

# Responsible for content

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| Chapter                                                               | Contact persons                                                                                                    |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Executive Summary</b>                                              | Tobias Vosen                                                                                                       |
| <b>1 - Introduction</b>                                               | Christian Boettcher, Patrick Gniffke, Michael Kotzulla                                                             |
| <b>1.1 - Inventory Background</b>                                     | Tobias Vosen                                                                                                       |
| <b>1.2 - Institutional arrangements</b>                               | Dirk Günther, Tobias Vosen                                                                                         |
| <b>1.3 - Inventory Preparation Process</b>                            | Kevin Hausmann                                                                                                     |
| <b>1.4 - Methods and Data Sources</b>                                 | Christian Boettcher, Michael Kotzulla                                                                              |
| <b>1.5 - Key source analysis</b>                                      | Christian Mielke                                                                                                   |
| <b>1.6 - QA/QC and Verification Methods</b>                           | Stephan Schiller                                                                                                   |
| <b>1.7 - General Uncertainty Evaluation</b>                           | Kevin Hausmann                                                                                                     |
| <b>1.8 - Assessment of completeness</b>                               | Tobias Vosen                                                                                                       |
| <b>2 - Explanation of Key Emission Trends</b>                         | Tobias Vosen, Michael Kotzulla                                                                                     |
| <b>3 - Energy</b>                                                     | <b>Christian Boettcher, Kristina Juhrich, Michael Kotzulla, Sebastian Plickert (1.A.1.c)</b>                       |
| - Stationary Fuel Combustion                                          | Özge Can, Kristina Juhrich, Sebastian Plickert                                                                     |
| - Mobile Fuel Combustion                                              | Michael Kotzulla                                                                                                   |
| - Fugitive Emissions from Fuels                                       | Christian Boettcher                                                                                                |
| <b>4 - Industrial Processes and Product Use</b>                       | <b>Robert Kludt, Sebastian Plickert, Christian Lehmann, Almut Reichart, Jens Reichel</b>                           |
| - Mineral Industry (2.A)                                              | Robert Kludt                                                                                                       |
| - Chemical Industry (2.B)                                             | Jiexia Zheng, Christian Boettcher, Robert Kludt                                                                    |
| - Metal Production (2.C)                                              | Sebastian Plickert, Christian Lehmann, Jens Reichel                                                                |
| - Other Solvent and Product Use (2.D)                                 | Robert Kludt, Jens Reichel                                                                                         |
| - Other Product Use (2.G)                                             | Jens Reichel, Michael Kotzulla                                                                                     |
| - Other (Pulp & Paper, Food) (2.H)                                    | Almut Reichart (2.H.1), Uli Gromke (2.H.2)                                                                         |
| - Wood Processing (2.I)                                               | Robert Kludt                                                                                                       |
| - Production of POPs (2.J)                                            | Ulrike Döring                                                                                                      |
| - Consumption of POPs and Heavy Metals (2.K)                          | Ulrike Döring                                                                                                      |
| - Other Production: Bulk products (2.L)                               | Michael Kotzulla                                                                                                   |
| <b>5 - Agriculture</b>                                                | <b>Cora Vos &amp; Claus Roesemann (Thuenen Institute of Climate-Smart Agriculture)<sup>1)</sup>, Ulrike Döring</b> |
| <b>6 - Waste</b>                                                      | <b>Robert Kludt, Stephan Schiller</b>                                                                              |
| 5.A, 5.B, 5.D, 5.E.1                                                  | Wolfgang Butz, Ulrich Gromke, Tim Hermann, Kai Kessler, Stephan Schiller                                           |
| <b>7 - Other and natural sources</b>                                  |                                                                                                                    |
| - Open Burning of Waste (5.C.2), Building & Car Fires (5.E.2)         | Robert Kludt                                                                                                       |
| - Emissions from human re- and transpiration (6.A.1) and pets (6.A.2) | Ulrike Döring, Jana Niebuhr                                                                                        |
| - Forest Fires (11.B)                                                 | Katja Oehmichen & Wolfgang Stuemer (Thuenen Institute of Forest Ecosystems) <sup>2)</sup>                          |
| - Other Natural Sources (11.C)                                        | Jana Niebuhr, Kevin Hausmann                                                                                       |
| <b>8.1 - Recalculations</b>                                           | <b>Michael Kotzulla</b>                                                                                            |
| <b>8.2 - Improvements</b>                                             | <b>Tobias Vosen, Michael Kotzulla</b>                                                                              |
| <b>9 - Projections</b>                                                | <b>Andreas Eisold, Kevin Hausmann</b>                                                                              |
| <b>10.1 - Point Sources &amp; 10.2 - Gridded Data</b>                 | <b>Kevin Hausmann, Stefan Feigenspan, Theo Wernicke</b>                                                            |
| <b>11 - Adjustments</b>                                               | <b>Tobias Vosen (co-ordinator)</b>                                                                                 |
| <b>Appendices</b>                                                     | <b>Michael Kotzulla, Christian Mielke</b>                                                                          |

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- <sup>1)</sup> Thuenen Institute of Climate-Smart Agriculture (TI AK): <https://www.thuenen.de/en/institutes/climate-smart-agriculture>
- <sup>2)</sup> Thuenen Institute of Forest Ecosystems (TI WO): <https://www.thuenen.de/en/institutes/forest-ecosystems>