Using the *qbif4crest* database

There are two ways to access and use the gbif4crest calibration dataset, which are illustrated here with a simple PSE file.

```
PSE

#> Level Family Genus Species ProxyName

#> 1 1 Ericaceae <NA> <NA> Ericaceae

#> 2 2 Asteraceae Artemisia <NA> Artemisia

#> 3 2 Oleaceae Olea <NA> Olea
```

The cloud-based option (online)

The first option consists in using the default option: connecting to the online *gbif4crest*. This is the simplest option and users only have to provide the name of the database to the field dbname = "gbif4crest_02".

The SQLite3 option (offline) [only in crest v > 1.1.0]

This option is usually much faster but it requires downloading the full database in a zipped from [here]. Once unzipped, the file, which is about ~23Gb, should be saved in a location of interest.

The inclusion of the file extension 'sqlite3' is key for the package to be routed to the right option.