

Model	Atmosphere	Land and vegetation	Ocean and sea ice	Reference
CMIP5: CNRM-CM5	Arpege v5, T127L31 ( $\sim 1.4^\circ$ )	Surfex v5	–	Voltaire et al. (2013)
Updated: CNRM-AM-PRE6	Arpege v6, T127L91 ( $\sim 1.4^\circ$ )	Surfex v7.3	–	Michou et al. (2015)
CMIP5: MPI-ESM	ECHAM6.1, T63L47 ( $\sim 1.875^\circ$ )	JSBACH 2.0	MPIOM, GR15L40 ( $\sim 1.5^\circ$ )	Stevens et al. (2013), Jungclaus et al. (2013)
Updated: MPI-ESM	ECHAM6.3, T63L47 ( $\sim 1.875^\circ$ ) Bug fixes and recalibration of cloud processes	JSBACH 3.0 Five-layer hydrology, YASSO soil carbon model	–	Hagemann and Stacke (2015), Goll et al. (2015)
CMIP5: EC-Earth	IFS Cycle 31, T159L62 ( $\sim 1.125^\circ$ )	HTESSSEL	NEMO v2, ORCA1L42	Hazeleger et al. (2013)
Updated: EC-Earth3	IFS Cycle 36r4, T255L91 ( $\sim 0.70^\circ$ )	HTESSSEL	NEMO v3.3.1, ORCA1L46	
CMIP5: HadGEM2-ES	HadGEM2-A, N96L38 ( $\sim 1.25^\circ \times 1.875^\circ$ )	MOSES2/TRIFFID	HadGEM2-O, $\sim 1^\circ$ , L40	Martin et al. (2011), Collins et al. (2011)
Updated: HadGEM3-GC2	GA6.0, N96L85 ( $\sim 1.25^\circ \times 1.875^\circ$ )	JULES GL6.0	GO5.0 (NEMO v3.4), GSI6.0, ORCA0.25L75	Williams et al. (2015), Walters et al. (2017), Megann et al. (2014), Rae et al. (2015)