



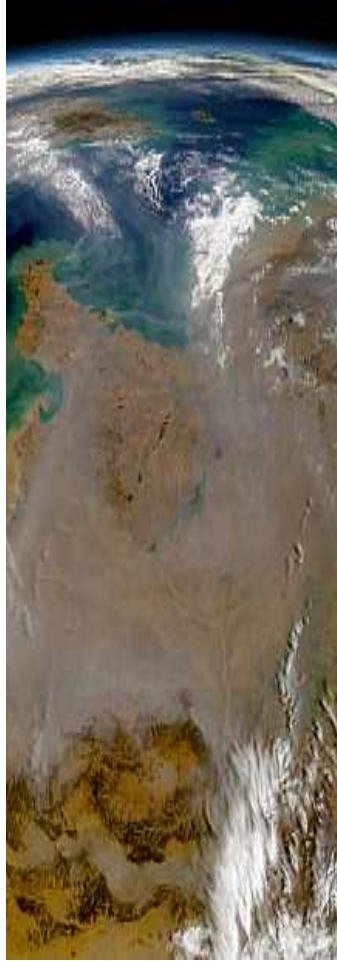
An International Climate Change Regime: Where Does Energy Efficiency Fit?



*Vitaly Matsarski, Coordinator
UNFCCC Secretariat
Geneva, 28 May 2008*



United Nations Framework Convention on Climate Change



Overview

- Energy and GHG emissions
- Deadlines
- Bali Roadmap and Action Plan



United Nations Framework Convention on Climate Change



Energy and GHG emissions

	GHG, Mt CO2 eq		% change
	1990	2005	
Annex I	18 578.4	18 466.4	- 0.7
World	34 428.5	43 291.9	25.9

1990	Annex I vs. World	53%
2005	Annex I vs. World	42%

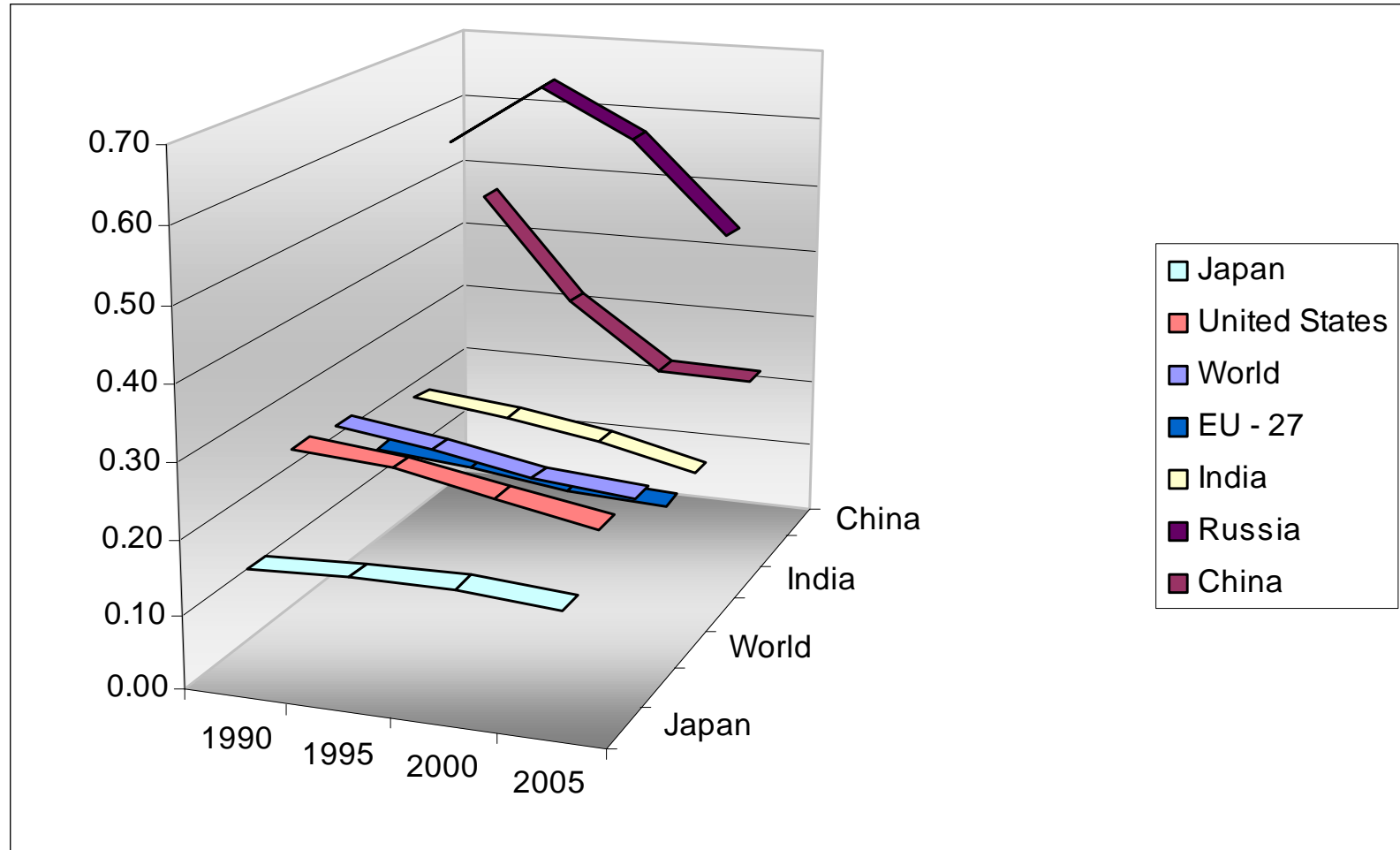
1990	Annex I Share of Energy in Total GHG	82.8%
2005	Annex I Share of Energy in Total GHG	83.7%



United Nations Framework Convention on Climate Change



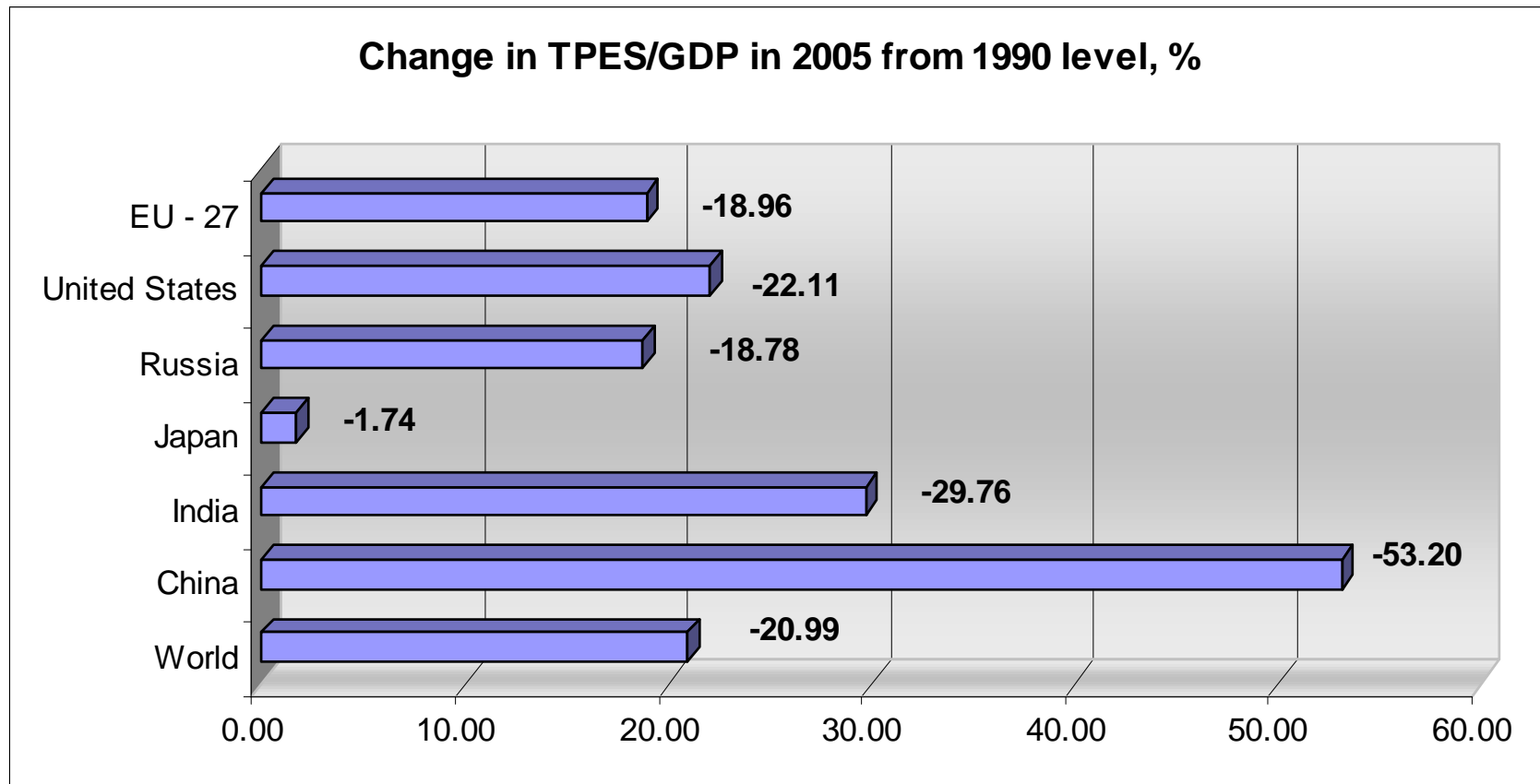
Energy Efficiency Dynamics, 1990-2005



United Nations Framework Convention on Climate Change



Energy Efficiency Dynamics, 1990-2005



United Nations Framework Convention on Climate Change

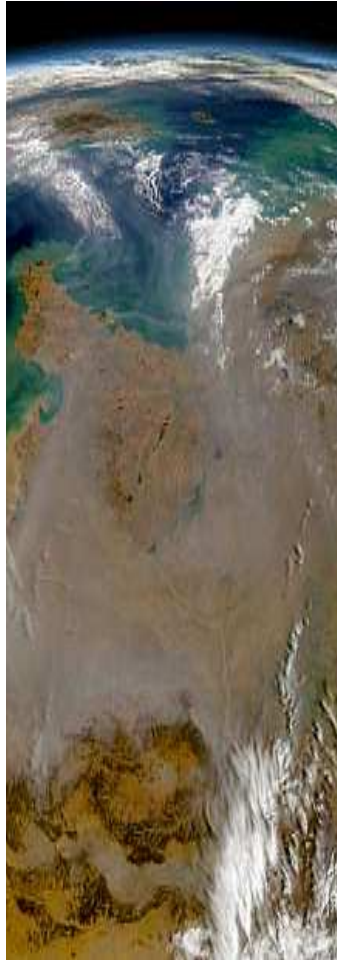


Deadlines

- Kyoto first commitment period ends in 2012
- A new regime should be designed by the end of 2009
- COP 13 (2007) in Bali started a negotiation process: Roadmap and Action Plan



United Nations Framework Convention on Climate Change

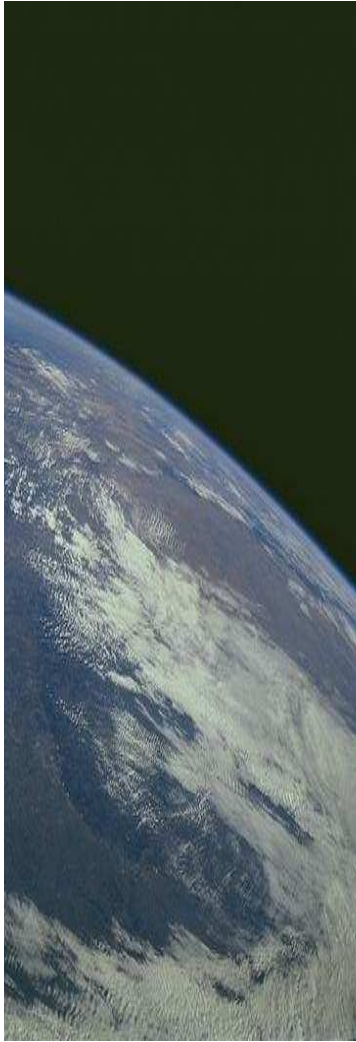


BAP: scale of effort

- Key negotiating issues: **scale of effort and nature of action**
- The BAP reflects an agreement on the most general parameters of negotiations
- Leaves the form and level of any future commitments open
- Calls for “deep cuts in global emissions”



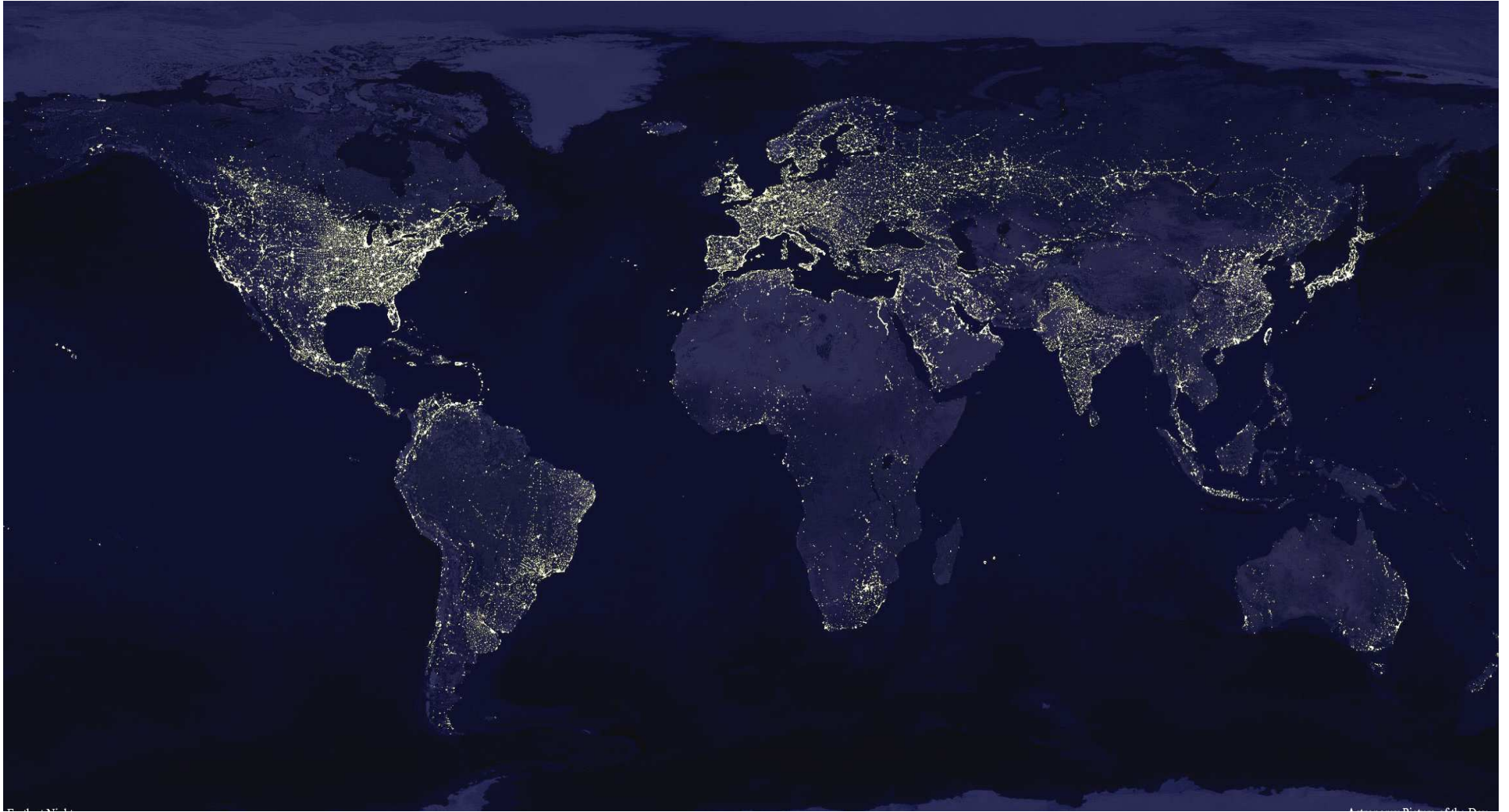
United Nations Framework Convention on Climate Change



BAP: nature of commitments

- Developing countries: **agreed for the first time** to consider taking “measurable, reportable and verifiable” commitments
- These actions to be supported by **technology**, finance and capacity-building by developed countries
- Developed countries: “commitments or actions”, including targets as an option





United Nations Framework Convention on Climate Change

<http://unfccc.int>



Energy Efficiency Dynamics, 1990-2005

Country/Region	TPES/GDP (toe per thousand 2000 US\$ PPP)				Change in TPES/GDP 1990-2005, %
	1990	1995	2000	2005	
World	0.26	0.25	0.22	0.21	-20.99
China	0.47	0.32	0.22	0.22	-53.20
India	0.23	0.21	0.19	0.16	-29.76
Japan	0.16	0.16	0.16	0.15	-1.74
Russia	0.58	0.66	0.60	0.47	-18.78
United States	0.27	0.26	0.24	0.21	-22.11
EU - 27	0.19	0.18	0.16	0.16	-18.96



United Nations Framework Convention on Climate Change