

Table 3 - Data for contemporary budget, >2006:

Component	Historical reconstructions/ inventories	Inversions
Growth rate	Atmospheric data NOAA-ESRL	Rigby et al., 2008
Global OH	Model results (e.g., Prinn et al., 1995; Krol et al., 1998; Bousquet et al., 2005)	See table 4 +optimization
Global fires	Mouillot et al., 2006 (20 th century), EPA 2010 (wildfires)	See table 4 (+GFED, G Van der Werf +optimization)
Wetlands (drained?)	B Ringeval; EPA 2010; Kaplan 2002	See table 4 +optimization
Fossil	CDIAC, Marland et al., 2008	See table 4 +optimization
Coal mines/gas	CDIAC, Marland et al., 2008	See table 4 +optimization
Rice	<1961: C Granier; N Ramankutty; JF Soussana; B Dorim >1961: FAO; EPA 2010	See table 4 +optimization
Livestock/ruminants	<1961: C Granier; N Ramankutty; JF Soussana; B Dorim >1961: FAO; EPA 2010, CGAR	See table 4 +optimization
Geologic	Etiopie and Klusman, 2002; EPA 2010	See table 4; Etiopie and Klusman, 2002
Termites	EPA 2010	See table 4 +optimization
Oceans	EPA 2010	See table 4 +optimization
Hydrates	Shakova et al., 2010	See table 4 +optimization