Table 3.SM.4: 3.4.5 Coastal and low-lying areas

Risk	Region	Metric (Unit)	Baseline Time Period against Which Change Measured	Socio-Economic Scenario and Date	Baseline Global T	Climate Scenario	Transient (T) or Equilibrium (E)	Is it an Overshoot Scenario? How Long is it above 1.5°C and What is the Maximum Temperature and When?	Dynamic Model?	Projected Impact at 1.5°C above Pre-Industrial	Projected Impact at 2°C above Pre-Industrial	Projected Impact at Delta T for Defined Year (°C)	Delta T Relative to Pre-Industrial in Defined Year; Delta T(°C)	Level of Risk after Adaptation at 1.5°C	Level of Risk after Adaptation at 2°C	Type of Adaptation Modeled	Reference
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP1.5 (50th percentile). Stabilization at approx. 1.5°C	N/A	Yes. Overshoots after 2035 to 2150	No	562	N/A	N/A	N/A	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP1.5 (95th percentile). Stabilization at approx. 1.5°C	N/A	Yes. Overshoots after 2045. Does not return to 1.5°C	No	575	590	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5	1850–1900	AMP1.5 (50th percentile). Stabilization at approx. 1.5°C	N/A	Yes. Overshoots after 2035 to 2150	No	128–137	N/A	N/A	N/A	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5	1850–1900	AMP1.5 (95th percentile). Stabilization at approx. 1.5°C	N/A	Yes. Overshoots after 2045. Does not return to 1.5°C	No	134–143	136–144	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.0 (50th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	561	613	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.0 (95th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2025. Does not return to 1.5°C	No	562	590	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.0 (5th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	557	N/A	N/A	N/A	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5	1850–1900	AMP2.0 (50th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	127–132	114–151	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5	1850–1900	AMP2.0 (95th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2025. Does not return to 1.5°C	No	126–129	134–143	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5	1850–1900	AMP2.0 (5th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	124–134	N/A	N/A	N/A	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.5 (50th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	561	598	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.5 (95th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	569	591	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.5 (5th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	561	N/A	N/A	N/A	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5	1850–1900	AMP2.5 (50th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	127–132	122–146	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5	1850–1900	AMP2.5 (95th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	128–132	134–143	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5	1850–1900	AMP2.5 (5th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	124–134	N/A	N/A	N/A	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP3.0 (50th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	561	598	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP3.0 (95th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2025. Does not return to 1.5°C	No	562	591	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP3.0 (5th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	599	N/A	N/A	N/A	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5	1850–1900	AMP3.0 (50th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	127–132	122–136	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5	1850–1900	AMP3.0 (95th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2025. Does not return to 1.5°C	No	126–128	134–143	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5	1850–1900	AMP3.0 (5th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	124–134	N/A	N/A	N/A	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP4.5 (50th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	561	593	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP4.5 (95th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	568	591	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)

Risk	Region	Metric (Unit)	Baseline Time Period against Which Change Measured	Socio-Economic Scenario and Date	Baseline Global T	Climate Scenario	Transient (T) or Equilibrium (E)	Is it an Overshoot Scenario? How Long is it above 1.5°C and What is the Maximum Temperature and When?	Dynamic Model?	Projected Impact at 1.5°C above Pre-Industrial	Projected Impact at 2°C above Pre-Industrial	Projected Impact at Delta T for Defined Year (°C)	Delta T Relative to Pre-Industrial in Defined Year; Delta T(°C)	Level of Risk after Adaptation at 1.5°C	Level of Risk after Adaptation at 2°C	Type of Adaptation Modeled	Reference
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP4.5 (5th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	560	590	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5	1850–1900	AMP4.5 (50th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	127–131	125–137	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5	1850–1900	AMP4.5 (95th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	128–133	134–143	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5	1850–1900	AMP4.5 (5th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	124–134	101–144	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	RCP8.5 (50th percentile)	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	563	576	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	RCP8.5 (95th percentile)	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	569	585	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	RCP8.5 (5th percentile)	N/A	Yes. Overshoots after 2040. Does not return to 1.5°C	No	557	567	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5	1850–1900	RCP8.5 (50th percentile)	N/A	Yes. Overshoots after 2045. Does not return to 1.5°C	No	127–133	130–139	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5	1850–1900	RCP8.5 (95th percentile)	N/A	Yes. Overshoots after 2040. Does not return to 1.5°C	No	128–132	133–141	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5	1850–1900	RCP8.5 (5th percentile)	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	125–132	125–136	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP1.5 (5th percentile). Stabilization at approx. 1.5°C	N/A	N/A	No	N/A	N/A	575	1.26°C in 2100	N/A	N/A	N/A	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP1.5 (5th percentile). Stabilization at approx. 1.5°C	N/A	N/A	No	N/A	N/A	592	1.15°C in 2200	N/A	N/A	N/A	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP1.5 (5th percentile). Stabilization at approx. 1.5°C	N/A	N/A	No	N/A	N/A	606	1.12°C in 2300	N/A	N/A	N/A	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP1.5 (95th percentile). Stabilization at approx. 1.5°C	N/A	Yes. Overshoots after 2045. Does not return to 1.5°C	No	575	590	669	2.33°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP1.5 (95th percentile). Stabilization at approx. 1.5°C	N/A	Yes. Overshoots after 2045. Does not return to 1.5°C	No	575	590	827	2.18°C in 2200	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP1.5 (95th percentile). Stabilization at approx. 1.5°C	N/A	Yes. Overshoots after 2045. Does not return to 1.5°C	No	575	590	843	1.82°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP1.5 (50th percentile). Stabilization at approx. 1.5°C	N/A	Yes. Overshoots after 2035 to 2150	No	562	N/A	620	1.58°C in 2100	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP1.5 (50th percentile). Stabilization at approx. 1.5°C	N/A	Yes. Overshoots after 2035 to 2150	No	562	N/A	666	1.41°C in 2200	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP1.5 (50th percentile). Stabilization at approx. 1.5°C	N/A	Yes. Overshoots after 2035 to 2150	No	562	N/A	702	1.33°C in 2300	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.0 (5th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	557	N/A	585	1.72°C in 2100	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.0 (5th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	557	N/A	618	1.66°C in 2200	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.0 (5th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	557	N/A	642	1.60°C in 2300	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.0 (95th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2025. Does not return to 1.5°C	No	562	590	686	2.64°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.0 (95th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2025. Does not return to 1.5°C	No	562	590	827	2.57°C in 2200	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)

Risk	Region	Metric (Unit)	Baseline Time Period against Which Change Measured	Socio-Economic Scenario and Date	Baseline Global T	Climate Scenario	Transient (T) or Equilibrium (E)	Is it an Overshoot Scenario? How Long is it above 1.5°C and What is the Maximum Temperature and When?	Dynamic Model?	Projected Impact at 1.5°C above Pre-Industrial	Projected Impact at 2°C above Pre-Industrial	Projected Impact at Delta T for Defined Year (°C)	Delta T Relative to Pre-Industrial in Defined Year; Delta T(°C)	Level of Risk after Adaptation at 1.5°C	Level of Risk after Adaptation at 2°C	Type of Adaptation Modeled	Reference
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.0 (95th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2025. Does not return to 1.5°C	No	562	590	937	2.23°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.0 (50th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	561	613	637	1.90°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.0 (50th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	561	613	705	2.03°C in 2200	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km2)	1995	N/A	1850–1900	AMP2.0 (50th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	561	613	767	1.81°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.5 (5th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	561	N/A	589	1.89°C in 2100	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.5 (5th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	561	N/A	639	2.12°C in 2200	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.5 (5th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	561	N/A	677	2.05°C in 2300	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.5 (95th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	569	591	693	2.95°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.5 (95th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	569	591	875	3.02°C in 2200	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.5 (95th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	569	591	1030	3.71°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.5 (50th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	561	598	633	2.30°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.5 (50th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	561	598	737	2.40°C in 2200	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP2.5 (50th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	561	598	825	2.29°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP3.0 (5th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	599	N/A	592	1.97°C in 2100	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP3.0 (5th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	599	N/A	654	2.41°C in 2200	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP3.0 (5th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	599	N/A	707	2.45°C in 2300	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP3.0 (95th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2025. Does not return to 1.5°C	No	562	591	696	3.21°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP3.0 (95th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2025. Does not return to 1.5°C	No	562	591	911	3.49°C in 2200	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP3.0 (95th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2025. Does not return to 1.5°C	No	562	591	1130	3.15°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP3.0 (50th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	561	598	635	2.40°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP3.0 (50th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	561	598	759	2.85°C in 2200	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP3.0 (50th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	561	598	872	2.76°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP4.5 (5th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	560	590	593	2.05°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP4.5 (5th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	560	590	672	2.75°C in 2200	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)

Risk	Region	Metric (Unit)	Baseline Time Period against Which Change Measured	Socio-Economic Scenario and Date	Baseline Global T	Climate Scenario	Transient (T) or Equilibrium (E)	Is it an Overshoot Scenario? How Long is it above 1.5°C and What is the Maximum Temperature and When?	Dynamic Model?	Projected Impact at 1.5°C above Pre-Industrial	Projected Impact at 2°C above Pre-Industrial	Projected Impact at Delta T for Defined Year (°C)	Delta T Relative to Pre-Industrial in Defined Year; Delta T(°C)	Level of Risk after Adaptation at 1.5°C	Level of Risk after Adaptation at 2°C	Type of Adaptation Modeled	Reference
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP4.5 (5th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	560	590	760	3.17°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP4.5 (95th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	568	591	700	3.28°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP4.5 (95th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	568	591	961	4.66°C in 2200	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP4.5 (95th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	568	591	1290	4.75°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP4.5 (50th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	561	593	638	2.50°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP4.5 (50th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	561	593	786	3.4°C in 2200	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	AMP4.5 (50th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	561	593	960	3.85°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	RCP8.5 (5th percentile)	N/A	Yes. Overshoots after 2040. Does not return to 1.5°C	No	557	567	646	4.35°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	RCP8.5 (5th percentile)	N/A	Yes. Overshoots after 2040. Does not return to 1.5°C	No	557	567	887	7.02°C in 2200	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	RCP8.5 (5th percentile)	N/A	Yes. Overshoots after 2040. Does not return to 1.5°C	No	557	567	1190	7.52°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	RCP8.5 (95th percentile)	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	569	585	792	5.83°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	RCP8.5 (95th percentile)	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	569	585	1490	11.23°C in 2200	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	RCP8.5 (95th percentile)	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	569	585	2220	13.14°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	RCP8.5 (50th percentile)	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	563	576	708	4.93°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	RCP8.5 (50th percentile)	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	563	576	1140	8.55°C in 2200	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Area situated below the 1-in-100-year flood plain	Global	(th km^2)	1995	N/A	1850–1900	RCP8.5 (50th percentile)	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	563	576	1630	9.54°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP1.5 (5th percentile). Stabilization at approx. 1.5°C	N/A	N/A	No	N/A	N/A	95–141	1.26°C in 2100	N/A	N/A	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP1.5 (5th percentile). Stabilization at approx. 1.5°C	N/A	N/A	No	N/A	N/A	112–170	1.12°C in 2300	N/A	N/A	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP1.5 (95th percentile). Stabilization at approx. 1.5°C	N/A	Yes. Overshoots after 2045. Does not return to 1.5°C	No	134–143	136–144	114–173	2.33°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP1.5 (95th percentile). Stabilization at approx. 1.5°C	N/A	Yes. Overshoots after 2045. Does not return to 1.5°C	No	134–143	136–144	165–263	1.82°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP1.5 (50th percentile). Stabilization at approx. 1.5°C	N/A	Yes. Overshoots after 2035 to 2150	No	128–137	N/A	103–154	1.58°C in 2100	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP1.5 (50th percentile). Stabilization at approx. 1.5°C	N/A	Yes. Overshoots after 2035 to 2150	No	128–137	N/A	133–207	1.33°C in 2300	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP2.0 (5th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	124–133	N/A	97–144	1.72°C in 2100	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP2.0 (5th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	124–133	N/A	120–183	1.60°C in 2300	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)

Risk	Region	Metric (Unit)	Baseline Time Period against Which Change Measured	Socio-Economic Scenario and Date	Baseline Global T	Climate Scenario	Transient (T) or Equilibrium (E)	Is it an Overshoot Scenario? How Long is it above 1.5°C and What is the Maximum Temperature and When?	Dynamic Model?	Projected Impact at 1.5°C above Pre-Industrial	Projected Impact at 2°C above Pre-Industrial	Projected Impact at Delta T for Defined Year (°C)	Delta T Relative to Pre-Industrial in Defined Year; Delta T(°C)	Level of Risk after Adaptation at 1.5°C	Level of Risk after Adaptation at 2°C	Type of Adaptation Modeled	Reference
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP2.0 (95th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2025. Does not return to 1.5°C	No	126–127	134–143	118–179	2.64°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP2.0 (95th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2025. Does not return to 1.5°C	No	126–127	134–143	192.9–301.8	2.23°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP2.0 (50th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	127–132	114–151	106–158	2.03°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP2.0 (50th percentile). Stabilization at approx. 2.0°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	127–132	114–151	147–232	1.81°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP2.5 (5th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	124–134	N/A	98–146	1.89°C in 2100	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP2.5 (5th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	124–134	N/A	128–197	2.05°C in 2300	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP2.5 (95th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	128-132	134–143	119–182	2.95°C in 2100	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP2.5 (95th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	128-132	134–143	208–342	2.71°C in 2300	Increasing (no adaptation assumed)	N/A	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP2.5 (50th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	127-132	122–146	107–160	2.30°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP2.5 (50th percentile). Stabilization at approx. 2.5°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	127-132	122–146	162–257	2.29°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP3.0 (5th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	134-146	N/A	98–146	1.97°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP3.0 (5th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	134-146	N/A	134–207	2.45°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP3.0 (95th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2025. Does not return to 1.5°C	No	125–128	134–143	120–183	3.21°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP3.0 (95th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2025. Does not return to 1.5°C	No	125-128	134–143	227–376	3.15°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP3.0 (50th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	127–132	122–136	107–161	2.40°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP3.0 (50th percentile). Stabilization at approx. 3.0°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	127-132	122–136	172–276	2.76°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP4.5 (5th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	124–134	101–144	99–147	2.05°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP4.5 (5th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	124–134	101–144	146–228	3.17°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP4.5 (95th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	128–133	134–143	120–184	3.28°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP4.5 (95th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2030. Does not return to 1.5°C	No	128–133	134–143	262–441	4.75°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP4.5 (50th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	127–131	125–137	108–162	2.50°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	AMP4.5 (50th percentile). Stabilization at approx. 4.5°C	N/A	Yes. Overshoots after 2035. Does not return to 1.5°C	No	127–131	125–137	193–313	3.85°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	RCP8.5 (5th percentile)	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	125–132	125–136	110–166	4.35°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	RCP8.5 (5th percentile)	N/A	Yes. Overshoots after 2050. Does not return to 1.5°C	No	125–132	125–136	243–407	7.52°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)

Risk	Region	Metric (Unit)	Baseline Time Period against Which Change Measured	Socio-Economic Scenario and Date	Baseline Global T	Climate Scenario	Transient (T) or Equilibrium (E)	Is it an Overshoot Scenario? How Long is it above 1.5°C and What is the Maximum Temperature and When?	Dynamic Model?	Projected Impact at 1.5°C above Pre-Industrial	Projected Impact at 2°C above Pre-Industrial	Projected Impact at Delta T for Defined Year (°C)	Delta T Relative to Pre-Industrial in Defined Year; Delta T(°C)	Level of Risk after Adaptation at 1.5°C	Level of Risk after Adaptation at 2°C	Type of Adaptation Modeled	Reference
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	RCP8.5 (95th percentile)	N/A	Yes. Overshoots after 2040. Does not return to 1.5°C	No	128–132	133–141	142–221	5.83°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	RCP8.5 (95th percentile)	N/A	Yes. Overshoots after 2040. Does not return to 1.5°C	No	128–132	133–141	504–879	13.14°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	RCP8.5 (50th percentile)	N/A	Yes. Overshoots after 2045. Does not return to 1.5°C	No	127–133	130–139	123–189	4.93°C in 2100	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
Population situated below the 1-in-100-year flood plain	Global	(millions)	1995	SSP1–5 until 2100, then no change to 2300	1850–1900	RCP8.5 (50th percentile)	N/A	Yes. Overshoots after 2045. Does not return to 1.5°C	No	127–133	130–139	361–620	9.54°C in 2300	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Brown et al. (2018a)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	1.5°C scenario (50th percentile)	N/A	No	Yes	27,8	N/A	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	1.5°C scenario (95th percentile)	N/A	No	Yes	2,3	N/A	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	2.0°C scenario (50th percentile)	N/A	Yes. Overshoots in 2040. Does not return to 1.5°C	Yes	19,5	52,3	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	2.0°C scenario (95th percentile)	N/A	Yes. Overshoots in 2005. Does not return to 1.5°C	Yes	2,3	14,9	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	2.0°C scenario (5th percentile)	N/A	Yes. Overshoots in 2060. Does not return to 1.5°C	Yes	25,8	N/A	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	RCP8.5 (50th percentile)	N/A	Yes. Overshoots in 2035. Does not return to 1.5°C	Yes	30	36,4	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	RCP8.5 (95th percemtile)	N/A	Yes. Overshoots in 2005. Does not return to 1.5°C	Yes	2,3	14,8	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	RCP8.5 (5th percentile)	N/A	Yes. Overshoots in 2045. Does not return to 1.5°C	Yes	21,2	25	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	1.5°C scenario (50th percentile)	N/A	No	Yes	N/A	N/A	62,7	1.48°C in 2100	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	1.5°C scenario (95th percentile)	N/A	No	Yes	N/A	N/A	116,8	1.55°C in 2100	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	1.5°C scenario (5th percentile)	N/A	No	Yes	N/A	N/A	33,4	1.25°C in 2100	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	2.0°C scenario (50th percentile)	N/A	Yes. Overshoots in 2040. Does not return to 1.5°C	Yes	N/A	N/A	75	2.03°C in 2100	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	2.0°C scenario (95th percentile)	N/A	Yes. Overshoots in 2005. Does not return to 1.5°C	Yes	N/A	N/A	131,9	2.32°C in 2100	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	2.0°C scenario (5th percentile)	N/A	Yes. Overshoots in 2060. Does not return to 1.5°C	Yes	N/A	N/A	41,7	1.77°C in 2100	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	RCP8.5 (50th percentile)	N/A	Yes. Overshoots in 2035. Does not return to 1.5°C	Yes	N/A	N/A	103	3.81°C in 2100	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	RCP8.5 (95th percemtile)	N/A	Yes. Overshoots in 2005. Does not return to 1.5°C	Yes	N/A	N/A	166,3	6.29°C in 2100	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)

Risk	Region	Metric (Unit)	Baseline Time Period against Which Change Measured	Socio-Economic Scenario and Date	Baseline Global T	Climate Scenario	Transient (T) or Equilibrium (E)	Is it an Overshoot Scenario? How Long is it above 1.5°C and What is the Maximum Temperature and When?	Dynamic Model?	Projected Impact at 1.5°C above Pre-Industrial	Projected Impact at 2°C above Pre-Industrial	Projected Impact at Delta T for Defined Year (°C)	Delta T Relative to Pre-Industrial in Defined Year; Delta T(°C)	Level of Risk after Adaptation at 1.5°C	Level of Risk after Adaptation at 2°C	Type of Adaptation Modeled	Reference
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	RCP8.5 (5th percentile)	N/A	Yes. Overshoots in 2045. Does not return to 1.5°C	Yes	N/A	N/A	69	3.04°C in 2100	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	1.5°C scenario (50th percentile)	N/A	No	Yes	N/A	N/A	103,5	1.46°C in 2200	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	1.5°C scenario (95th percentile)	N/A	No	Yes	N/A	N/A	180,4	1.55°C in 2200	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	1.5°C scenario (5th percentile)	N/A	No	Yes	N/A	N/A	60	1.45°C in 2200	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	2.0°C scenario (50th percentile)	N/A	Yes. Overshoots in 2040. Does not return to 1.5°C	Yes	N/A	N/A	124	1.98°C in 2200	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	2.0°C scenario (95th percentile)	N/A	Yes. Overshoots in 2005. Does not return to 1.5°C	Yes	N/A	N/A	210,5	2.05C in 2200	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	2.0°C scenario (5th percentile)	N/A	Yes. Overshoots in 2060. Does not return to 1.5°C	Yes	N/A	N/A	75	1.94°C in 2200	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	RCP8.5 (50th percentile)	N/A	Yes. Overshoots in 2035. Does not return to 1.5°C	Yes	N/A	N/A	238,3	6.87°C in 2200	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	RCP8.5 (95th percemtile)	N/A	Yes. Overshoots in 2005. Does not return to 1.5°C	Yes	N/A	N/A	402,4	12.01°C in 2200	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	RCP8.5 (5th percentile)	N/A	Yes. Overshoots in 2045. Does not return to 1.5°C	Yes	N/A	N/A	152,3	4.97°C in 2200	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	1.5°C scenario (50th percentile)	N/A	No	Yes	N/A	N/A	137,6	1.46°C in 2300	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	1.5°C scenario (95th percentile)	N/A	No	Yes	N/A	N/A	233,2	1.54°C in 2300	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	1.5°C scenario (5th percentile)	N/A	No	Yes	N/A	N/A	83,6	1.45°C in 2300	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	2.0°C scenario (50th percentile)	N/A	Yes. Overshoots in 2040. Does not return to 1.5°C	Yes	N/A	N/A	164	1.96°C in 2300	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	2.0°C scenario (95th percentile)	N/A	Yes. Overshoots in 2005. Does not return to 1.5°C	Yes	N/A	N/A	276,5	2.04°C in 2300	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	2.0°C scenario (5th percentile)	N/A	Yes. Overshoots in 2060. Does not return to 1.5°C	Yes	N/A	N/A	100,1	1.95°C in 2300	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	RCP8.5 (50th percentile)	N/A	Yes. Overshoots in 2035. Does not return to 1.5°C	Yes	N/A	N/A	385,7	7.95°C in 2300	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	RCP8.5 (95th percemtile)	N/A	Yes. Overshoots in 2005. Does not return to 1.5°C	Yes	N/A	N/A	703,3	14.77°C in 2300	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)
People at risk from flooding	Global	(millions yr^{-1})	1995	Average of SSP1–5	1850–1900	RCP8.5 (5th percentile)	N/A	Yes. Overshoots in 2045. Does not return to 1.5°C	Yes	N/A	N/A	228,4	5.46°C in 2300	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Nicholls et al. (2018)

Risk	Region	Metric (Unit)	Baseline Time Period against Which Change Measured	Socio-Economic Scenario and Date	Baseline Global T	Climate Scenario	Transient (T) or Equilibrium (E)	Is it an Overshoot Scenario? How Long is it above 1.5°C and What is the Maximum Temperature and When?	Dynamic Model?	Projected Impact at 1.5°C above Pre-Industrial	Projected Impact at 2°C above Pre-Industrial	Projected Impact at Delta T for Defined Year (°C)	Delta T Relative to Pre-Industrial in Defined Year; Delta T(°C)	Level of Risk after Adaptation at 1.5°C	Level of Risk after Adaptation at 2°C	Type of Adaptation Modeled	Reference
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP2.6. HadGEM2-ES. Medium	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	1.3–1.4	0.6–1.0	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP2.6. HadGEM2-ES. High	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	1.4–1.5	0.6–1.1	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP2.6. HadGEM2-ES. Low	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	1.3–1.4	0.6–1.0	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP2.6. HadGEM2-ES. Medium	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	0.6–0.7	11.9–13.5	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP2.6. HadGEM2-ES. High	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	0.8–0.8	19.0–21.6	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP2.6. HadGEM2-ES. Low	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	0.6–0.7	10.4–11.1	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP4.5. HadGEM2-ES. Medium	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	1.4–1.5	0.5–1.0	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP4.5. HadGEM2-ES. High	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	1.5–1.6	0.5–1.1	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP4.5. HadGEM2-ES. Low	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	1.4–1.5	0.5–1.0	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP4.5. HadGEM2-ES. Medium	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	0.7–0.7	15.9–18.6	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP4.5. HadGEM2-ES. High	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	0.8–0.8	27.1–31.8	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP4.5. HadGEM2-ES. Low	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	6.3–6.6	13.6–15.9	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP8.5. HadGEM2-ES. Medium	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	1.4–1.5	0.7–1.2	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP8.5. HadGEM2-ES. High	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	1.5–1.6	0.7–1.3	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP8.5. HadGEM2-ES. Low	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	1.3–1.4	0.7–1.2	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP8.5. HadGEM2-ES. Medium	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	6.9–7.2	14.4–16.5	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP8.5. HadGEM2-ES. High	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	8.4–8.6	23.7–27.0	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
People at risk from flooding	Global	(millions yr^{-1})	1995	SSP1–5	Not defined	RCP8.5. HadGEM2-ES. Low	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	6.6–6.9	12.6–14.3	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP2.6. HadGEM2-ES. Medium	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	9.8–10.3	10.4–11.3	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP2.6. HadGEM2-ES. High	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	10.4–11.4	11.5–12.4	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)

Risk	Region	Metric (Unit)	Baseline Time Period against Which Change Measured	Socio-Economic Scenario and Date	Baseline Global T	Climate Scenario	Transient (T) or Equilibrium (E)	Is it an Overshoot Scenario? How Long is it above 1.5°C and What is the Maximum Temperature and When?	Dynamic Model?	Projected Impact at 1.5°C above Pre-Industrial	Projected Impact at 2°C above Pre-Industrial	Projected Impact at Delta T for Defined Year (°C)	Delta T Relative to Pre-Industrial in Defined Year; Delta T(°C)	Level of Risk after Adaptation at 1.5°C	Level of Risk after Adaptation at 2°C	Type of Adaptation Modeled	Reference
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP2.6. HadGEM2-ES. Low	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	9.6–10.6	10.1–11.0	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP2.6. HadGEM2-ES. Medium	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	47.4–53.6	152.7–2678.5	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP2.6. HadGEM2-ES. High	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	57.6–65.0	259.2–452.8	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP2.6. HadGEM2-ES. Low	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	543.3–51.1	132.8–23.6	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP4.5. HadGEM2-ES. Medium	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	10.8–11.9	10.8–11.5	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP4.5. HadGEM2-ES. High	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	11.6–12.7	12.2–12.9	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP4.5. HadGEM2-ES. Low	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	10.7–11.7	10.4–11.1	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP4.5. HadGEM2-ES. Medium	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	52.2–59.3	214.2–410.5	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP4.5. HadGEM2-ES. High	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	64.8–73.6	396.1–752.3	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP4.5. HadGEM2-ES. Low	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	49.4–56.0	180.0–345.2	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP8.5. HadGEM2-ES. Medium	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	10.1–11.1	10.9–11.8	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP8.5. HadGEM2-ES. High	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	10.8–11.9	12.2–13.1	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP8.5. HadGEM2-ES. Low	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	9.9–10.8	10.6–11.5	N/A	N/A	Risk increases, but decreases with adaptation	Risk increases, but decreases with adaptation	Dikes are upgraded as sea levels and socio-economic conditions change	Hinkel et al. (2014)
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP8.5. HadGEM2-ES. Medium	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	50.6–57.2	170.0–594.8	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP8.5. HadGEM2-ES. High	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	62.5–70.6	296.5–512.0	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
Annual sea flood costs	Global	(billions USD yr^{-1})	1995	SSP1–5	Not defined	RCP8.5. HadGEM2-ES. Low	N/A	Yes. Overshoots in 2020. Does not return to 1.5°C by 2100	Yes	48.0–54.2	145.7–252.9	N/A	N/A	Increasing (assuming no upgrade to adaptation)	Increasing (assuming no upgrade to adaptation)	Dikes in base year, then no upgrade to adaptation	Hinkel et al. (2014)
Long-term degradation of coral reefs	Global	N/A	1850–1900	N/A	N/A	Emulates the sea-level response of GCMs	N/A	The illustrative 1.5°C scenario used here does not allow for a GMT overshoot, but stays below 1.5°C over the course of the 21st century	N/A	89% [48% and 99% indicating the 66% range] and more of all global reef grid cells will be at risk of long-term degradation for a 1.5°C scenario in 2050	98% [86% and 100% indicating the 66% range] and more of all global reef grid cells will be at risk of long-term degradation for a 2.0°C scenario in 2050	N/A	N/A	N/A	N/A	Constant adaptive capacity	Schleussner et al. (2016)

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Long-term degradation of coral reefs	Global	N/A	1850–1900	N/A	N/A	Emulates the sea-level response of GCMs	N/A	The illustrative 1.5°C scenario used here does not allow for a GMT overshoot, but stays below 1.5°C over the course of the 21st century	N/A	69% [14% and 98% indicating the 66% range] and more of all global reef cells will be at risk of long-term degradation for a 1.5°C scenario in 2100	99% [85% and 100% indicating the 66% range] and more of all global reef grid cells will be at risk of long-term degradation for a 2.0°C scenario in 2050	N/A	N/A	N/A	N/A	Constant adaptive capacity	Schleussner et al. (2016)
Long-term degradation of coral reefs	Global	N/A	1850–1900	N/A	N/A	Emulates the sea-level response of GCMs	N/A	The illustrative 1.5°C scenario used here does not allow for a GMT overshoot, but stays below 1.5°C over the course of the 21st century	N/A	94% [60% and 100% indicating the 66% range] and more of all global reef grid cells will be at risk of long-term degradation for a 1.5°C scenario in 2050	100% [95% and 100% indicating the 66% range] and more of all global reef grid cells will be at risk of long-term degradation for a 2.0°C scenario in 2050	N/A	N/A	N/A	N/A	Saturation adaptive capacity	Schleussner et al. (2016)
Long-term degradation of coral reefs	Global	N/A	1850–1900	N/A	N/A	Emulates the sea-level response of GCMs	N/A	The illustrative 1.5°C scenario used here does not allow for a GMT overshoot, but stays below 1.5°C over the course of the 21st century	N/A	69% [14% and 98% indicating the 66% range] and more of all global reef cells will be at risk of long-term degradation for a 1.5°C scenario in 2100	6% [1% and 50% indicating the 66% range] and more of all global reef cells will be at risk of long-term degradation for a 2.0°C scenario in 2100	N/A	N/A	N/A	N/A	Saturation adaptive capacity	Schleussner et al. (2016)
Long-term degradation of coral reefs	Global	N/A	1850–1900	N/A	N/A	Emulates the sea-level response of GCMs	N/A	The illustrative 1.5°C scenario used here does not allow for a GMT overshoot, but stays below 1.5°C over the course of the 21st century	N/A	9% [2% and 49% indicating the 66% range] and more of all global reef grid cells will be at risk of long-term degradation for a 1.5°C scenario in 2050	39% [8% and 81% indicating the 66% range] and more of all global reef grid cells will be at risk of long-term degradation for a 2.0°C scenario in 2050	N/A	N/A	N/A	N/A	Adaptation adaptive capacity	Schleussner et al. (2016)

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Long-term degradation of coral reefs	Global	N/A	1850–1900	N/A	N/A	Emulates the sea-level response of GCMs	N/A	The illustrative 1.5°C scenario used here does not allow for a GMT overshoot, but stays below 1.5°C over the course of the 21st century	N/A	1% [0% and 2% indicating the 66% range] and more of all global reef cells will be at risk of long-term degradation for a 1.5°C scenario in 2100	1% [0% and 2% indicating the 66% range] and more of all global reef cells will be at risk of long-term degradation for a 2.0°C scenario in 2100	N/A	N/A	N/A	N/A	Adaptation adaptive capacity	Schleussner et al. (2016)
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	1.5°C ± 0.25°C in 2100 (50th)	N/A	46.12 in 2100	N/A	N/A	N/A	N/A	N/A	None	Rasmussen et al. (2018)
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	1.5°C ± 0.25°C in 2100 (95th)	N/A	69.23 in 2100	N/A	N/A	N/A	N/A	N/A	None	Rasmussen et al. (2018)
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	1.5°C ± 0.25°C in 2100 (5th)	N/A	31.92 in 2100	N/A	N/A	N/A	N/A	N/A	None	Rasmussen et al. (2018)
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	2.0°C ± 0.25°C in 2100 (50th)	N/A	N/A	48.76 in 2100	N/A	N/A	N/A	N/A	None	Rasmussen et al. (2018)
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	2.0°C ± 0.25°C in 2100 (95th)	N/A	N/A	79.65 in 2100	N/A	N/A	N/A	N/A	None	Rasmussen et al. (2018)
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	2.0°C ± 0.25°C in 2100 (5th)	N/A	N/A	32.01 in 2100	N/A	N/A	N/A	N/A	None	Rasmussen et al. (2018)
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	2.5°C ± 0.25°C in 2100 (50th)	N/A	N/A	N/A	50.35 in 2100	N/A	N/A	N/A	None	Rasmussen et al. (2018)
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	2.5°C ± 0.25°C in 2100 (95th)	N/A	N/A	N/A	77.38 in 2100	N/A	N/A	N/A	None	Rasmussen et al. (2018)
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	2.5°C ± 0.25°C in 2100 (5th)	N/A	N/A	N/A	33.33 in 2100	N/A	N/A	N/A	None	Rasmussen et al. (2018)
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	1.5°C ± 0.25°C in 2150 (50th)	N/A	56.05 in 2150	N/A	N/A	N/A	N/A	N/A	None	Rasmussen et al. (2018)
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	1.5°C ± 0.25°C in 2150 (95th)	N/A	112.97 in 2150	N/A	N/A	N/A	N/A	N/A	None	Rasmussen et al. (2018)
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	1.5°C ± 0.25°C in 2150 (5th)	N/A	32.54 in 2150	N/A	N/A	N/A	N/A	N/A	None	Rasmussen et al. (2018)

Risk	Region	Metric (Unit)	Baseline Time Period against Which Change Measured	Socio-Economic Scenario and Date	Baseline Global T	Climate Scenario	Transient (T) or Equilibrium (E)	Is it an Overshoot Scenario? How Long is it above 1.5°C and What is the Maximum Temperature and When?	Dynamic Model?	Projected Impact at 1.5°C above Pre-Industrial	Projected Impact at 2°C above Pre-Industrial	Projected Impact at Delta T for Defined Year (°C)	Delta T Relative to Pre-Industrial in Defined Year; Delta T(°C)	Level of Risk after Adaptation at 1.5°C	Level of Risk after Adaptation at 2°C	Type of Adaptation Modeled	Reference
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	2.0°C ± 0.25°C in 2150 (50th)	N/A	N/A	61.84 in 2150	N/A	N/A	N/A	N/A	None	Rasmussen et al. (2018)
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	2.0°C ± 0.25°C in 2150 (95th)	N/A	N/A	138.63 in 2150	N/A	N/A	N/A	N/A	None	Rasmussen et al. (2018)
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	2.0°C ± 0.25°C in 2150 (5th)	N/A	N/A	32.89 in 2150	N/A	N/A	N/A	N/A	None	Rasmussen et al. (2018)
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	2.5°C ± 0.25°C in 2150 (50th)	N/A	N/A	N/A	62.27 in 2150	N/A	N/A	N/A	None	Rasmussen et al. (2018)
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	2.5°C ± 0.25°C in 2150 (95th)	N/A	N/A	N/A	126.9 in 2150	N/A	N/A	N/A	None	Rasmussen et al. (2018)
Human population exposure	Global	millions people	1875–1900	2010 population levels	N/A	Not available	T - 19-yr running average relative to 2000	2.5°C ± 0.25°C in 2150 (5th)	N/A	N/A	N/A	34.08 in 2150	N/A	N/A	N/A	None	Rasmussen et al. (2018)
Potentially inundated areas from SLR (exposure)	Global	th km^2	2006	N/A	1850–1990	MIROC-ESM RCP2.6	T	1.5°C occurs between 2010 and 2020 and temperature continues to increase	N/A	67.7–74.2	80.4–83.4	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Yotsukuri et al. (2017) (in Japanese)
Potentially inundated areas from SLR (exposure)	Global	th km^2	2006	N/A	1850–1990	MIROC-ESM RCP4.5	T	1.5°C occurs between 2010 and 2020 and temperature continues to increase	N/A	69.9–74.0	81.4–84.7	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Yotsukuri et al. (2017) (in Japanese)
Potentially inundated areas from SLR (exposure)	Global	th km^2	2006	N/A	1850–1990	MIROC-ESM RCP8.5	T	1.5°C occurs between 2010 and 2020 and temperature continues to increase	N/A	69.3–73.9	73.9–81.9	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Yotsukuri et al. (2017) (in Japanese)
Potentially inundated areas from SLR and astronomical high tides (exposure)	Global	th km^2	2006	N/A	1850–1990	MIROC-ESM RCP2.6	T	1.5°C occurs between 2010 and 2020 and temperature continues to increase	N/A	283.0–291.9	308.2–313.3	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Yotsukuri et al. (2017) (in Japanese)
Potentially inundated areas from SLR and astronomical high tides (exposure)	Global	th km^2	2006	N/A	1850–1990	MIROC-ESM RCP4.5	T	1.5°C occurs between 2010 and 2020 and temperature continues to increase	N/A	283.9–291.1	303.2–314.5	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Yotsukuri et al. (2017) (in Japanese)
Potentially inundated areas from SLR and astronomical high tides (exposure)	Global	th km^2	2006	N/A	1850–1990	MIROC-ESM RCP8.5	T	1.5°C occurs between 2010 and 2020 and temperature continues to increase	N/A	285.0–291.1	303.2–322.2	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Yotsukuri et al. (2017) (in Japanese)
Exposed population from SLR and astronomical high tides	Global	millions people	2006	SSP1,2,3	1850–1990	MIROC-ESM RCP2.6	T	1.5°C occurs between 2010 and 2020 and temperature continues to increase	N/A	48.6–65.9	72.8–77.9	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Yotsukuri et al. (2017) (in Japanese)
Exposed population from SLR and astronomical high tides	Global	millions people	2006	SSP1,2,3	1850–1990	MIROC-ESM RCP4.5	T	1.5°C occurs between 2010 and 2020 and temperature continues to increase	N/A	48.9–65.4	72.7–77.7	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Yotsukuri et al. (2017) (in Japanese)
Exposed population from SLR and astronomical high tides	Global	millions people	2006	SSP1,2,3	1850–1990	MIROC-ESM RCP8.5	T	1.5°C occurs between 2010 and 2020 and temperature continues to increase	N/A	58.9–65.8	65.3–73.6	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Yotsukuri et al. (2017) (in Japanese)
Economic damage due to SLR and astronomical high tides (Three damage function)	Global	billions USD (2005)	2006	SSP1,2,3	1850–1990	MIROC-ESM RCP2.6	T	1.5°C occurs between 2010 and 2020 and temperature continues to increase	N/A	32–54	75–133	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Yotsukuri et al. (2017) (in Japanese)

Risk	Region	Metric (Unit)	Baseline Time Period against Which Change Measured	Socio-Economic Scenario and Date	Baseline Global T	Climate Scenario	Transient (T) or Equilibrium (E)	Is it an Overshoot Scenario? How Long is it above 1.5°C and What is the Maximum Temperature and When?	Dynamic Model?	Projected Impact at 1.5°C above Pre-Industrial	Projected Impact at 2°C above Pre-Industrial	Projected Impact at Delta T for Defined Year (°C)	Delta T Relative to Pre-Industrial in Defined Year; Delta T(°C)	Level of Risk after Adaptation at 1.5°C	Level of Risk after Adaptation at 2°C	Type of Adaptation Modeled	Reference
Economic damage due to SLR and astronomical high tides (Three damage function)	Global	billions USD (2005)	2006	SSP1,2,3	1850–1990	MIROC-ESM RCP4.5	T	1.5°C occurs between 2010 and 2020 and temperature continues to increase	N/A	32–53	75–134	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Yotsukuri et al. (2017) (in Japanese)
Economic damage due to SLR and astronomical high tides (Three damage function)	Global	billions USD (2005)	2006	SSP1,2,3	1850–1990	MIROC-ESM RCP8.5	T	1.5°C occurs between 2010 and 2020 and temperature continues to increase	N/A	33–54	53–91	N/A	N/A	Increasing (no adaptation assumed)	Increasing (no adaptation assumed)	None	Yotsukuri et al. (2017) (in Japanese)