

Table S1 Emission inventories conducted in Bogotá during the period 2000-2012

Year	Included sectors	Methods*	Pollutants	Reference
2001	Industrial, mobile	US-EPA AP-42	CO, NO _x , SO _x , CO ₂	INAMCO, 2001
2002	Industrial, mobile	AIREMIS, CORINAIR, US-EPA AP-42	CO, NO _x , VOC, CO ₂	(Zárate et al., 2007)
2002	Biogenic	GloBEIS 3.2	VOC	(Cárdenas, 2012)
2004	Industrial, mobile, area	Air quality model	CO, NO _x , SO _x , PM ₁₀ , VOC, CO ₂ , CH ₄	DAMA-Uniandes, 2004
2005	Mobile	California FE	CO, NO _x , CO ₂ , N ₂ O, CH ₄	Behrentz, 2005
2005	Mobile	IVE, field work	CO, NO _x , SO _x , PM ₁₀ , VOC, CO ₂ , N ₂ O, CH ₄	(Giraldo Amaya and Behrentz, 2005)
2008	Mobile	IVE, direct measurement	CO, NO _x , PM ₁₀ , VOC, CO ₂	(Rodríguez and Behrentz, 2009)
2008	Industrial	direct measurement	NO _x , SO _x , PM ₁₀	(Fandiño and Behrentz, 2009)
2008	Industrial, mobile	EMISENS, COPERT IV, US-EPA AP-42	CO, NO _x , SO _x , PM ₁₀	(Rojas and Peñaloza, 2010)
2010	Resuspended dust	US-EPA AP-42	PM ₁₀ , PM _{2.5}	(Beltran et al., 2012)
2011	Industrial, mobile, biogenic, area (PTAR, RSDJ ^{&})	IVE, US-EPA AP-42, Megan, Landgem, Water9	VOCs	(UDEC - Universidad de Cundinamarca and SDA - Secretaría Distrital de Ambiente, 2011)
2012	Industrial, commercial, mobile, biogenic, resuspended dust, gas stations, gas storage tanks	EMISENS, COPERT IV, AP-42, MEGAN, Tanks	CO, NO _x , PM ₁₀ , VOCs, SO ₂ , CO ₂	This project

[&] PTAR: Bogotá's waste water treatment facility El Salitre; RSDJ: Bogotá's solid waste landfill Doña Juana