

## COUNTRY PROFILE

**FIJI**

CLIMATE: **ACUTE** CARBON: **MODERATE**

### 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](http://www.daraint.org/cvm2) - [cvm@daraint.org](mailto:cvm@daraint.org) - +34 915310372

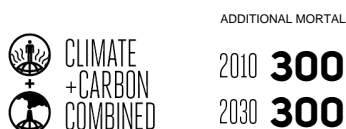
### ECONOMIC NATIONAL LOSS TOTALS: FIJI

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



### HUMAN NATIONAL LOSS TOTALS: FIJI

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



### FULL COUNTRY ASSESSMENT: FIJI

	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
<b>ENVIRONMENTAL DISASTERS</b>												
DROUGHT	-	+		1		1						
FLOODS AND LANDSLIDES	+	+	1	10	1	1	4	3				
STORMS			-10	-75	1	-1	5	-2				
WILDFIRES												
<b>TOTAL</b>			-9	-65	2	0	9	1				
<b>HABITAT CHANGE</b>												
BIODIVERSITY	-	+	5	35					-50	-95	50	150
DESERTIFICATION												
HEATING AND COOLING			1	35					20	90	5	20
LABOUR PRODUCTIVITY			75	600					27	18		
PERMAFROST												
SEA-LEVEL RISE			150	800			0	0	10	25		
WATER			1	20								
<b>TOTAL</b>			232	1,490			0	0				
<b>HEALTH IMPACT</b>												
DIARRHEAL INFECTIONS					1	0	0					
HEAT AND COLD ILLNESSES					10	10						
HUNGER					5	5	0	0				
MALARIA AND VECTOR-BORNE					1	1	0	0				
MENINGITIS												
<b>TOTAL</b>					17	16	0	0				
<b>INDUSTRY STRESS</b>												
AGRICULTURE			10	75								
FISHERIES			5	65								
FORESTRY												
HYDRO ENERGY												
TOURISM			20	200								
TRANSPORT												
<b>TOTAL</b>			35	340								
<b>CLIMATE TOTAL</b>			258	1,766	18	16	9	2				
<b>ENVIRONMENTAL DISASTERS</b>												
OIL SANDS												
OIL SPILLS												
<b>TOTAL</b>			0	0								
<b>HABITAT CHANGE</b>												
BIODIVERSITY												
CORROSION												
WATER												
<b>TOTAL</b>			0	0								
<b>HEALTH IMPACT</b>												
AIR POLLUTION					100	100	5	10				
INDOOR SMOKE					150	150	4	3				
OCCUPATIONAL HAZARDS					1	5	2	2				
SKIN CANCER					5	15	0	0				
<b>TOTAL</b>					256	270	11	16				
<b>INDUSTRY STRESS</b>												
AGRICULTURE			-1									
FISHERIES												
FORESTRY												
<b>TOTAL</b>			-0.75	0								
<b>CARBON TOTAL</b>			0	0	256	270	11	16				

**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<sup>2</sup>) (cumulative) Decline in biological richness

**DESERTIFICATION** Additional land degraded (km<sup>2</sup>) (cumulative)

**HEATING & COOLING** Change in energy load (GWh)

**LABOUR PRODUCTIVITY** Share of workforce particularly affected (%)

**SEA-LEVEL RISE** Net loss of land (km<sup>2</sup>) (cumulative)

**WATER** Loss in water runoff 2030 (km<sup>3</sup>)

**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<sup>3</sup>)