

Table SPM.1 [TABLE SUBJECT TO FINAL COPYEDIT]

Phenomenon and direction of trend	Assessment that changes occurred (typically since 1950 unless otherwise indicated)	Assessment of a human contribution to observed changes	Likelihood of further changes	
			Early 21st century	Late 21st century
Warmer and/or fewer cold days and nights over most land areas	<i>Very likely</i> {2.6} <i>Very likely</i> <i>Very likely</i>	<i>Very likely</i> {10.6} <i>Likely</i> <i>Likely</i>	<i>Likely</i> {11.3} – –	<i>Virtually certain</i> {12.4} <i>Virtually certain</i> <i>Virtually certain</i>
Warmer and/or more frequent hot days and nights over most land areas	<i>Very likely</i> {2.6} <i>Very likely</i> <i>Very likely</i>	<i>Very likely</i> {10.6} <i>Likely</i> <i>Likely (nights only)</i>	<i>Likely</i> {11.3} – –	<i>Virtually certain</i> {12.4} <i>Virtually certain</i> <i>Virtually certain</i>
Warm spells/heat waves. Frequency and/or duration increases over most land areas	<i>Medium confidence</i> on a global scale <i>Likely</i> in large parts of Europe, Asia and Australia {2.6} <i>Medium confidence</i> in many (but not all) regions <i>Likely</i>	<i>Likely</i> (a) {10.6} Not formally assessed <i>More likely than not</i>	Not formally assessed (b) {11.3} – –	<i>Very likely</i> {12.4} <i>Very likely</i> <i>Very likely</i>
Heavy precipitation events. Increase in the frequency, intensity, and/or amount of heavy precipitation.	<i>Likely</i> more land areas with increases than decreases (c) {2.6} <i>Likely</i> more land areas with increases than decreases <i>Likely</i> over most land areas	<i>Medium confidence</i> {7.6, 10.6} <i>Medium confidence</i> <i>More likely than not</i>	<i>Likely</i> over many land areas {11.3} – –	<i>Very likely</i> over most of the mid-latitude land masses and over wet tropical regions {12.4} <i>Likely</i> over many areas <i>Very likely</i> over most land areas
Increases in intensity and/or duration of drought	<i>Low confidence</i> on a global scale <i>Likely</i> changes in some regions (d) {2.6} <i>Medium confidence</i> in some regions <i>Likely</i> in many regions, since 1970 (e)	<i>Low confidence</i> {10.6} <i>Medium confidence</i> (f) <i>More likely than not</i>	<i>Low confidence</i> (g) {11.3} – –	<i>Likely (medium confidence)</i> on a regional to global scale (h) {12.4} <i>Medium confidence</i> in some regions <i>Likely</i> (e)
Increases in intense tropical cyclone activity	<i>Low confidence</i> in long term (centennial) changes <i>Virtually certain</i> in North Atlantic since 1970 {2.6} <i>Low confidence</i> <i>Likely</i> (in some regions, since 1970)	<i>Low confidence</i> (i) {10.6} <i>Low confidence</i> <i>More likely than not</i>	<i>Low confidence</i> {11.3} – –	<i>More likely than not</i> in the Western North Pacific and North Atlantic (j) {14.6} <i>More likely than not</i> in some basins <i>Likely</i>
Increased incidence and/or magnitude of extreme high sea level	<i>Likely</i> (since 1970) {3.7} <i>Likely</i> (late 20th century) <i>Likely</i>	<i>Likely</i> (k) {3.7} <i>Likely</i> (k) <i>More likely than not</i> (k)	<i>Likely</i> (l) {13.7} – –	<i>Very likely</i> (l) {13.7} <i>Very likely</i> (m) <i>Likely</i>

\* The direct comparison of assessment findings between reports is difficult. For some climate variables, different aspects have been assessed, and the revised guidance note on uncertainties has been used for the SREX and AR5. The availability of new information, improved scientific understanding, continued analyses of data and models, and specific differences in methodologies applied in the assessed studies, all contribute to revised assessment findings.