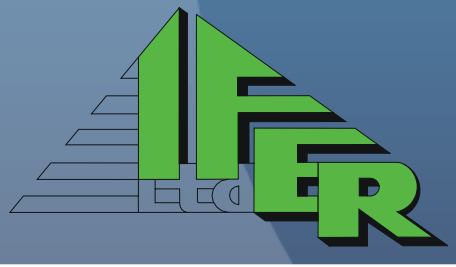
Database Query Tool



IFER – Monitoring and Mapping Solutions Ltd.

http://www.field-map.com

Database Query Tool

- Enables querying the Field-Map database

Field-Map Data Management and Data Processing Tools

- Query builder
- Check data function
- Check database integrity

- Firebird Desktop

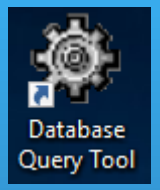
Database Query Tool

- Enables querying the Field-Map database
- Enables complex data selection
- Does not require SQL knowledge

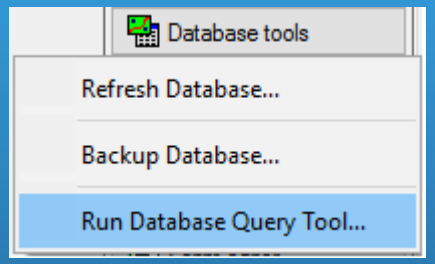
- Enables saving query results to excel
- Enables saving query results to Field-Map Navigator file

How to run DQT

- 1. Run *DatabaseQueryTool.exe*



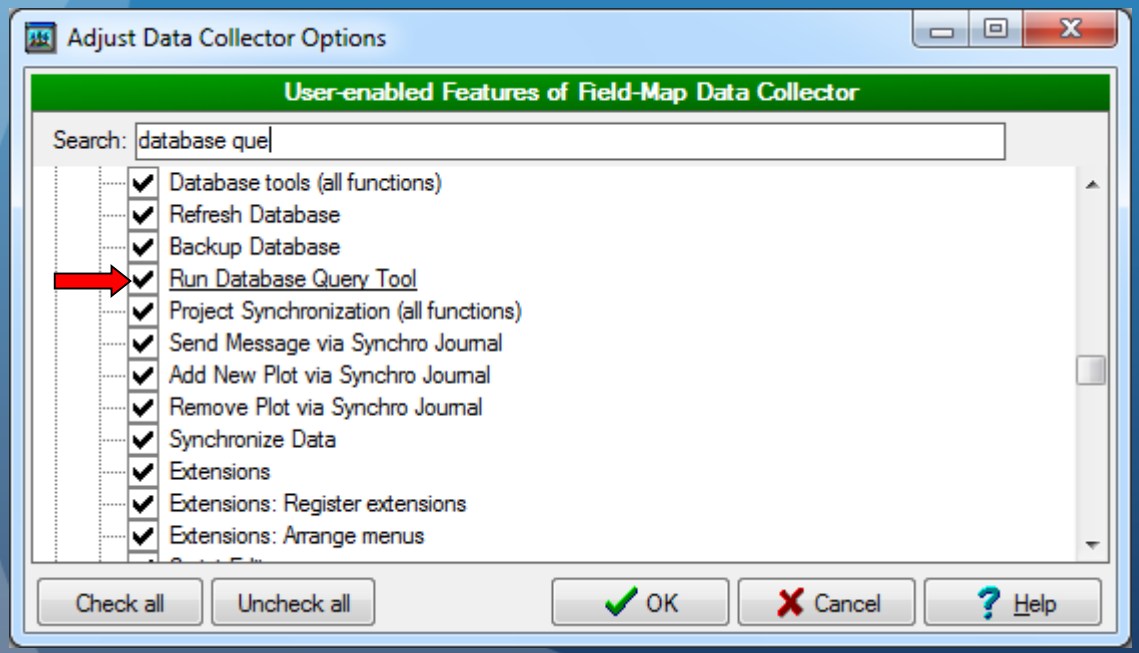
- 2. Field-Map Data Collector



- 3. Call scripting function `Project.RunDatabaseQueryTool`

DQT in Field-Map Data Collector

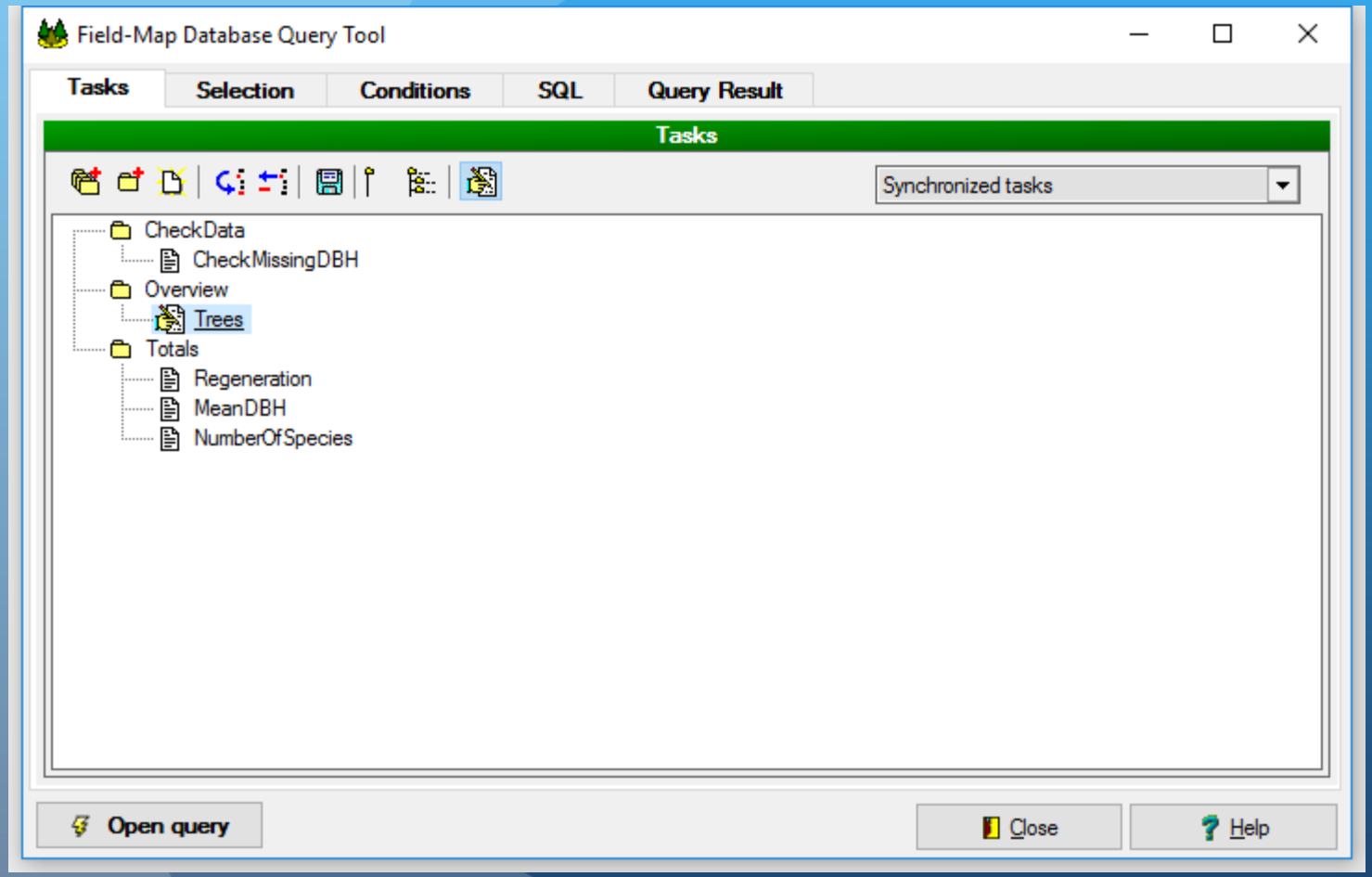
- Activate / deactivate in Field-Map Project Manager / *Adjust Data Collector Options*



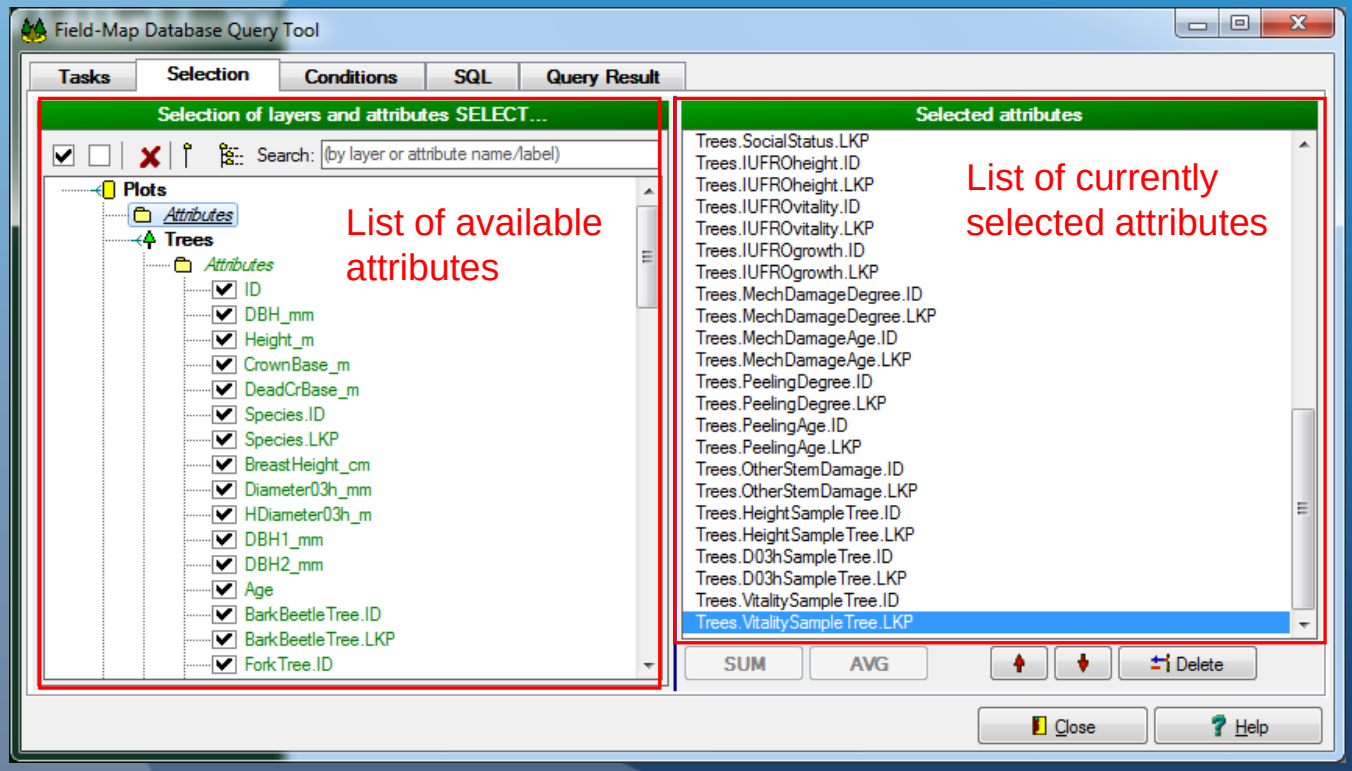
Steps to build a query

- Set up a task
- Select attributes
- Define conditions
- Preview SQL
- Inspect results

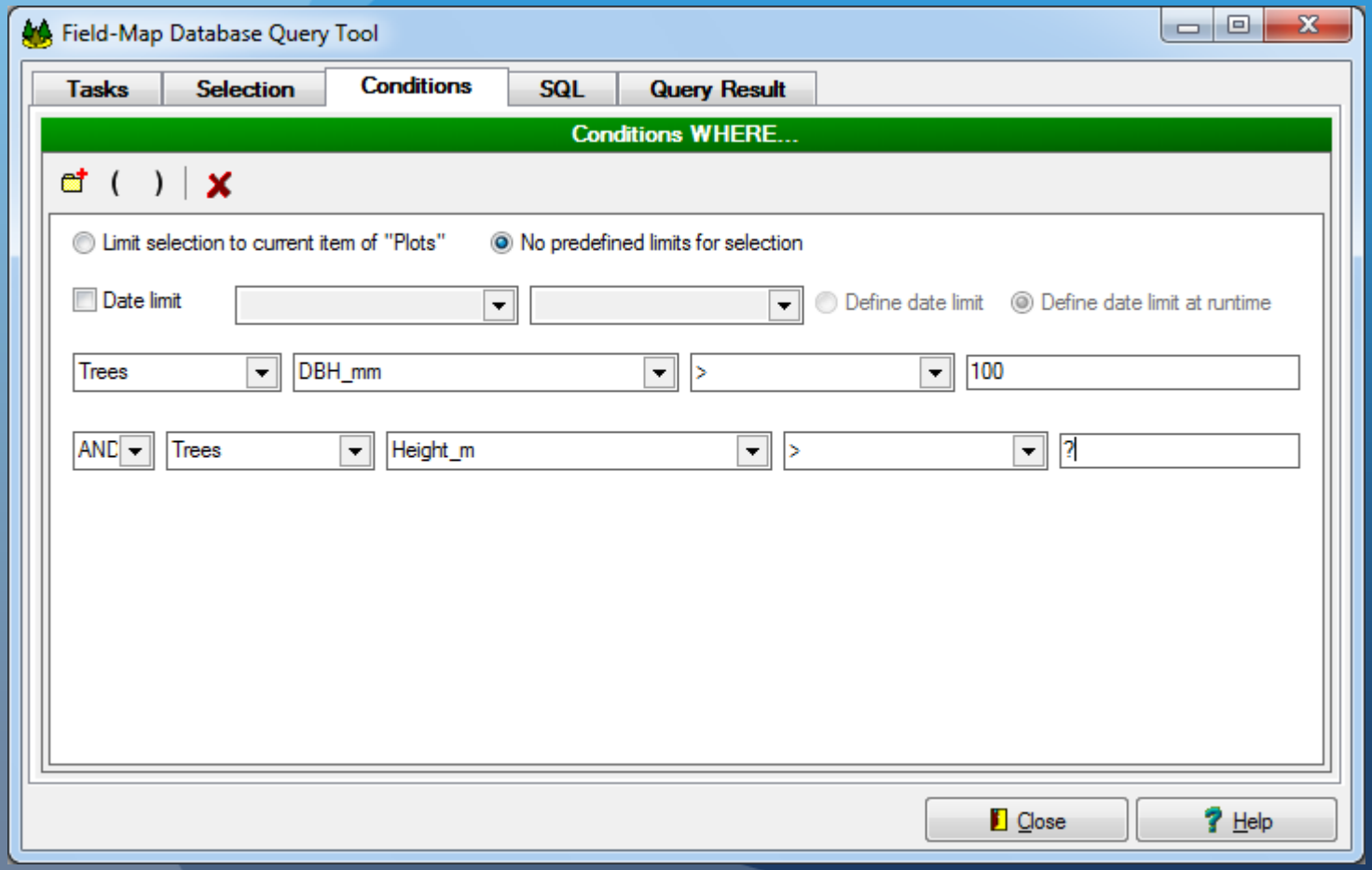
Setting up a task



Attributes Selecting



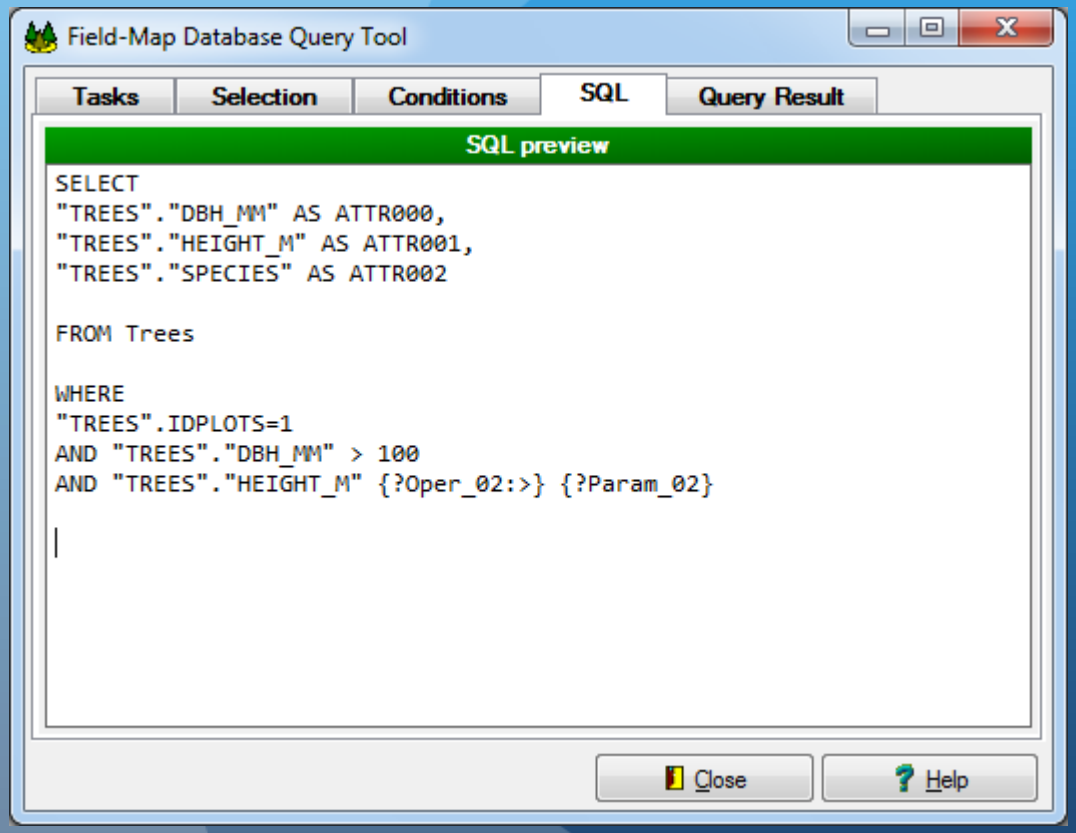
Defining conditions



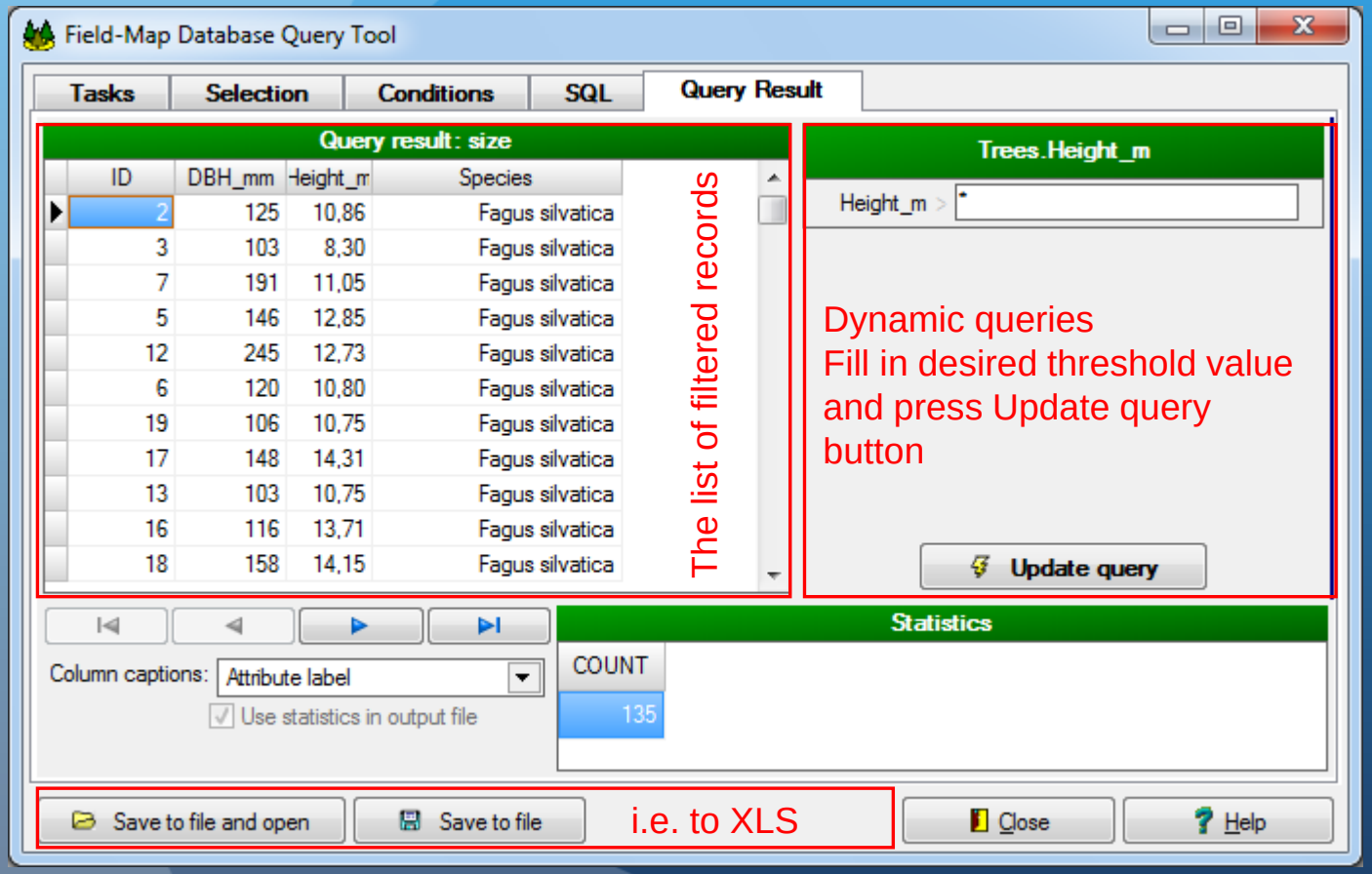
Condition possibilities

- Limit query to current plot / all plots
- Set up a date limit
- Combine more conditions (AND or OR, brackets)
- Filetring conditions (<; >; <>; >=; <=; IS NULL; IS NOT NULL)
- Dynamic quries

Sql preview

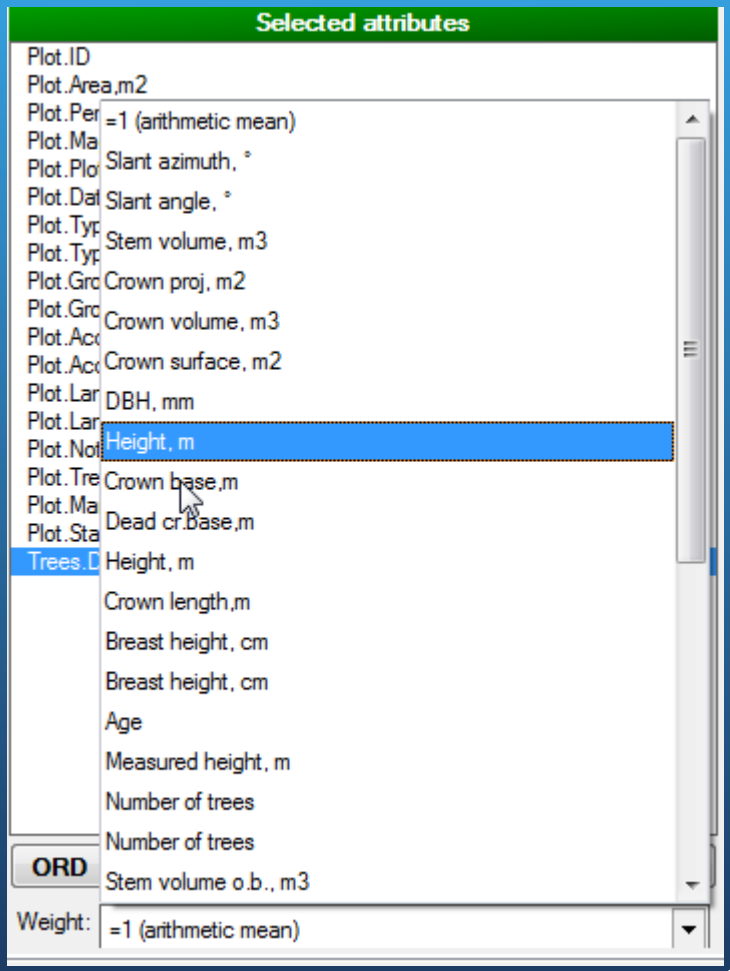

Field-Map Database Query Tool
Tasks
Selection
Conditions
SQL
Query Result
SQL preview
SELECT
"TREES"."DBH_MM" AS ATTR000,
"TREES"."HEIGHT_M" AS ATTR001,
"TREES"."SPECIES" AS ATTR002
FROM Trees
WHERE
"TREES".IDPLOTS=1
AND "TREES"."DBH_MM" > 100
AND "TREES"."HEIGHT_M" {?Oper_02:>} {?Param_02}
Close
Help

Query Result



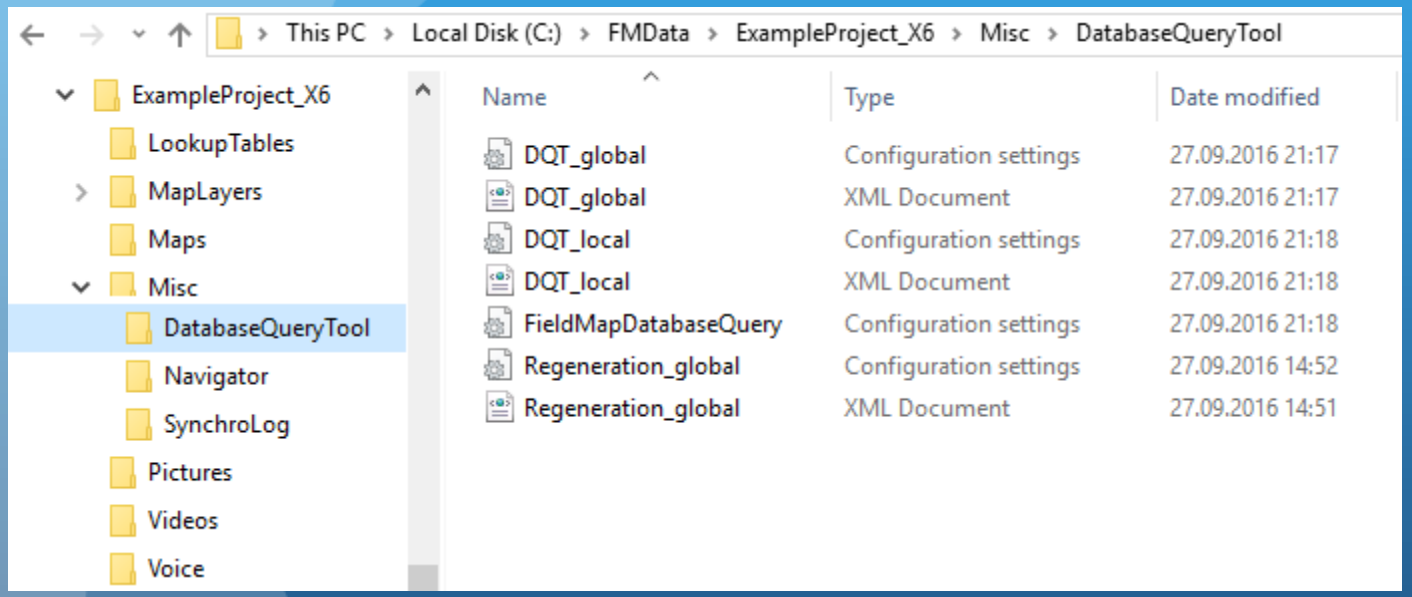
Average Calculating

- New user defined options of calculating Average
  - Arithmetic mean
  - Weighthed mean
    - All numeric attributes of specific layer are available as possible weights



Storing queries

- Project folder / Misc / DatabaseQueryTool



- Synchronized (global) and unsynchronized (local) queries

Thank you for your attention