

Climate hazards, impacts and adaptation actions

IMPACTED SECTORS	CLIMATE HAZARDS					
	Extreme heat, extreme cold	Extreme precipitation	Floods, sea level rise	Droughts	Storms	Changes in local and global climate and ecosystems
Buildings	➤ Discomfort^{1,7} ➤ Energy consumption⁷	➤ River basin erosion⁷ ➤ Storm water management^{1,2,3,7}	➤ Coastal floods^{6,7}			
Energy					➤ Power failures⁸	
Water		➤ Nutrient run off^{1,2} ➤ Need for dredging⁵		➤ Water shortages, irrigation water demand⁴		
Land Use Planning		➤ Storm water management^{1,2} ➤ Dredge waste⁵	➤ Flooding limits⁶	➤ Nature protection areas threatened⁹		➤ Ecological corridors vitally important^{1,9} ➤ Migrants / segregation¹⁴
Agriculture & Forestry		➤ Need for winter vegetation coverage¹⁰			➤ Tree damages¹⁰	➤ New hazardous diseases and organisms or the increase in numbers of such^{10,11}
Environment & Biodiversity				➤ Sensitive nature areas threatened⁹		➤ The biodiversity of nature is declining^{1,9,13} ➤ Invasive species¹²
Health	➤ Heat related health problems^{1,10,15}	➤ Water contamination^{1,2,15}				➤ Diseases and epidemics spread by insects¹⁵ ➤ Freeze-thaw cycle / slipperiness¹⁵ ➤ Decrease in snow / mental health problems^{1,10,15}
Tourism			➤ Harm to harbour operations⁵			➤ The popularity of Turku might increase
Air quality				➤ Street dust^{1,11}		➤ Air pollution episodes^{1,11}