# 2.I - Wood Processing

| Category Code | Method | AD | EF |
|:---:|:---:|:---:|:---:|
| 2.I | T1 | NS | CS |

| **Method(s) applied** | | |
|:---:|:---|---|
| **D** | Default | |
| **T1** | Tier 1 / Simple Methodology * | |
| **T2** | Tier 2* | |
| **T3** | Tier 3 / Detailed Methodology * | |
| **C** | CORINAIR | |
| **CS** | Country Specific | |
| **M** | Model | |

\* as described in the EMEP/EEA Emission Inventory Guidebook - 2019, in category chapters.

| **(source for) Activity Data** | |
|:---:|:---|
| **NS** | National Statistics |
| **RS** | Regional Statistics |
| **IS** | International Statistics |
| **PS** | Plant Specific |
| **As** | Associations, business organisations |
| **Q** | specific Questionnaires (or surveys) |
| **M** | Model / Modelled |
| **C** | Confidential |

| **(source for) Emission Factors** | |
|:---:|:---|
| **D** | Default (EMEP Guidebook) |
| **CS** | Country Specific |
| **PS** | Plant Specific |
| **M** | Model / Modelled |
| **C** | Confidential |

| $NO_x$ | **NMVOC** | $SO_2$ | $NH_3$ | **$PM_{2.5}$** | **$PM_{10}$** | **TSP** | BC | CO | Heavy Metals | POPs |
|:---:|:---:|:---:|:---:|:---:|:---:|:---:|:---:|:---:|:---:|:---:|
| NA | -/- | NA | NA | -/- | -/- | -/- | NE | IE | - | - |

| | |
|:---:|:---|
| **L/-** | key source by **L**evel only |
| **-/T** | key source by **T**rend only |
| **L/T** | key source by both **L**evel and **T**rend |
| -/- | no key source for this pollutant |
| IE | emission of specific pollutant **I**ncluded **E**lsewhere (i.e. in another category) |
| NE | emission of specific pollutant **N**ot **E**stimated (yet) |
| NA | specific pollutant not emitted from this source or activity = **N**ot **A**pplicable |
| * | no analysis done |

This industrial sector essentially includes the production of chipboards. It's of minor meaning with view on emissions.

Chipboards is made from wood chips with added binders under the influence of pressure and heat. The main source of NMVOC emissions are the wood chips used, from which NMVOCs are emitted during drying due to the effect of heat. NMVOC can also be emitted from the wood and the binder during the pressing process. Chipboards are produced in about 20 plants in Germany. The chipboard industry is dominated by larger companies.

## Activity data

The activity data are taken from the national statistics [1], but must be converted from volume to mass data for further use.

Table 1: Produced amounts, in $10^6$ metric tonnes [t]

| 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|:---:|:---:|:---:|:---:|:---:|:---:|:---:|:---:|
| 4.446 | 4.402 | 4.56 | 4.703 | 4.322 | 4.489 | 4.431 | 4.776 |

# Emissions factors

The emission factors of 0.9 kg/t for NMVOC and 0.3 kg/t for PM were estimated on the basis of expert judgements.

# Recalculations

> With **activity data and emission factors remaining unrevised**, no recalculations were carried out compared to Submission 2023.

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[1] Federal Statistical Office, reporting numbers until 2018: 1621 13 131; 1621 13 133; 1621 13 163; 1621 13 500, reporting numbers from 2019: 162112001, 162112002, 162112003, 162113160, 162114190, 162114500, converted and summarised in tonnes