

$$CO_2 = \sum_{i=1}^n \left[(RA \times C_{RA}) + (CE \times C_{CE}) + (ORE \times C_{ORE}) \right. \\ \left. + (FM \times C_{FM}) - (FEA \times C_{FEA}) - (NAM \times C_{NAM}) \right]_i \times 3.664$$