

| Study                                                        | ER <sub>CO/CO<sub>2</sub></sub><br>(×100) | ER <sub>CH<sub>4</sub>/CO<sub>2</sub></sub><br>(×1000) | ER <sub>CH<sub>4</sub>/CO</sub><br>(×1000) |
|--------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------|--------------------------------------------|
| Tropical-forest-like                                         |                                           |                                                        |                                            |
| <b>Rondônia: tropical forest<sup>1</sup></b>                 | <b>25.8 ± 0.70</b>                        | <b>9.8 ± 0.20</b>                                      | <b>38.0 ± 0.80</b>                         |
| Brazil: residual smouldering combustion of logs <sup>2</sup> | 27.5 ± 9.3                                | 39.3                                                   | 143 ± 86                                   |
| Yucatán: deforestation and crop residue <sup>3</sup>         | 7.68                                      | 8.48                                                   | 110.4                                      |
| Cerrado-like                                                 |                                           |                                                        |                                            |
| <b>Tocantins: Cerrado<sup>1</sup></b>                        | <b>6.8 ± 0.30</b>                         | <b>3.6 ± 0.03</b>                                      | <b>53.1 ± 1.60</b>                         |
| Africa: savannah <sup>4</sup>                                | 6.64 ± 2.14                               | 3.53                                                   | 53.1 ± 11.8                                |
| California: chaparral <sup>5</sup>                           | 7.13 ± 0.55                               | 6.22                                                   | 87.2 ± 2.4                                 |
| Africa: savannah <sup>6</sup>                                | 9.60 ± 3.10                               | 4.30 ± 1.70                                            | 46.0 ± 7.0                                 |
| Mixed                                                        |                                           |                                                        |                                            |
| Brazil: mix of fire types <sup>7</sup>                       | 15.4                                      | 1.2                                                    | 7.79                                       |