

COUNTRY PROFILE

FRANCE

CLIMATE: **LOW**

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 - cvm@daraint.org - +34 915310372

ECONOMIC NATIONAL LOSS TOTALS: FRANCE

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



HUMAN NATIONAL LOSS TOTALS: FRANCE

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



FULL COUNTRY ASSESSMENT: FRANCE

	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
CLIMATE												
ENVIRONMENTAL DISASTERS												
DROUGHT	+	+	45	75								
FLOODS AND LANDSLIDES	+	+	60	200	1	1	9	15				
STORMS	+	+	40	95			3	6				
WILDFIRES	+	+										
TOTAL			145	370	1	2	12	21				
HABITAT CHANGE												
BIODIVERSITY	+	-	1,750	5,000					-15,000	-25,000	90	300
DESERTIFICATION	+	+	400	1,250			600	1,500	5,250	10,000		
HEATING AND COOLING	+	+	-2,250	-6,250					-15,000	-25,000	-1,250	-2,000
LABOUR PRODUCTIVITY	+	+							5	5		
PERMAFROST	+	+										
SEA-LEVEL RISE	+	+	700	1,250			2	2	100	150		
WATER	+	+	9,000	25,000					5	10		
TOTAL			9,600	26,250			602	1,502				
HEALTH IMPACT												
DIARRHEAL INFECTIONS	+	+			0	0	0	0				
HEAT AND COLD ILLNESSES	+	+			20	150						
HUNGER	+	+										
MALARIA AND VECTOR-BORNE	+	+										
MENINGITIS	+	+										
TOTAL					20	150	0	0				
INDUSTRY STRESS												
AGRICULTURE	+	+	300	700								
FISHERIES	+	+	30	90								
FORESTRY	+	+	30	90								
HYDRO ENERGY	+	+	25	100								
TOURISM	+	+	30	200								
TRANSPORT	+	+	5	25								
TOTAL			420	1,205								
CLIMATE TOTAL			10,165	27,825	21	151	615	1,523				
CARBON												
ENVIRONMENTAL DISASTERS												
OIL SANDS	+	+										
OIL SPILLS	+	+	85	150					400	400		
TOTAL			85	150								
HABITAT CHANGE												
BIODIVERSITY	+	+	950	3,000					65	150		
CORROSION	+	+	20	20								
WATER	+	+	150	200					4,750	4,250		
TOTAL			1,120	3,220								
HEALTH IMPACT												
AIR POLLUTION	+	+			7,750	9,250	150	250				
INDOOR SMOKE	+	+			1,500	2,000	15	25				
OCCUPATIONAL HAZARDS	+	+			250	250	60	60				
SKIN CANCER	+	+			750	1,500	3	7				
TOTAL					10,250	13,000	228	342				
INDUSTRY STRESS												
AGRICULTURE	+	+	250	-950								
FISHERIES	+	+	35	100								
FORESTRY	+	+	250	300								
TOTAL			535	-550								
CARBON TOTAL			1,740	2,820	10,250	13,000	228	342				

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)	