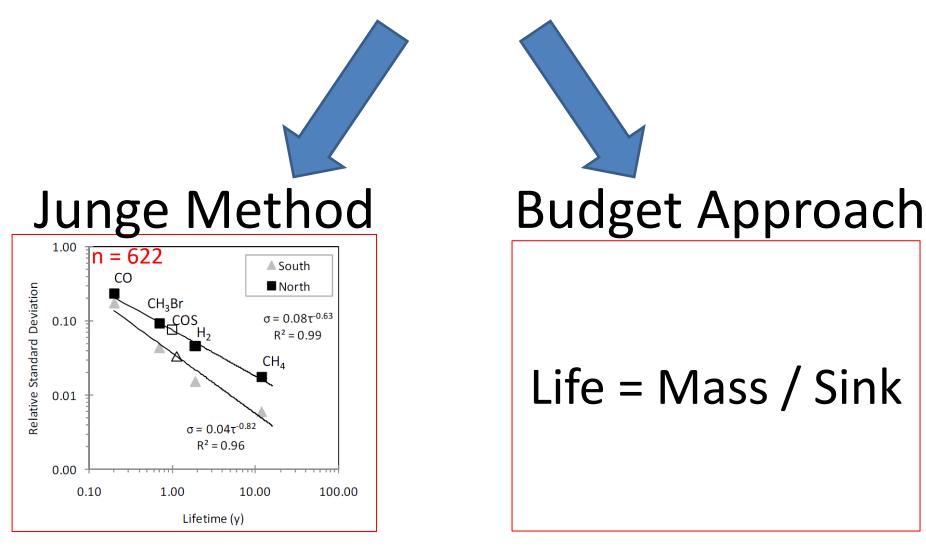
## **OCS** Lifetime



Campbell et al., Science, 2008 (supporting material)

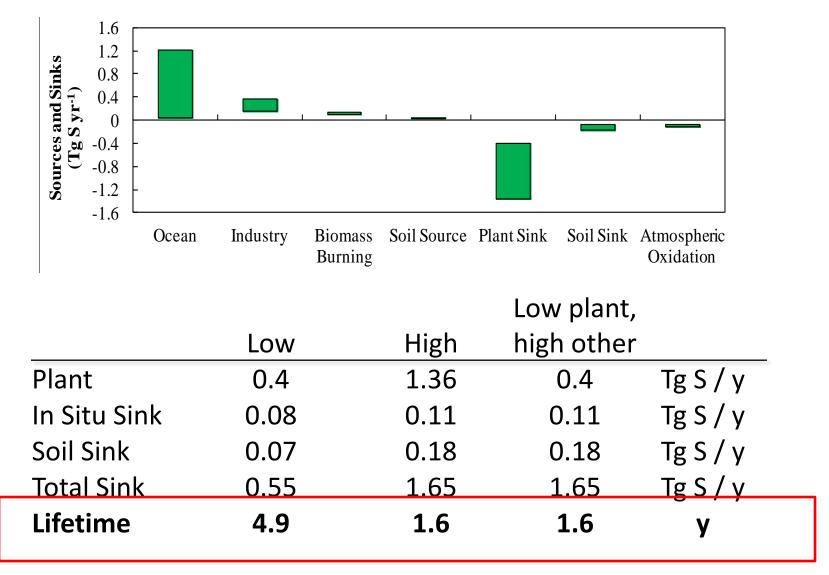


**Table S3.** COS lifetimes calculated from NOAA/ESRL global data with a range of differe inputs to the Junge analysis.

				COS
Junge Input Variables				Lifetime (
	Compound			
Compounds	Lifetime <sup>1</sup>	Variability	Sampling Sites	
CO, CH4, H2, CH3Br	Total	Standard	Northern	1.0
		Deviation	Hemisphere	
CO, CH4, H2, CH3Br, HCFC-22	Total	Standard	Northern	1.0
		Deviation	Hemisphere	
CO, CH4, H2, CH3Br, HCFC-22,	Total	Standard	Northern	1.3
H1211		Deviation	Hemisphere	
CO, CH4, H2	Total	Standard	Northern	1.2
		Deviation	Hemisphere	
CO, CH4, H2, CH3Br	Total	Standard	Southern	1.1
со, сн4, н со, сн4, н <b>Т</b>	0.8 -	2.3 ye	ears	1.2 2.0
H1211		Deviation	Hemisphere	
CO, CH4, H2	Total	Standard	Southern	2.3
		Deviation	Hemisphere	
CO, CH4, H2, CH3Br	Total	Seasonal	Northern	0.7
		Amplitude	Hemisphere	
CO, CH4, H2, CH3Br	OH + Soil	Seasonal	Northern	0.8
		Amplitude	Hemisphere	
CO, CH4, H2, CH3Br	Total	Seasonal	Southern	0.8
		Amplitude	Hemisphere	
CO, CH4, H2, CH3Br	OH + Soil	Seasonal	Southern	1.0
		Amplitude	Hemisphere	
H2, CH3Br, PCE, CH2Cl2,	Total	Seasonal	Southern	1.1
CH3CCl3, CH3Cl		Amplitude	Hemisphere	
U1 СU2D+ DCE СU1С11	$OU \perp Coll$	Second	Southern	1 2

Campbell et al., Science, 2008 (supporting material)

## **OCS** Lifetime



## Campbell et al., Nature, 2017