

Operated by	Modelling system	Horizontal grid (km × km or ° lat × ° lon)	Vertical grid	Global meteo data provider	Gaseous chemistry module	References
NAGOYA, JAMSTEC, NIES	CHASER_re1	2.8° × 2.8°	32 VL up to 40 km.	ECMWF (nudging above PBL)	Sudo et al. (2002)	Sudo et al. (2002), Watanabe et al. (2011)
NAGOYA, JAMSTEC, NIES	CHASER_t106	1.1° × 1.1°	32 VL up to 40 km.	ECMWF (nudging above PBL)	Sudo et al. (2002)	Sudo et al. (2002), Watanabe et al. (2011)
ECMWF	C-IFS	Ca. 80 km	60 VL from surface to 0.1 hPa – lowest level 15 m.	IFS	CB05	Flemming et al. (2015)
MetNo	EMEP_rv4.8	0.5° × 0.5°	20 uneven layers up to 100 hpa. First layer ~ 90 m.	ECMWF IFS dedicated model run	EMEP	Simpson et al. (2012), <a href="http://emep.int/mscw/mscw_publications.html">http://emep.int/mscw/mscw_publications.html</a> , last access: 18 June 2018
Univ. Tennessee	H-CMAQ	108 km × 108 km	44 layers up to 50 hPa.	WRF	CB05	Xing et al. (2015)
Univ. Col. Boulder	GEOSCHEM-ADJOINT	2° × 2.5°	47 levels up to 0.066 hPa (bottom of the last grid).	GEOS-5	GEOS-Chem	Henze et al. (2007)
US-EPA	H.-CMAQ*	108 km × 108 km	44 lev to 50 hPa.	WRF nudged with NCEP/NCAR	CB05TUCL	Mathur et al. (2017)