

Type of CH ₄ fluxes	Temporal resolution	Spatial resolution	Total _{global} (Tg CH ₄ yr ⁻¹)	Total _{zoom} (Tg CH ₄ yr ⁻¹)	Data source
Anthropogenic – rice	Monthly, interannual	0.1°	38	32	EDGARv4.2FT2010 + Matthews et al. (1991)
Anthropogenic – others	Yearly, interannual	0.1°	320	130	EDGARv4.2FT2010
Wetland	Monthly, climatological	1°	175	29	Kaplan et al. (2006)
Biomass burning	Monthly, interannual	0.25°	12	1	GFED v4.1
Termite	Monthly, climatological	1°	19	3	Sanderson et al. (1996)
Soil	Monthly, climatological	1°	-38	-7	Ridgwell et al. (1999)
Ocean	Monthly, climatological	1°	17	3	Lambert and Schmidt (1993)
Total (Tg CH ₄ yr ⁻¹)			543	191	
Type of CO ₂ fluxes	Temporal resolution	Spatial resolution	Total _{global} (Pg C yr ⁻¹)	Total _{zoom} (Pg C yr ⁻¹)	Data source
Anthropogenic	Monthly, interannual Daily, interannual Hourly, interannual	1°	8.9	3.6	IER-EDGAR product
Biomass burning	Monthly, interannual	0.25°	2.0	0.2	GFED v4.1
Land flux (NEE)	Monthly, interannual	0.5°	-2.7	0.1	ORCHIDEE outputs from trunk version r1882
Ocean flux	Daily, interannual Hourly, interannual Monthly, interannual	4° × 5°	-1.3	0.1	NOAA/PMEL AOML product; Park et al. (2010)
Total (Pg C yr ⁻¹)			6.9	3.9	