

5.E.2 - Other Waste: Building and Car Fires

Short description



For key source information please see the [Overview-chapter 5.E.](#)

Within NFR 5.E.2 - Other Waste: Building and Car Fires, emissions from building and car fires are reported.

Method

With a new method developed within a research project ¹⁾ a country-specific method is implemented. So now it is possible to estimate a full-scale-approach for all Buildings and the cars, additionally an estimation of waste container figure. In all cases only accidental fires are mentioned (including acts of vandalism).

Activity data

Official population statistics for Germany are applied as primary activity data. From these statistical input data, the number of fires is estimated via the following steps:

specific values for number of fires per 1,000 inhabitants, differentiated according to building, vehicle and container fires
Determination of the number of relevant fires per year in Germany in total
Differentiation of the fires according to building and vehicle fires
Differentiation of fires according to fire scale
Differentiation of building fires by building category
Conversion of different fires per year to full-scale fires per year
Transfer of the results on the number of fires in the form of number of full-scale fires per year differentiated by fire categories
In order to apply the emission factors available from the EMEP/EEA Guidebook, the annual number of building fires is differentiated for detached and undetached, apartment and industrial buildings:

Table 1: Estimated shares per building category, for 2018

¹⁾ Project leader Site: https://oekopol.de/en/archiv-en/?doc=EN_720