



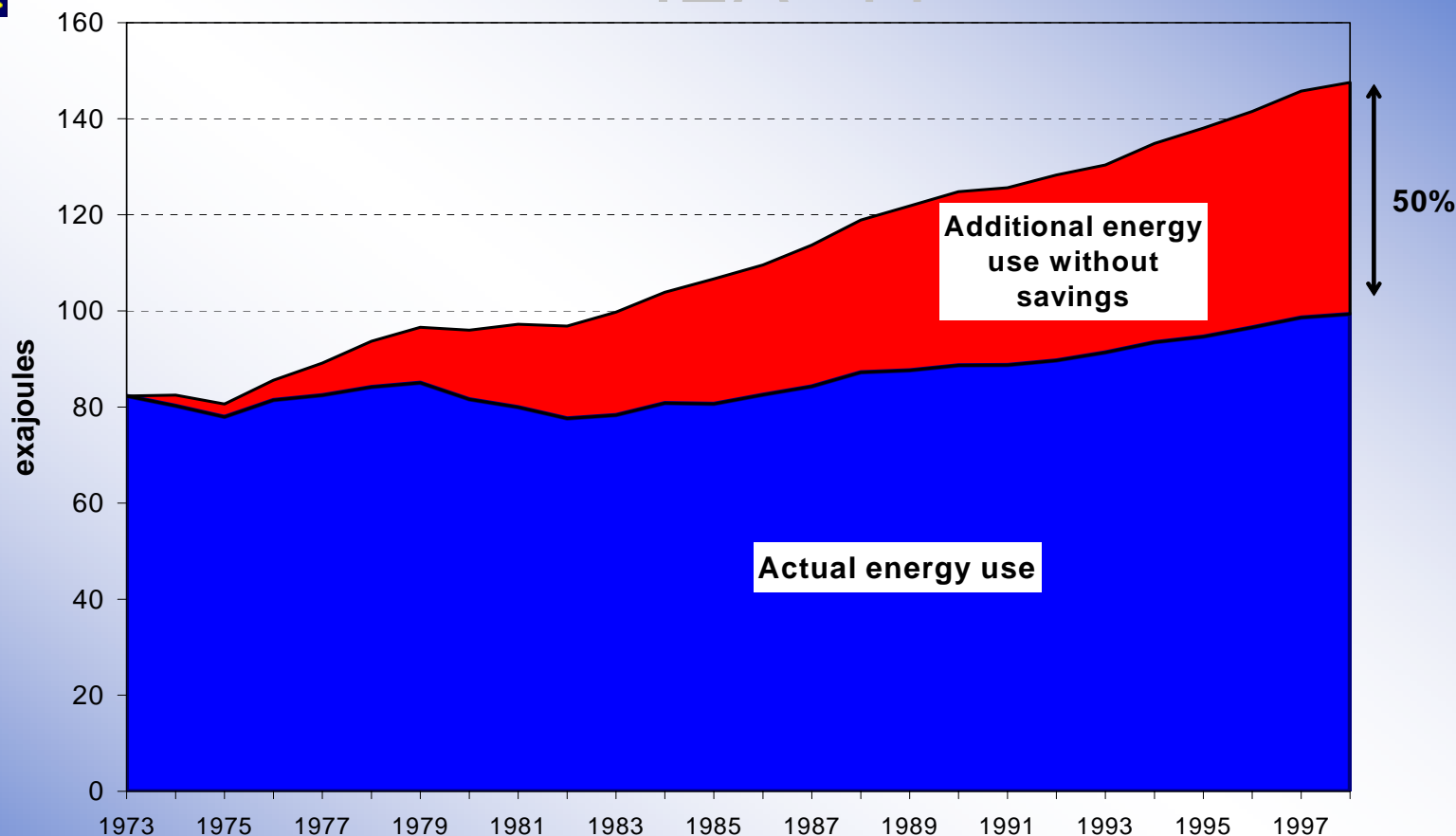
What Can be done by 2010?

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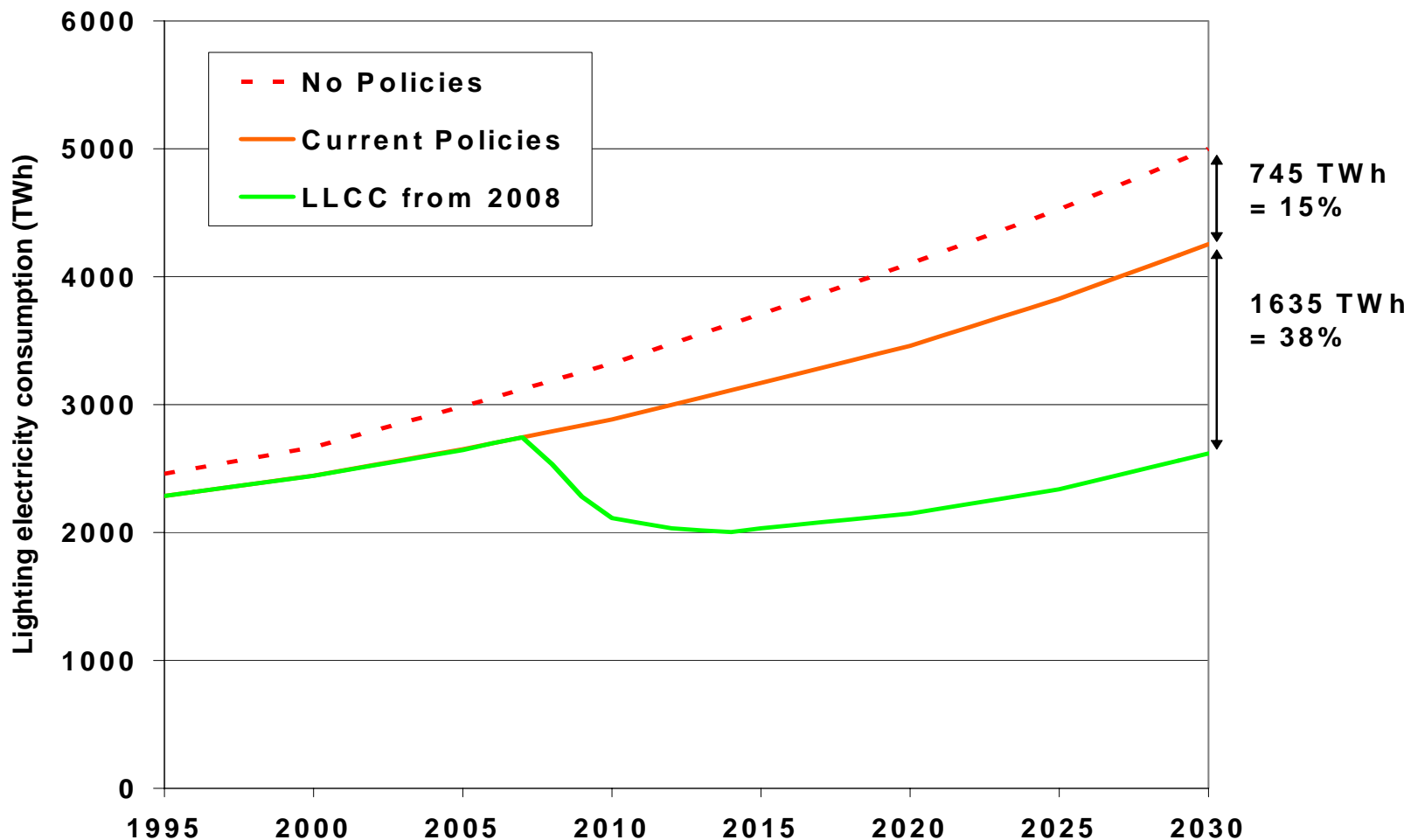


Energy Demand and Savings IEA -11



Without energy savings achieved since 1973 energy demand in 1998 would have been 50% higher

What can be saved cost-effectively?



LIGHT'S
LABOUR'S
LOST

Policies for
Energy-efficient
Lighting



Concrete Efficiency Recommendations

Recommendation	Expected savings	
Stand by (1 Watt initiative)	2-6 % of residential electric use	20 GW electricity alone in IEA region
Television Set-top boxes		9 GW of electricity globally
Fuel-efficient Tires	5 % of auto fuel consumption	20 M ton CO ₂ alone in Europe
Energy Efficient Lighting *	(38 % of energy for lighting) *	(1600 TWh of electricity)

* Final recommendations for lighting are still to be selected and the savings will depend on concrete recommendations



GLENEAGLES PLAN OF ACTION

CLIMATE CHANGE, CLEAN ENERGY AND SUSTAINABLE
DEVELOPMENT

Appliances

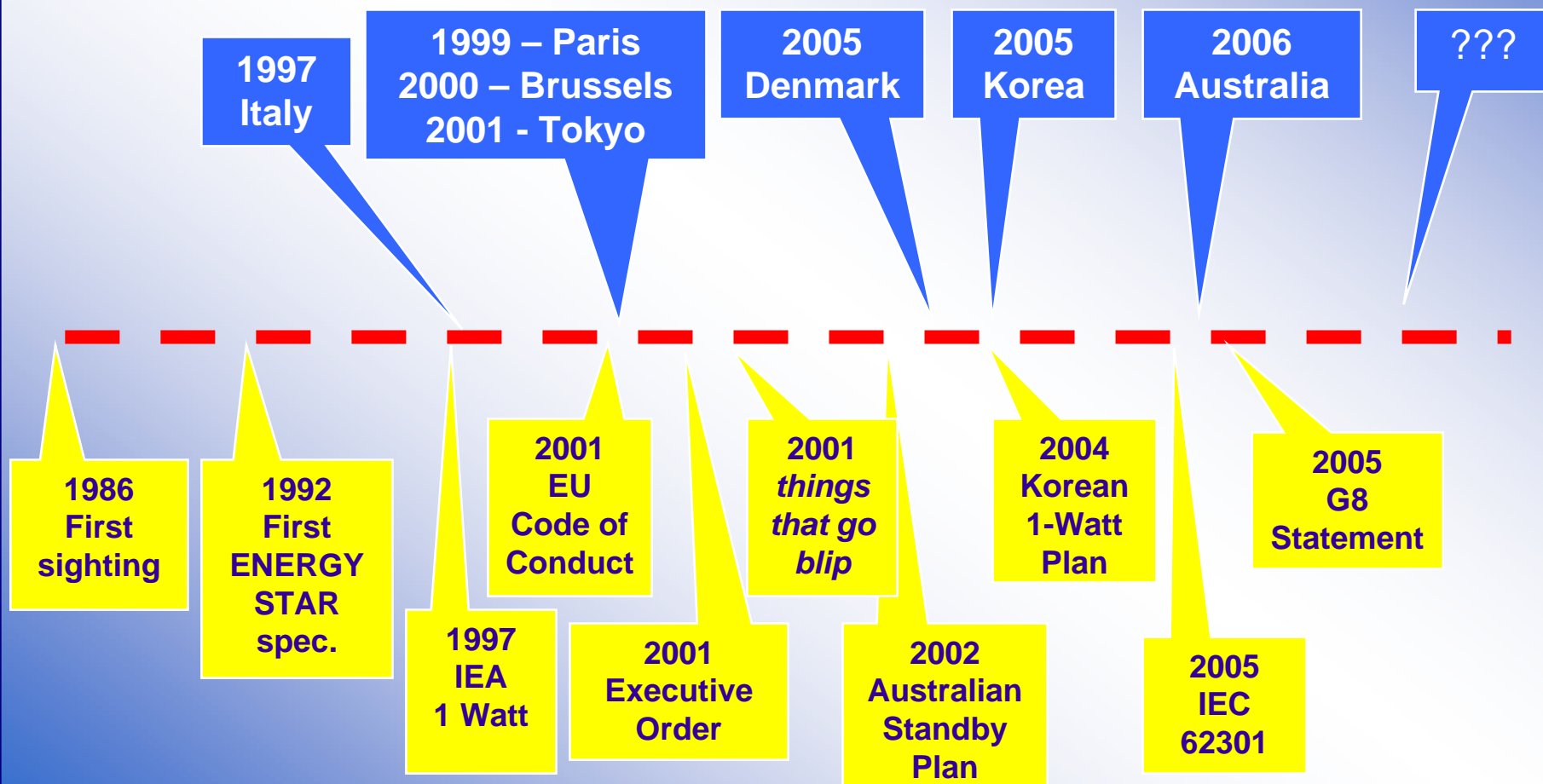
6. To encourage co-ordination of international policies on labelling, standard setting and testing procedures for energy efficiency appliances, we will:

*(a) **promote the application of the IEA's 1 Watt Initiative;***



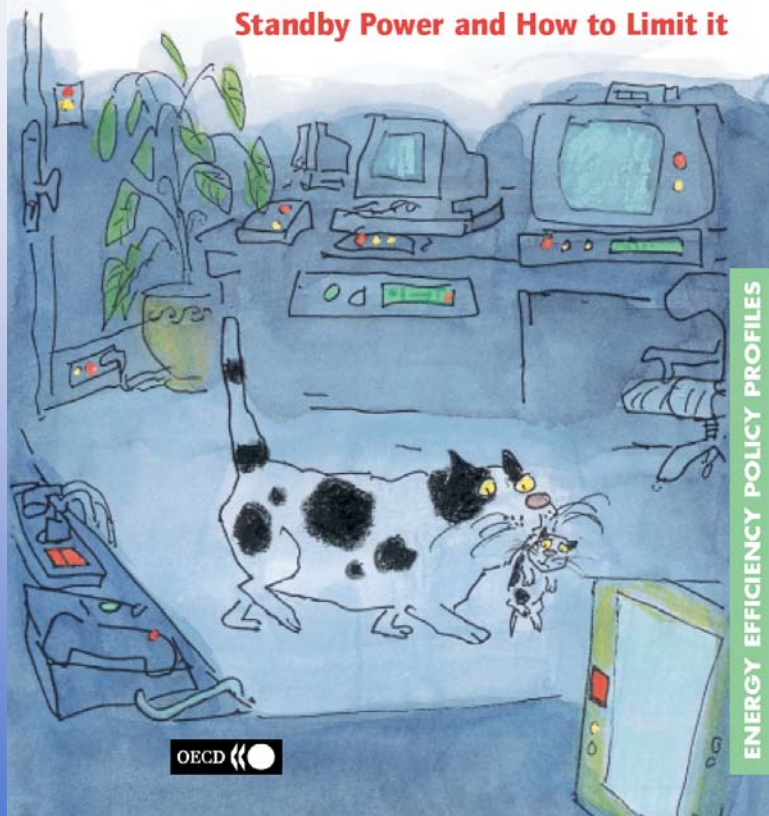
Standby chronology

International Conferences



THINGS THAT GO BLIP IN THE NIGHT

Standby Power and How to Limit it



ENERGY EFFICIENCY POLICY PROFILES

OECD

- Support IEC TC59
- International voluntary programmes
- Guidelines for new products
- Include standby info. on energy labels
- TVs and STBs
- R&D



1-Watt target

- all countries harmonise energy policies to reduce standby power use to no more than one watt per device.
 - ◆ Standby to below 1 watt in all products by 2010
 - ◆ Each country adopt policies appropriate to its own circumstances
 - ◆ All countries adopt uniform definitions and test procedures



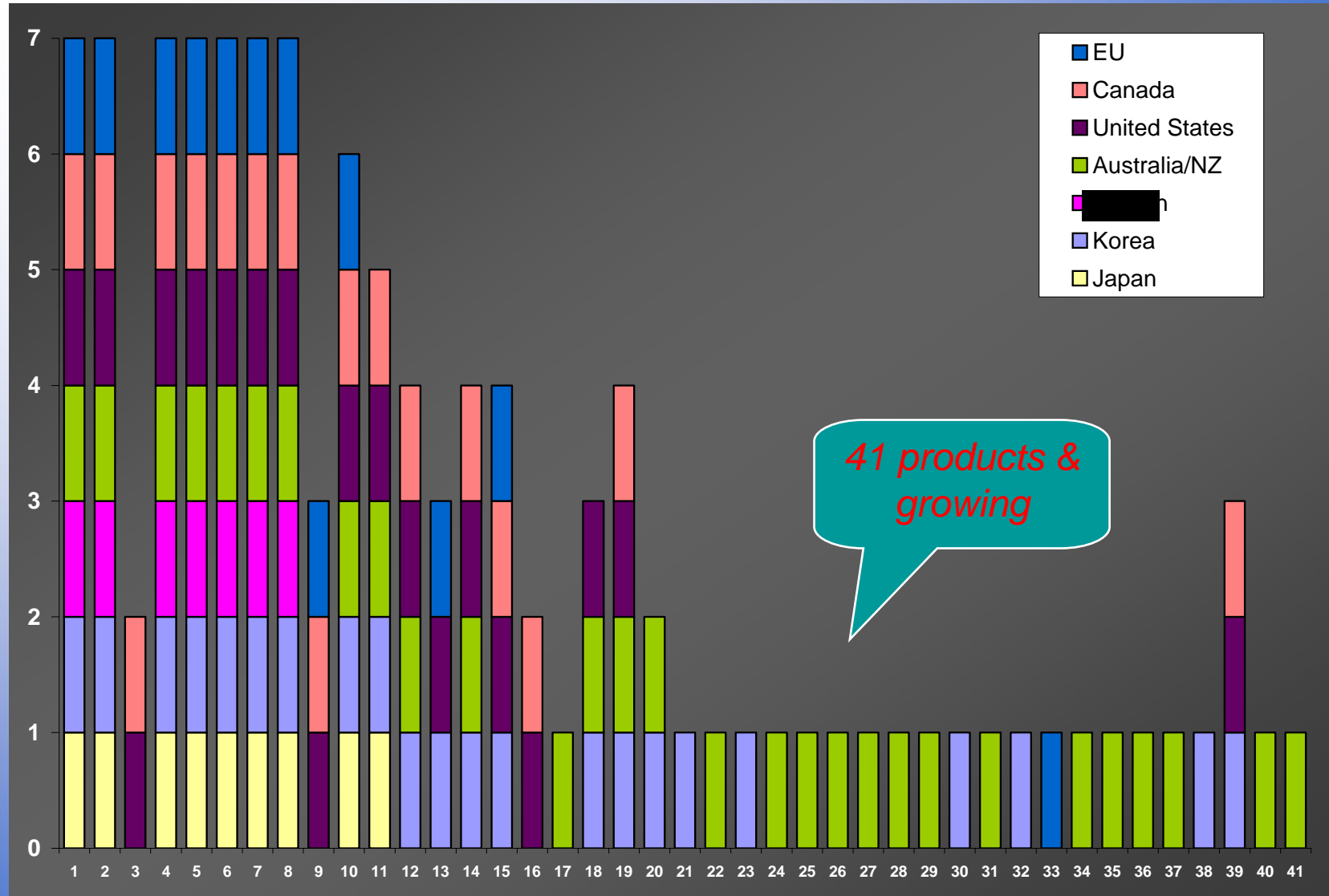
What policies have been implemented?

		1-Watt target	Voluntary Agreement	Label	Database	Government Procurement	Regulation	Other
IEA: Asia-Pacific	Japan			■			■	
	Korea	■		■		■	□	■
	Taiwan			■				
	Aus/NZ	■	■	■	■		□	
IEA: North America	USA	■		■	■	■	□	
	California				■		■	
	Canada			■	■			
IEA: Europe	EU		■	■	■		□	
	GEEA			■	■			
	Germany			■	■			
	Nordic Countries			■	■			
	Denmark		■					
Plus 5	Brazil							
	China			■		□	□	
	India							
	Mexico							
	South Africa							

Legend

■ Current

□ Under consideration





The role of procurement

- Governments should lead by example
- Computers and peripherals: Govt purchases account for a large % of national sales
- Energy Star highly effective in US because of Executive Order
- Governments should implement effective procurement policies for energy efficient products, starting with computers and peripherals



Auto-power down

- low standby power only effective when a product enters standby
- Currently too many products still require a manual command to power down
- Greater attention to this issue is needed now
- Requires international co-operation

