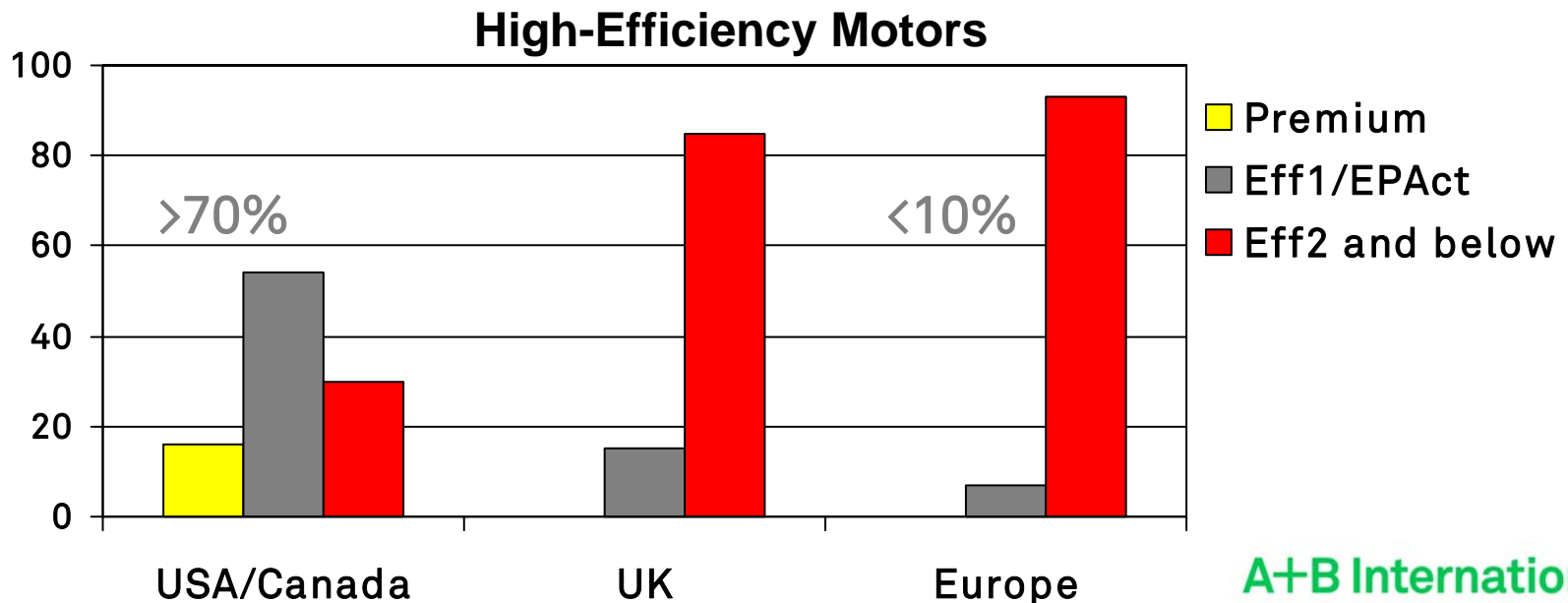


Danish Energy Management



Market Transformation Strategy

- Harmonize energy efficiency testing procedures, efficiency classes and marking schemes
- Introduce mandatory minimum energy performance requirements



Market Transformation (cont.)

- Initiate comprehensive strategy to promote uptake of efficient equipment:
 - Regulation (in particular, MEPS)
 - Financial and non-financial incentives for premium-efficiency equipment
 - Market transparency
 - Awareness, training and technical support
 - Organizational innovation by companies

Case Study:



Standards for Energy Efficiency
of Electric Motor Systems

(www.seeem.org)

- SEEEM community of practice
 - Multi-stakeholder, international forum and knowledge network
 - Harmonization issues (recommended testing standards, efficiency classes and marking schemes)
 - Policy issues (MEPS, compliance regimes, incentive programs, procurement programs)
 - Participation by developing countries (e.g., "GEF SEEEM")

SEEEM Partners



Australian Government
Department of the Environment and Heritage
Australian Greenhouse Office



MARKET TRANSFORMATION PROGRAMME
Supporting UK Government policy on sustainable products

[S · A · F · **E**]



Natural Resources
Canada

Ressources naturelles
Canada



AUSTRIAN ENERGY AGENCY



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UNEP/UNDP-GEF Strategy

- Common vision: Phase out obsolete inefficient technology!
- Strategy: Secure mandate from decision-makers
- GEF role: Co-financing of S&L programs in developing countries via suite of global market transformation projects
 - Lighting (19% global electricity demand): Smart Light
 - Motor Systems (>40% global demand): "Standards for Energy Efficiency of Electric Motor Systems"
 - Household Appliances: "Accelerating Market Transformation through S&L"

Conclusions

- Energy efficiency central to:
 - energy policy
 - climate change mitigation
- Efficient equipment can deliver large, no net cost reductions rapidly
- Global market transformation "action plan" needed:
 - Mandatory MEPS for equipment
 - Comprehensive strategy for systems
 - Involvement of developing countries
 - Multi-stakeholder community of practice

Thanks !

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