Open database or recipe

The first step for all three main functions is to select the raw materials which will be composed subsequently to a batch. The user can decide to select the raw materials from a database or a recipe file, cf. Figure 1. Both file types are CSV files and have the structure described in the section 'Main menu and database functions' of the Technical Documentation.
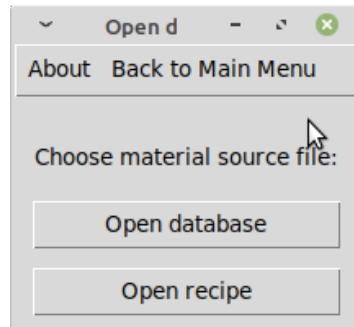

Figure 1: Select material source

The difference lies within the following procedure. After selecting a database CSV-file (Figure 2(a)), the user just selects the raw materials to be included in the batch from the list of raw materials contained in the database (Figure 2(b)). The database is meant to contain all required raw materials. The software can handle only batches composed of up to 20 raw materials, which is also checked and an error (Figure 3) returned if too many materials were selected.

(a) Choose database file

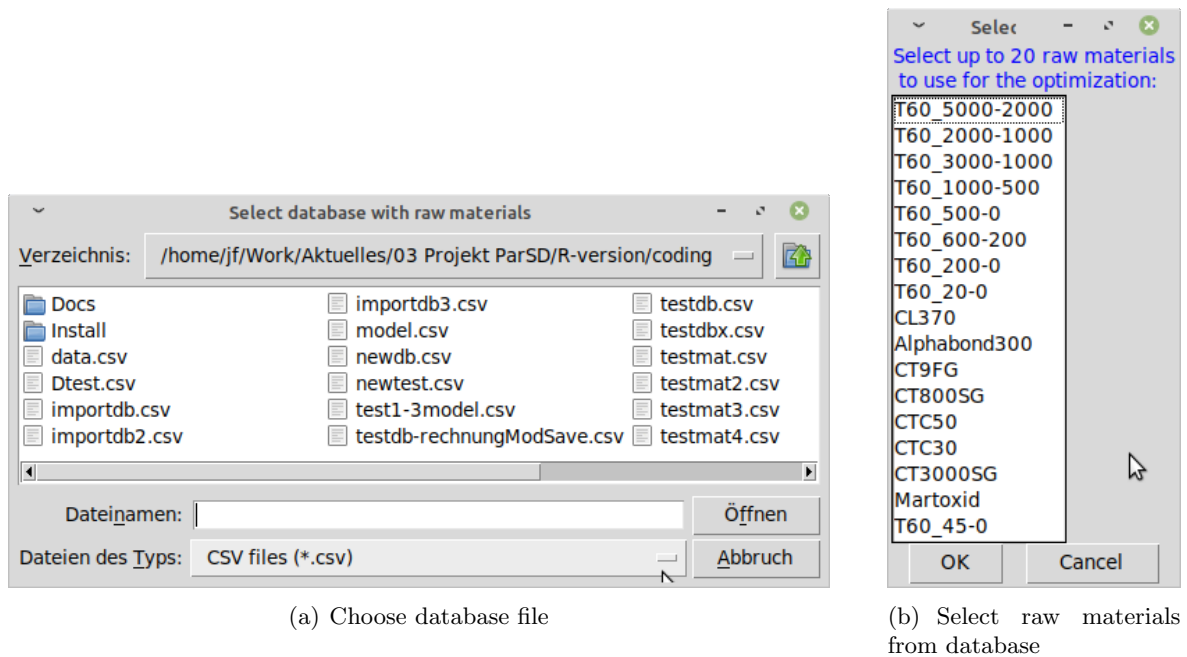(b) Select raw materials from database
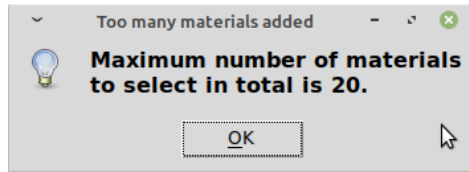
Figure 2: Select materials from database

Figure 3: Error message if maximum number of raw materials is exceeded

In contrast, if a recipe CSV-file is selected (Figure 4(a)), it is expected that this file contains most of the required raw materials but also only these. Therefore, all materials in the recipe file are pre-marked for selection and the user can de-select materials firstly (Figure 4(b)). Secondly, it is possible to add materials from another source file (Figure 5). If the user decides to add materials from another source, this source has to be chosen and then the materials to add are selected from the materials list similar to the 'Open database' procedure (cf. Figure 2). Finally, also for the number of raw materials chosen from a recipe and possibly from an additional source, the maximum number altogether is 20 which is checked and an error returned (Figure 3) if exceeded.

(a) Choose recipe file

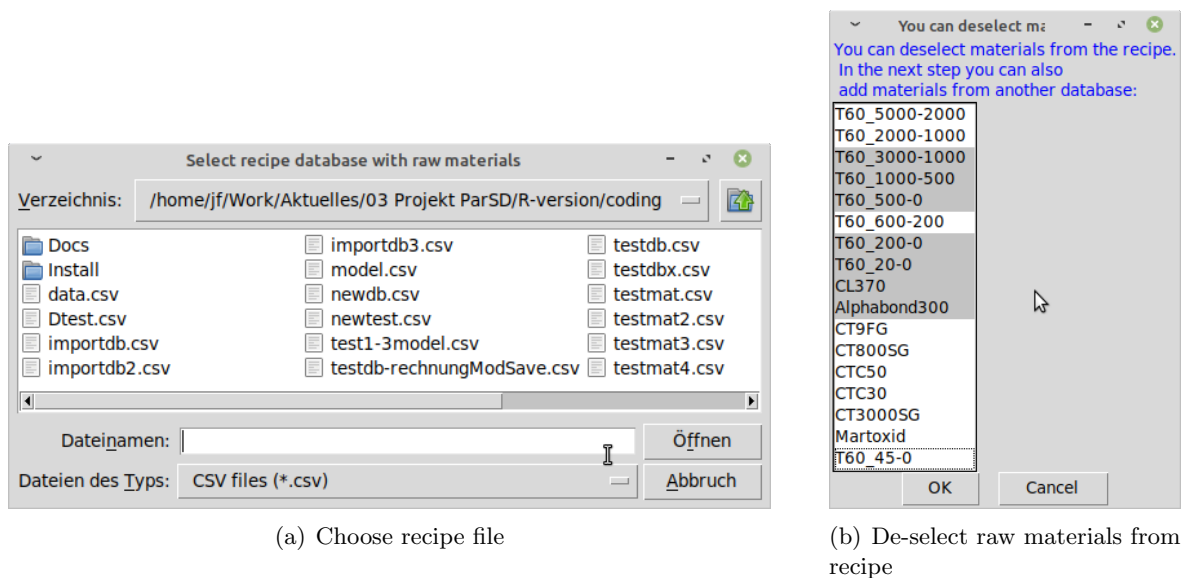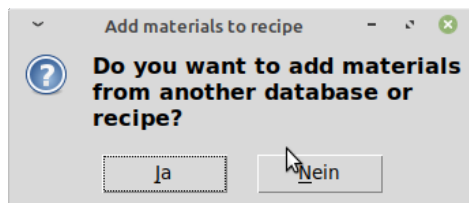(b) De-select raw materials from recipe

Figure 4: Select materials from recipe-database

Figure 5: Add materials from another source file