

COUNTRY PROFILE

INDONESIA

CLIMATE: **HIGH** CARBON: **HIGH**

THE MONITOR ASSESSMENT

The Climate Vulnerability Monitor provides a comprehensive national-level assessment of vulnerabilities and impact specifically related to contemporary climate change and carbon intensiveness. This 2012 Monitor assessment was commissioned by the Climate Vulnerable Forum and has been independently developed by DARA. It is grounded in leading and up-to-date scientific studies, research and data assimilated on the basis of an externally reviewed methodology. The assessment spans 34 indicators of impact/vulnerability: 22 for climate change ("Climate") and 12 for carbon intensiveness ("Carbon"). Estimates in human, economic and environmental terms are for 2010 and 2030. Vulnerability at country-level and by indicator is comparative to the 184 countries included in the assessment.

→ For the full report, data & additional info: www.daraint.org/cvm2 - cvm@daraint.org - +34 915310372

ECONOMIC NATIONAL LOSS TOTALS: INDONESIA

ADDITIONAL ECONOMIC COSTS (NEGATIVE NUMBERS SHOW POSITIVE EFFECTS) - YEARLY AVERAGE



HUMAN NATIONAL LOSS TOTALS: INDONESIA

ADDITIONAL HUMAN IMPACTS (NEGATIVE NUMBERS SHOW POSITIVE EFFECTS) - YEARLY AVERAGE



FULL COUNTRY ASSESSMENT: INDONESIA

	VULNERABILITY LEVEL		ADDITIONAL ECONOMIC COSTS (MILLION USD PPP)		ADDITIONAL MORTALITY		ADDITIONAL AFFECTED POPULATION (1000s)		OTHER VALUE 1*		OTHER VALUE 2*	
	2010	2030	2010	2030	2010	2030	2010	2030	2010	2030	2010	2030
ENVIRONMENTAL DISASTERS												
	-	+	40	200								
	-	+	75	650	25	30	250	250				
	-	+	-50	-400								
	-	+	-20	-150								
TOTAL			45	300	25	30	250	250				
HABITAT CHANGE												
	-	+	500	3,750					-5,000	-10,000	150	500
	-	+	-5	-50			-50	-100	-400	-750		
	-	+	150	1,750					2,250	7,000	1,750	5,750
	-	+	30,000	250,000					40	31		
	-	+										
	-	+	2,750	15,000			15	15	2,000	4,500		
	-	+	-950	-7,500					-10	-20		
TOTAL			32,445	262,950			-35	-85				
HEALTH IMPACT												
	-	+			0	0	0	0				
	-	+			1,250	1,250						
	-	+			7,500	10,000	9	15				
	-	+										
	-	+			550	650	1	1				
TOTAL					9,300	11,900	11	16				
INDUSTRY STRESS												
	-	+	1,250	9,500								
	-	+	650	7,750								
	-	+	30	350								
	-	+	-10	-75								
	-	+	1,250	10,000								
	-	+										
TOTAL			3,170	27,525								
CLIMATE TOTAL			35,660	290,775	9,325	11,930	226	181				
ENVIRONMENTAL DISASTERS												
	-	+	85	600					1,250	2,250		
	-	+										
TOTAL			85	600								
HABITAT CHANGE												
	-	+	10,000	90,000					3,750	5,000		
	-	+	5	30								
	-	+	1	5					250	250		
TOTAL			10006	90035								
HEALTH IMPACT												
	-	+			30,000	55,000	600	2,000				
	-	+			95,000	150,000	5,000	6,500				
	-	+			1,750	3,250	300	400				
	-	+			400	900	0	1				
TOTAL					127150	209150	5900	8901				
INDUSTRY STRESS												
	-	+	-200	-7,000								
	-	+	200	800								
	-	+	550	2,750								
TOTAL			550	-3450								
CARBON TOTAL			10,641	87,185	127,150	209,150	5,900	8,901				

VULNERABILITY LEVELS:

- Acute+ (Red)
- Acute- (Orange)
- Severe+ (Yellow)
- Severe- (Green)
- High+ (Light Green)
- High- (Medium Green)
- Moderate (Dark Green)
- Low (Lightest Green)

+ = Upper tier of vulnerability level
- = Lower tier of vulnerability level

- Environmental disasters
- Habitat change
- Health impact
- Industry stress

CLIMATE = Impact/Vulnerability to Climate Change

CARBON = Impact/Vulnerability to Carbon Intensiveness

- BIODIVERSITY**: OTHER VALUE 1: Contraction of biological zones (km²) (cumulative); OTHER VALUE 2: Decline in biological richness
- DESERTIFICATION**: Additional land degraded (km²) (cumulative)
- HEATING & COOLING**: Change in energy load (GWh)
- LABOUR PRODUCTIVITY**: Share of workforce particularly affected (%)
- SEA-LEVEL RISE**: Net loss of land (km²) (cumulative)
- WATER**: Loss in water runoff 2030 (km³)
- OIL SANDS**: Tonnes toxic waste ('000s)
- OIL SPILLS**: Gallons oil spill ('000s)
- BIODIVERSITY**: Decline in biological richness
- WATER**: Volume of water to treat (millions m³)