



Atmospheric concentration of CO<sub>2</sub>, oxygen, <sup>13</sup>C/<sup>12</sup>C stable isotope ratio in CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O recorded over the last decades at representative stations (a) CO<sub>2</sub> from Mauna Loa (MLO) Northern Hemisphere and South Pole Southern Hemisphere (SPO) atmospheric stations (Keeling et al., 2005). (b) O<sub>2</sub> from Alert Northern Hemisphere (ALT) and Cape Grim Southern Hemisphere (CGO) stations (<http://scrippsco2.ucsd.edu/> right axes, expressed relative to a reference standard value). (c) <sup>13</sup>C/<sup>12</sup>C: Mauna Loa, South Pole (Keeling et al., 2005).