

COUNTRY PROFILE

SWITZERLAND

CLIMATE: **LOW** 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

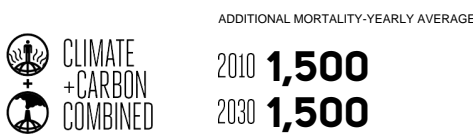
ECONOMIC NATIONAL LOSS TOTALS: SWITZERLAND

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



HUMAN NATIONAL LOSS TOTALS: SWITZERLAND

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



FULL COUNTRY ASSESSMENT: SWITZERLAND

	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			5	10								
FLOODS AND LANDSLIDES			25	75	1	1	2	3				
STORMS			5	15			0	0				
WILDFIRES												
TOTAL			35	100	1	1	2	3				
HABITAT CHANGE												
BIODIVERSITY			70	200					-300	-600	100	300
DESERTIFICATION												
HEATING AND COOLING			-400	-1,250					-2,750	-5,000	-20	-30
LABOUR PRODUCTIVITY									6	6		
PERMAFROST												
SEA-LEVEL RISE												
WATER			800	2,250					1	1		
TOTAL			470	1,200			0	0				
HEALTH IMPACT												
DIARRHEAL INFECTIONS					0	0	0	0				
HEAT AND COLD ILLNESSES					15	40						
HUNGER												
MALARIA AND VECTOR-BORNE												
MENINGITIS												
TOTAL					15	40	0	0				
INDUSTRY STRESS												
AGRICULTURE			10	25								
FISHERIES				1								
FORESTRY			1	1								
HYDRO ENERGY				30								
TOURISM				20								
TRANSPORT			5	30								
TOTAL			37	177								
CLIMATE TOTAL			541	1,477	15	40	2	3				
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY			85	250					150	350		
CORROSION												
WATER			1	1					30	25		
TOTAL			86	251								
HEALTH IMPACT												
AIR POLLUTION					850	950	15	25				
INDOOR SMOKE					250	300	2	3				
OCCUPATIONAL HAZARDS					40	40	6	6				
SKIN CANCER					100	200	0	1				
TOTAL					1240	1490	24	35				
INDUSTRY STRESS												
AGRICULTURE			10	-50								
FISHERIES												
FORESTRY			40	50								
TOTAL			50	0								
CARBON TOTAL			136	251	1,240	1,490	24	35				

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)	