BIODATABASE: Loading metadata

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1- Connect to the database

```
drv <- dbDriver("PostgreSQL")
con_emotion3_local <- dbConnect(drv, user = "postgres", dbname = "emotion3", host = "localhost")</pre>
```

2- Read metadata from spreadsheet

```
ddd <- data.table(read.xlsx("../XLS/DDD_Database.xlsx", sheet = "DDD"))
### Save in temp to allow for insertion in the database
write.table(ddd, file = "/tmp/ddd.csv", row.names = FALSE, sep = "\t", na = "")</pre>
```

3- Load data dictionary design

Create or replace the metadata table

```
create.metadata.ddd <- dbSendQuery(con_emotion3_local, paste0("

DROP TABLE IF EXISTS metadata.ddd;
CREATE TABLE metadata.ddd (
entity character varying(255),
variable character varying(255),
data_type character varying(255),
unit character varying(255),
basic_checks character varying(255),
description character varying(2500),
variable_type integer,</pre>
```

Delete the contents of the metadata table

```
delete.contents.metadata.ddd <- dbSendQuery(con_emotion3_local, paste0("DELETE FROM metadata.ddd"))
```

Insert into metadata table

```
insert.metadata.ddd <- dbSendQuery(con_emotion3_local, paste0("COPY metadata.ddd FROM '/tmp/ddd.csv' WITH DELIMITER E'\\t' CBV HEADER"))
```

4- Create analysis tracers details

```
-- Connect to the database with psql
psql -d emotion3 -h localhost -U postgres
-- Save the metadata csv file
\copy (SELECT * FROM metadata.analysis_tracers_details) TO
```

```
'/home/stagiaire/Emotion3/CSV/metadata/analysis_tracers_details.csv'
WITH DELIMITER E'\t' CSV HEADER
```

5- Create fish measurements details