

4 - 09 Permafrost 4 - 08 Landslides/instability 4 - 14 River runoff 4 - 25 Changes in kelp forests 4 - 14. Marine & coastal 4 - 16 Shifts in phenology (marine & coastal) 4 - 42 Health 4 - 26 Seagrass 4 - 17 Geographical shift (marine & coastal) 4 - 20 Species metabolism (marine & coastal) - 4 - 11 Glacier retreat 4 - 12 Drought frequency and intensity 4 - 39 Human Settlements 4 - 27 Carbon flux (marine & coastal 4 - 36 Carbon flux (Terrestrial and freshwater) 4 - 19 Changes in warm water corals 4 - 36 Wildfires 4 - 47 Malnutrition 4 - 51 Economic activity 4 - 49 Displacement and migration 4 - 35 Ecosystem productivity (Terrestrial and freshwater) 4 - 44 Extreme heat exposure 4 - 50 Economic inequality 4 - 03 Changes in precipitation 4 - 45 Crop yields 4 - 05 Sea level change 4 - 41 Gender specific / gender unequal impacts 4 - 10 Sea ice retreat 4 - 38 Coastal human systems 4 - 15 Species distribution (marine & coastal) 4 - 29 Shifts in phenology (Terrestrial and freshwater) 4 - 30 Species abundance (Terrestrial and freshwater) 4 - 21 Species abundance (marine & coastal) 4 - 23 Biodiversity effects (marine & coastal) 4 - 48 Conflict 4 - 01 Warming 4 - 06 Sea surface temperature 4 - 33 Biome shift (Terrestrial and freshwater) 4 - 34 Biodiversity effects (Terrestrial and freshwater) 4 - 31 Species metabolism (Terrestrial and freshwater) 4 - 28 Species distribution (Terrestrial and freshwater) 4 - 32 Geographical shift (Terrestrial and freshwater) 4 - 24 Ocean ecosystem productivitiy 4 - 18 Changes in fisheries output/catch (potential) 4 - 07 CO2 concentrattion 4 - 22 Biome shift (marine & coastal) 4 - 04 Changes in strong precipitation 4 - 46 Food prices 4 - 13 River floods 4 - 37 Arctic infrastructure 4 - 40 Indigenous communities

4 - 43 Vector-borne diseases

4 - 02 Extreme temperature

4 - 28.0 Terrestrial and freshwater