EDUCAT: short measurement visualization

TIP:When requesting new data or starting a new connection --> right click and select " clear all Output"

# **1.a Get measurement from database**

## 1.a.1 Connect to the database and get available measurement list

## 1.a.2 Selection of measurement:

1) Fill in an ID number.

2) Specify the date and time (empty = full measurement; see help for more):

- When only inputted a date the start time of the pulled data will be 00:00:00.

3) Specify the duration of the pulled measurement in houres.

# **1.b Get measurement from Local .mat file**

1.b.1 Show the list with the id and the name of the mat file

1.b.2 execute the import function

### **1.b.1) Show extracted m objects**

### 1.b.2) Import extracted m mat file

# 2. Filtering

# 3. Plot all measurement information

# 4. Extraction from M object to workspace variables

Remove extracted variables from workspace:

# 5. Save m object

The automatic created name is: "IDXXX\_\_m-extracted\_YYYY\_MM\_DD\_hhmmss"

(e.g. "ID547\_m-extracted\_2020\_06\_09\_093914")

*If a custom name is wanted, the name must contain "m-extracted" in order to succesfully import the variable with this script.*

# 6. Save workspace to .mat file in data folder

The automatic created name is: "IDXXX\_workspace\_instruments\_YYYY\_MM\_DD\_hhmmss"

(e.g. "ID547\_workspace\_instruments\_2020\_06\_09\_093914")

# 7. Own analysis: type your own commands

# 8. Save live script (PDF,HTML)