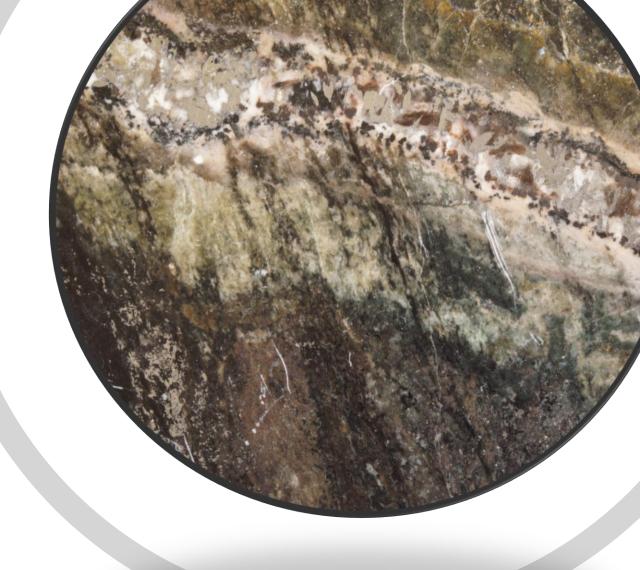




# MAP Mineral Resource Assessment Platform





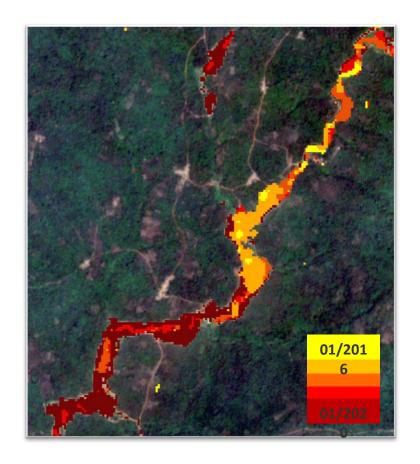


#### advangeo® 2D/3D Prediction Software

- Applications:
  - Mineral Predictive Mapping in 2D and 3D Space
  - Georisk Analyse
  - Processing and Interpretation of Remote Sensing Data
  - Time Series Analyses
- Available Machine Learning Algorithms:
  - Artificial Neural Network
  - Random Forest
  - Self-Organizing Maps
  - Weights-of-Evidence
  - Fuzzy Logic











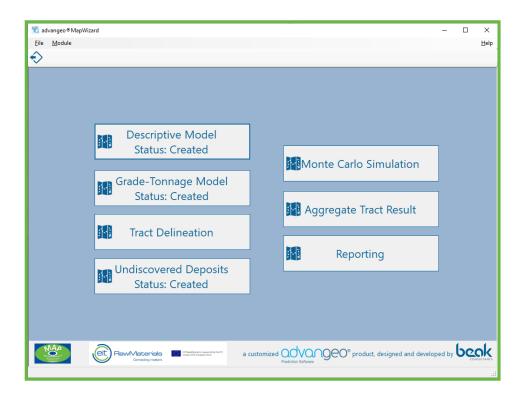




#### advangeo® MapWizard for advangeo®2D Prediction



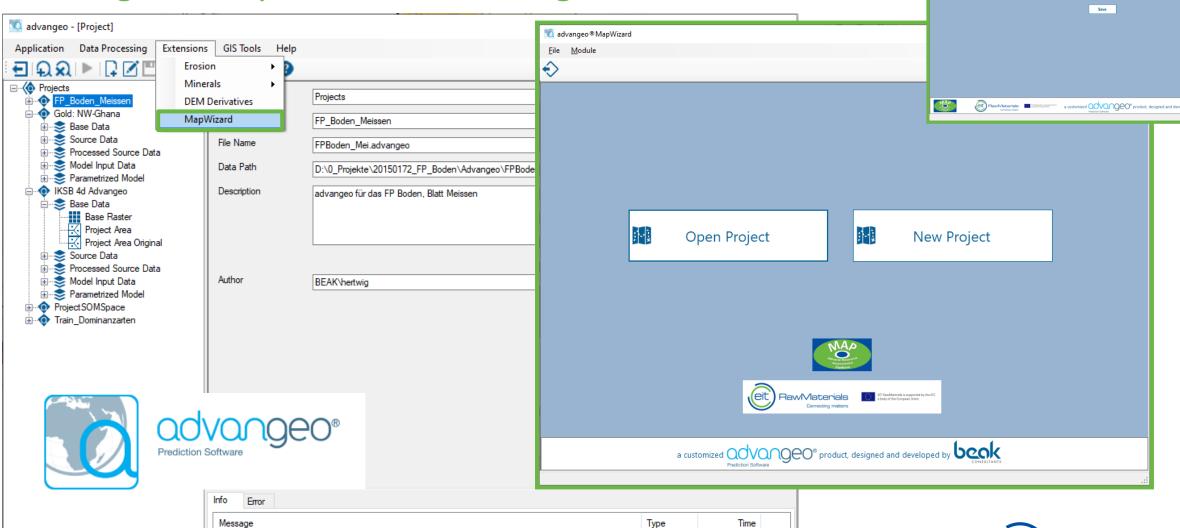
- Software Development:
  - Standalone Application
  - Assessment Tools based on MapWizard Tools of GTK (<a href="https://github.com/gtkfi/MapWizard">https://github.com/gtkfi/MapWizard</a>)
  - Connection to advangeo® 2D Prediction







## advangeo® MapWizard for advangeo®2D Prediction



Supported by: (eit)

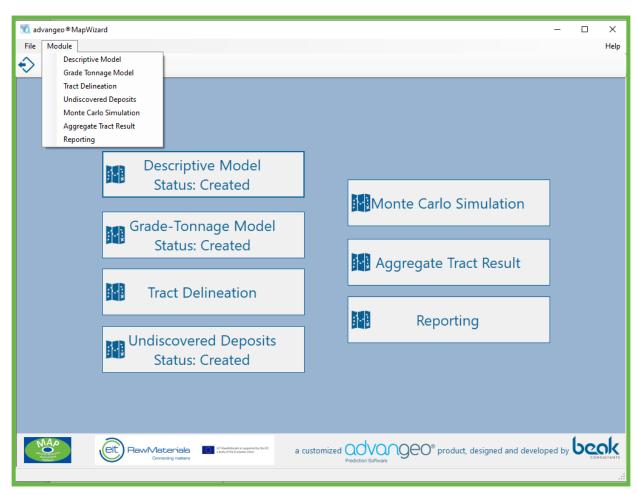


beak



## advangeo® MapWizard - Modules

- partly independent
- switching between the modules
- status information



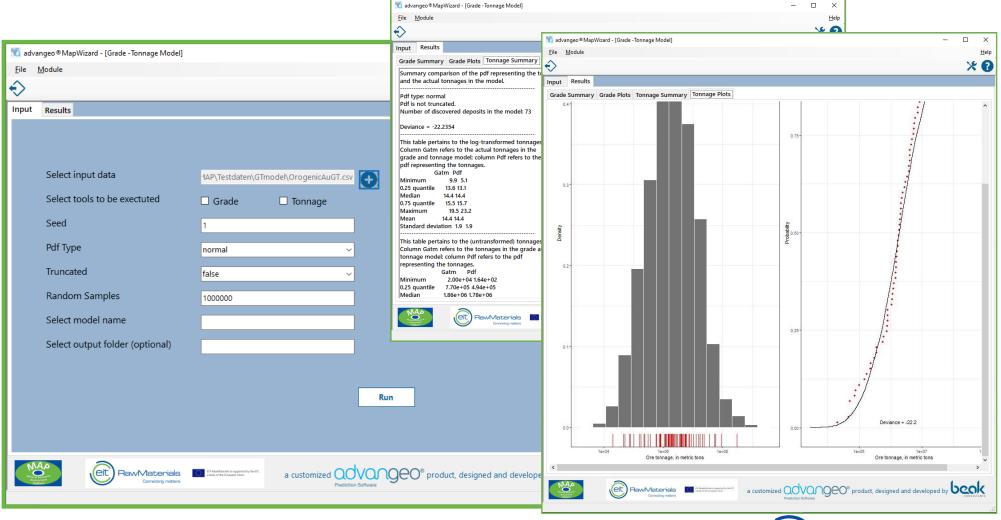






## advangeo® MapWizard – Grade-Tonnage Model

- calculation of probability density functions for grade and/or tonnage
- input: csv with id, deposit, tonnage and grades









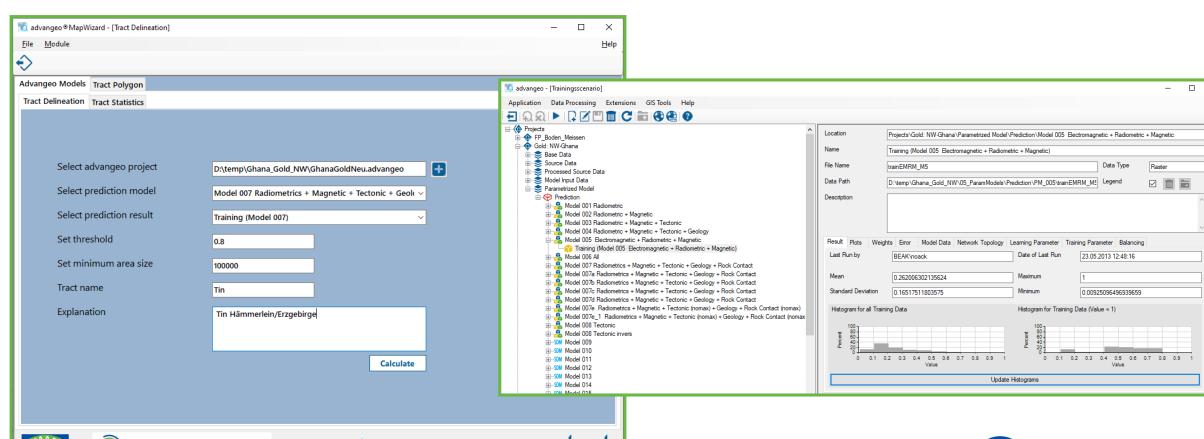


#### advangeo® MapWizard – Tract Delineation

Permissive tract definition

RawMaterials 

Of Eff Favilitativities is supported a body of the European Union



a customized QOVQQQQO® product, designed and developed by beak





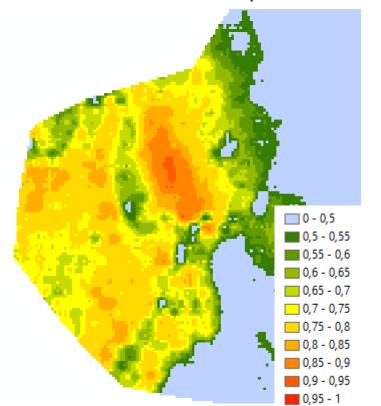


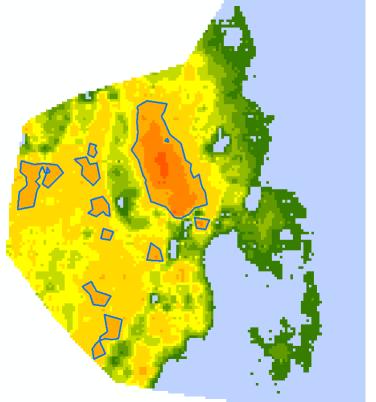
## advangeo® MapWizard – Tract Delineation

• Tract Delineation derived from advangeo® prediction model by setting:

Threshold for the binarization

Minimum area size of the permissive tracts





Permissive tracts - blue outlined

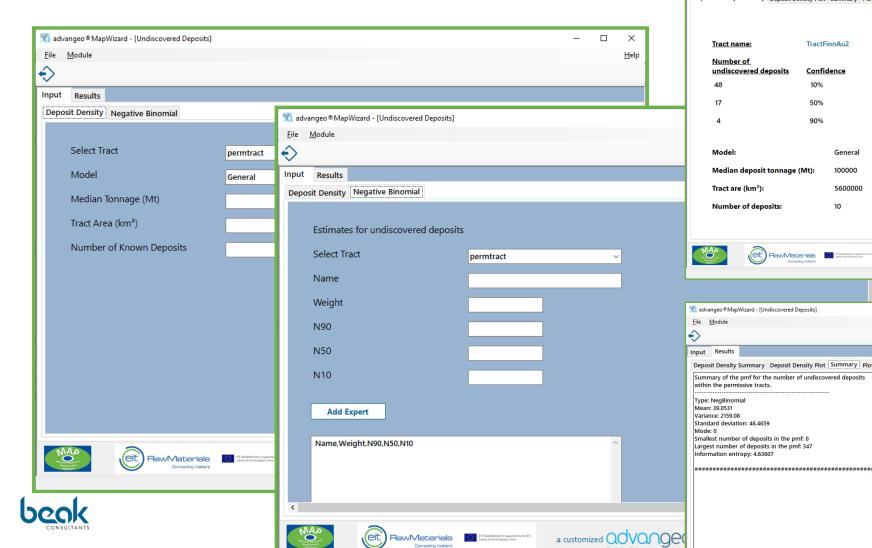


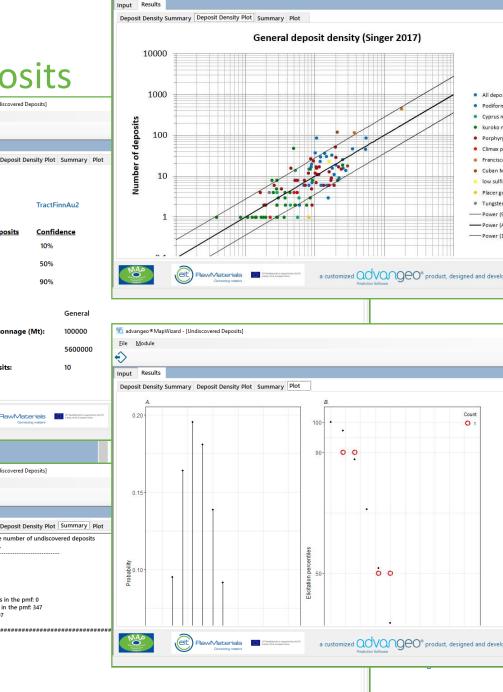




advangeo® MapWizard – Undiscovered Deposits

• Estimation of number of undiscovered deposits

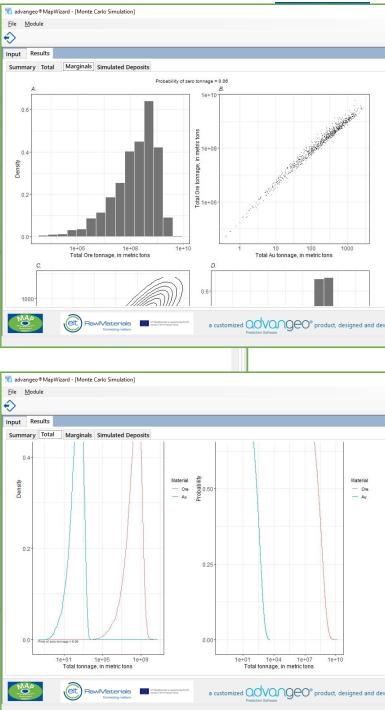




## advangeo® MapWizard – Monte Carlo Simulation

- set of simulations of undiscovered deposits
- probabilistic
   estimation of the
   amount of
   undiscovered
   mineral resources

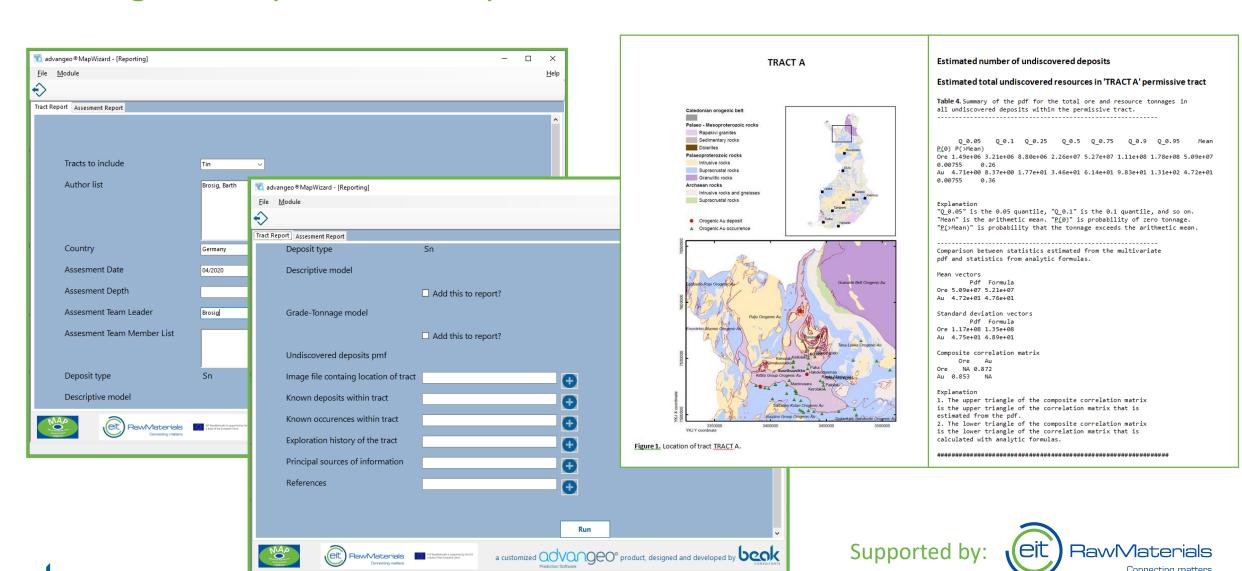








#### advangeo® MapWizard – Report Tool





## advangeo® MapWizard – Results

 First release finished, available commercially from BEAK Consultants GmbH

- Contact us for enquiries and more information about advangeo®
   Prediction and the MapWizard integration via email:
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