

	WRF/CMAQ	WRF/CAMx	COSMO-CLM/CMAQ	WRF/DEHM
Institute	US EPA	RAMBOLL Environ (US)	Helmholtz-Zentrum Geesthacht (Germany)	Aarhus University (Denmark)
Global meteorology	NCEP	NCEP	NCEP	ECMWF
Regional modeling system	WRF3.4/CMAQ5.0.2	WRF3.4/CAMx6.2	COSMO-CLM/CMAQ5.0.1	WRF/DEHM
Horizontal resolution	12 km	12 km	24 km	17 km
Dry deposition for ozone and tracers	Pleim and Ran (2011)	Zhang et al. (2003)	Pleim and Ran (2011)	Simpson et al. (2003)
Wet deposition for tracers	YES	NO	YES	YES
Sub-grid cloud mixing in CTMs	YES	NO	YES	YES
Parameterization for vertical turbulent mixing	ACM2 (Pleim, 2007)	<i>K</i> theory (Ramboll, 2018)	ACM2	<i>K</i> theory (Christensen, 1997)