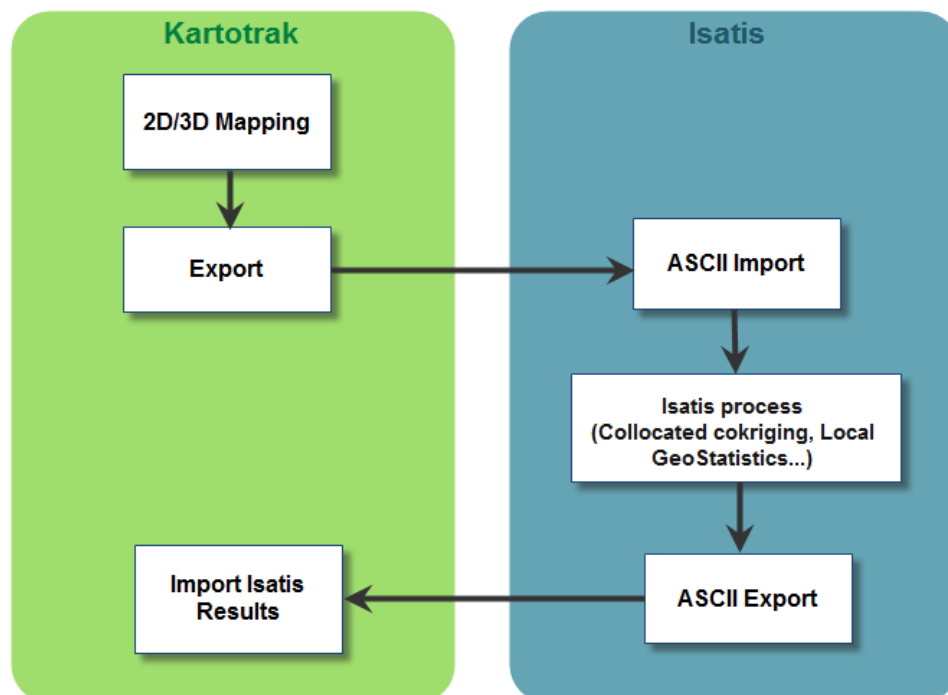



## How to exchange data between Kartotrak and Isatis

A functionality allowing the import of results from an Isatis ASCII grid file into Kartotrak is available.

The idea of this tool consists in performing a first calculation inside Kartotrak via the 2D/3D Mapping workflow. If the data require more sophisticated geostatistical tools offered by Isatis, results are exported to Isatis (to get back the grid geometry). New/updated results are then computed in the corresponding grid file to be re-imported into Kartotrak, for visualization purposes for example.



The **Import Isatis Results** functionality is reachable by selecting a result in the Zones & Results section of the 2D / 3D Project Overview and clicking on the icon . A pop up asking an ASCII file (.csv) will appear.

The file exported from Isatis should satisfy some conditions to be imported into Kartotrak:

- As the results are attached to a *zone* and to a *gridding type* (*point* or *block*), the Isatis imported grid geometry should be the same as the one existing in Kartotrak.
- The file should be exported from Isatis as a grid file (i.e. **do not store coordinates**) with the **Output Grid Sorting** defined to **+Z +Y +X**.
- You should tick the **CSV Output (Comma Separated Value)** to export the variables in variable fields by a special character, by default a comma is set as the Values Separator and a dot as the Decimal Symbol.



- You should select the **Save a Description Header** option during the Isatis export to save a description header that will make the file directly readable by the **Import Isatis** task.

ASCII File Export

☐ Save Points and Lines Files      Number of Variables: 8

Data File... Kartotrak results / Results3D blocks [Selection = None]

[R] Variable 1 = Kriging (THC)  
 [R] Variable 2 = Variance Indicator (THC)  
 [R] Variable 3 = Probability (THC): Threshold=0.25 mg/kg (dm)  
 [R] Variable 4 = Probability (THC): Threshold=46 mg/kg (dm)  
 [R] Variable 5 = Confidence Interval Width (THC): Level=90.00 %  
 [R] Variable 6 = Quantile (THC): Percentile=10.00  
 [R] Variable 7 = Block Simulation (THC)[xxxxx]  
 [R] Variable 8 = Isatis Simulations (THC)[xxxxx]

☐ Do Not Store Coordinates

☒ CSV Output (Comma Separated Value)

Value Separator: ,      Decimal Symbol: .

☒ Save a Description Header      Comment Leader: #

Undefined or Masked Sample Value:

Output Grid Sorting: +Z +Y +X

Output ASCII Filename: D:\Profile\Bureau\3Dresults\_Isatis.csv

Fault ASCII Filename: None

Export      Close

The Kartotrak existing variables are overwritten during the import task. The new ones, created in Isatis, are tagged as Isatis variables in the Variable Properties. The variable type and the display options are directly deducted from the Isatis header.

