

COUNTRY PROFILE

SEYCHELLES

CLIMATE: **ACUTE** CARBON: **LOW**

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: SEYCHELLES

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



LOSSES PER YEAR

2010 **8.1%GDP**
2030 **19.1%GDP**



LOSSES PER YEAR

2010 **NIL**
2030 **NIL**

HUMAN NATIONAL LOSS TOTALS: SEYCHELLES

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



ADDITIONAL MORTALITY-YEARLY AVERAGE

2010 **5**
2030 **5**



ADDITIONAL PERSONS AFFECTED-YEARLY AVERAGE

2010 **20,000** 2030 **25,000**
2010 **250** 2030 **750**

FULL COUNTRY ASSESSMENT: SEYCHELLES

	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												
DROUGHT	+	+		1								
FLOODS AND LANDSLIDES												
STORMS				1								
WILDFIRES												
TOTAL			0	2	0	0	0	0				
HABITAT CHANGE												
BIODIVERSITY												
DESERTIFICATION				-1								
HEATING AND COOLING				1					5	10	1	5
LABOUR PRODUCTIVITY	-	+	60	400					45	35		
PERMAFROST												
SEA-LEVEL RISE			15	60			0	0	10	25		
WATER			-1	-5								
TOTAL			74	455			0	0				
HEALTH IMPACT												
DIARRHEAL INFECTIONS					0	0	0	0				
HEAT AND COLD ILLNESSES	+	+			1	1						
HUNGER					1	1	0	0				
MALARIA AND VECTOR-BORNE												
MENINGITIS												
TOTAL					2	2	0	0				
INDUSTRY STRESS												
AGRICULTURE	-	+	5	30								
FISHERIES	+	+	70	700								
FORESTRY												
HYDRO ENERGY												
TOURISM	+	+	15	100								
TRANSPORT												
TOTAL			90	830								
CLIMATE TOTAL			164	1,286	2	2	0	0				
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY												
CORROSION												
WATER												
TOTAL			0	0								
HEALTH IMPACT												
AIR POLLUTION						1	0	0				
INDOOR SMOKE					5	5	0	0				
OCCUPATIONAL HAZARDS							0	0				
SKIN CANCER							0	0				
TOTAL					5	6	0	0				
INDUSTRY STRESS												
AGRICULTURE			-1	-5								
FISHERIES				1								
FORESTRY				1								
TOTAL			-0.5	-3.75								
CARBON TOTAL			0	-3	5	6	0	0				

VULNERABILITY LEVELS:

- Acute+ High+
- Acute- High-
- Severe+ Moderate
- Severe- Low

+ = 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
- | | OTHER VALUE 1 | OTHER VALUE 2 |
|---------------------|---|--------------------------------|
| BIODIVERSITY | Contraction of biological zones (km ²) (cumulative) | Decline in biological richness |
| DESERTIFICATION | Additional land degraded (km ²) (cumulative) | |
| HEATING & COOLING | Change in energy load (GWh) | |
| LABOUR PRODUCTIVITY | Share of workforce particularly affected (%) | |
| SEA-LEVEL RISE | Net loss of land (km ²) (cumulative) | |
| WATER | Loss in water runoff 2030 (km ³) | |
| OIL SANDS | Tonnes toxic waste ('000s) | |
| OIL SPILLS | Gallons oil spill ('000s) | |
| BIODIVERSITY | Decline in biological richness | |
| WATER | Volume of water to treat (millions m ³) | |