

Appendix 1.1 Malaysia's performance in 2008 EPI AND 2010 EPI

Policy Categories	Indicators	Rank (Score) 2008	Rank (Score) 2010
Environmental burden of disease (25%)	Environmental burden of disease (DALY)**	64 (98.2)	57 (67.8)
Air pollution (effects on humans)12.5%)	Indoor air pollution (INDOOR)	37 (94.7)	34 (94.7)
	Outdoor air pollution (PM10)**	61 (92.5)	46 (92.9)
Water (effects on humans) (12.5%)	Access to water (WATSUP)	66 (98.3)	46 (98.3)
	Access to sanitation (ACSAT)	82 (93)	54 (93.3)
Air Pollution (effects on ecosystem) (4.167%)	Sulfur dioxide emissions per populated land area (SO ₂)**	125 (95.9)	93 (51.8)
	Nitrogen oxides emissions per populated land area (NOX)**	-	104 (45.0)
	Non-methane volatile organic compound emissions per populated land area (NMVOC)**	-	131 (32.6)
	Ecosystem ozone (OZONE)**	142 (99.9)	84 (35.2)
Water (effects on ecosystem) (4.167%)	Water quality index (WQI)	39 (69.6)	79 (54.6)
	Water stress index (WATSTR)**	63 (99.2)	51 (86.8)
	Water scarcity index (WSI)	-	49 (100)
Biodiversity & Habitat (4.167%)	Biome protection (PACOV)	-	16 (100)
	Marine protection (MPAEEZ)**	101 (10)	35 (29.6)
	Critical habitat protection (AZE)	48 (66.7)	21 (66.7)
Forestry (4.167%)	Growing stock change (FORGRO)	122 (100)	39 (100)
	Forest cover change (FORCOV)	-	115 (78.2)
Fisheries (4.167%)	Marine trophic index (MTI)	80 (100)	26 (100)
	Trawling intensity (EEZTD)	13 (5.7)*	112 (5.7)
Agriculture (4.167%)	Agricultural water intensity (AGWAT)**	-	39 (100)
	Agricultural subsidies (AGSUB)	56 (96)	107 (97.7)
	Pesticide regulation (AGPEST)	99 (90.9)	57 (90.9)
Climate Change (25%)	Greenhouse gas emissions per capita (including land use emissions) (GHGCAP)**	23 (73.7)	127 (41.9)
	CO ₂ emissions per electricity generation (CO ₂ KWH)**	55 (40)	108 (8.9)
	Industrial greenhouse gas emissions intensity (GHGIND)**	40 (72)	81 (76.6)

Appendix 1.2 STUDY TEAM

Project Director: Prof. Dato' Dr. Ir. Zaini bin Ujang (UTM)

Researcher	Policy Category	Indicator
Prof Dr Rahmalan bin Ahamad	EH	Environmental burden of disease
	WATER_H	Access to water Access to sanitation
Prof Dr Razman Salim	AIR_H	Indoor air pollution
		Outdoor air pollution
Dr Zainura binti Zainon Noor	AIR_E	Sulfur dioxide emissions per populated land area
		Nitrogen oxides emissions per populated land area
		Non-methane volatile organic compound emissions per populated land area
		Ecosystem ozone
PM Dr Azmi bin Aris	WATER_E	Water quality index
		Water stress index
		Water scarcity index
Dr Mohd Shahir Shamsir bin Omar	BIODIV	Biome protection
		Marine protection
		Critical habitat protection
Prof Dr Zulkifli bin Yusop	FOREST	Growing stock change
		Forest cover change
Dr Shamila binti Azman & PM Dr Mohd Ismid bin Mohd Said	FISH	Marine trophic index
		Trawling intensity
PM Dr Abdull Rahim bin Mohd Yusoff	AGCLTR	Agricultural water intensity
		Agricultural subsidies
		Pesticide regulation
Dr Choong Weng Wai & Dr Haslenda binti Hashim	CLIMATE	Greenhouse gas emissions per capita
		CO2 emissions per electricity generation
		Industrial greenhouse gas emissions intensity
Dr Fadhilah binti Yusof	STATISTICS	
Asiah binti Mohamad	Research Officer (Contract)	
Nurul Hana	Research Assistant (Contract)	

Appendix 1.3 Environmental Burden Of Disease Working Committee

1. ProfDr Rahmalan bin Ahamad (*UTM*)
2. Dr Omar bin Mihat (Bahagian kawalan Penyalit)
3. Dr. Anis Salwa binti Kamarudin (Bahagian Kawalan Penyakit)
4. Dr. Noor Azah binti Daud (Institut Kesihatan Umum)
5. Dr. Azahadi bin Omar (Institut Pengurusan Kesihatan Umum)
6. Asiah binti Mohamad (*UTM*)