

## D-7. Hazards to Supply Chains and Logistics [www.life-links.org/docs/framework](http://www.life-links.org/docs/framework)

This table presents a categorization of hazards along with examples drawn from the guidelines and a selection of tools listed in Part D-2. Hazard categories are based on the risk categories as applied by WEF Global Risk Report,<sup>1</sup> and splitting natural hazards into geophysical, and climate-related acute physical and chronic physical to be consistent with TCFD's recommendations regarding climate-related risks.<sup>2</sup> The climate-related hazards are from the IPCC Sixth Assessment Report and called 'climate impact-drivers'.<sup>3</sup>

Natural Hazards		Human-made		
Extreme weather events (acute physical)	Heat and cold	Extreme heat	Geopolitical	Wars / armed conflicts
		Cold spell		Political instability / civil unrest
		Frost		Geopolitical sanctions (political, economic, trade)
	Wet and dry	Landslides	Geopolitical	Pandemics
		Droughts		Epidemics
		Wildfires		Disease/virus outbreaks (waterborne, insects, other)
		River flood		Spread pests and diseases (e.g. malaria, dengue)
		Heavy precipitation and pluvial flood	Safety	Public safety
		Landslide		Risks to individuals
		Aridity		Urbanization challenges (overcrowding, informal settlements)
	Snow and ice	Hydrological drought	Urban / society	Migration and displacements
		Agricultural and ecological drought		Aging infrastructure
		Fire weather		Resource scarcity (e.g. water, energy)
		Tropical cyclone		Cyber (data breach, denial of service, phishing, ransomware, vulnerability)
		Sand and dust storm		IT system failures
		Heavy snowfall and ice storm	Economic and Financial	Sabotage subsea cables
		Hail		Financial crises / recessions
		Snow avalanche		Demand shocks
		Coastal flood		Inflation
	Open ocean	Marine heatwave		Capital availability issues

<sup>1</sup> World Economic Forum (2026), Global Risk Report 2026, <https://www.weforum.org/publications/global-risks-report-2026/>

<sup>2</sup> Task Force on Climate-related Financial Disclosures (TCFD 2017). Recommendations of the Task Force on Climate-related Financial Disclosures. <https://assets.bbhub.io/company/sites/60/2020/10/FINAL-2017-TCFD-Report-11052018.pdf>

<sup>3</sup> IPCC (2021). Climate Change Information for Regional Impact and for Risk Assessment, In: Climate Change 2021: The Physical Science Basis. Contribution of Working Group I to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change. <https://doi.org/10.1017/9781009157896.014>

Natural Hazards			Human-made	
Extreme weather events (acute physical)	Other	Air pollution weather	Labour	Strikes
	Heat and cold	Mean air temperature		Labor shortages
	Wet and dry	Mean precipitation		Lack of skilled workforce
	Wind	Mean wind speed		Worker absence (illness, holidays)
Shifts in climate patterns (chronic physical)	Snow and ice	Snow, glacier and ice sheet	Security	Theft
		Permafrost		Piracy
		Lake, river and sea ice		Corruption
	Coastal	Relative sea level		Smuggling and illicit trade
	Coastal	Coastal erosion		Crime (organized crime, robbery, shooting)
	Open ocean	Mean ocean temperature		Terrorism
		Ocean acidity		Vandalism / sabotage
		Ocean salinity		Piracy / criminal attacks
		Dissolved oxygen	Accidents / Failures	Equipment failures
		Seismic (earthquakes, tsunamis)		Infrastructure (fuel, network, power, telecom, water/sewage)
Geophysical		Sinkholes		Transport infrastructure (bridge, mine, tunnel, dams, dikes/levees)
		Glacial lake outburst floods (GLOFs)		Industrial (e.g. chemical spills, explosions, hazardous materials)
		Geomagnetic storms		Fires (industry, vehicle, vessel, other)
		Volcanic eruptions		Transportation
			Corporate	Financial (financial health, insolvency, M&A)
				Production (operations, product, workplace)
				Suppliers
			Regulatory	Industry (regulations, directives, advice)
				Trade (sanction, restriction, regulation)
			Transportation	Litigation / legal issues
				Aviation
				Customs
				Ground transportation
				Maritime
		Environmental, climate-related physical		
		Environmental, geophysical		
		Economic		
		Societal		
		Geopolitical		
		Technological		