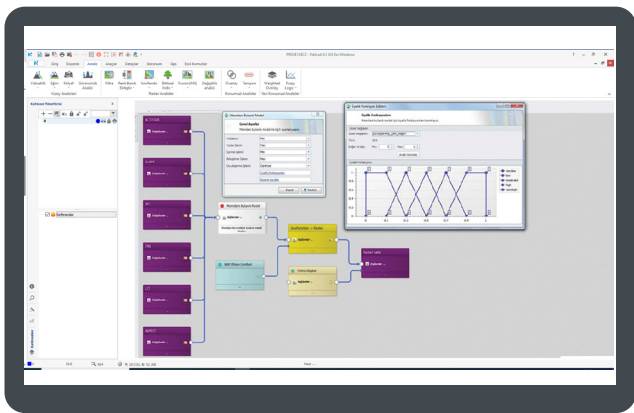




ANALIST is a Netcad application where Topographic, Hydrotopographic, Environmental, Remote Sensing and Advanced Spatial Analysis can be performed. ANALIST uses Netcad Architect and workflow engine at a large extent. The architect allows users to use Spatial, Grid, Raster and even CAD data and functions of other applications in a single workflow. The software offers unlimited possibilities. ANALIST comes with hundreds of ready-to-use workflows involving analysts from all disciplines which are known to the researchers.



Advanced Spatial Analysis

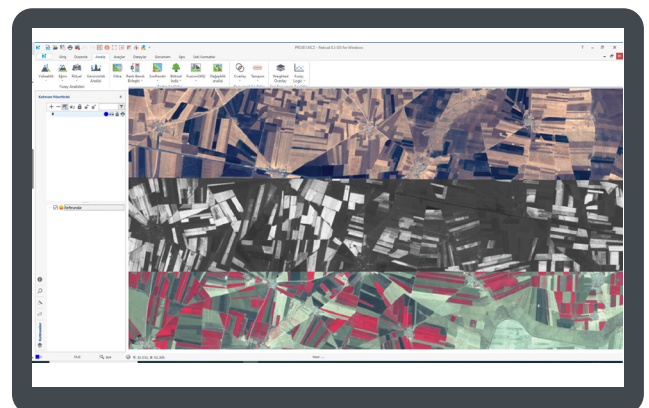
Statistical and flexible calculations such as Mamdani Fuzzy Modeling (FIS), Modified Analytic Hierarchy Process (m-AHP), Weighted Overlay, Decision Trees (DT), Artificial Neural Networks (ANN), Logistic Regression (LR) are ready-made operators and are ready-to-use models for analysis methods. The correctness of ANALIST inferences is provided by ROC Analysis (Receiver Operating Characteristic).



Image Processing and Remote Sensing Analysis

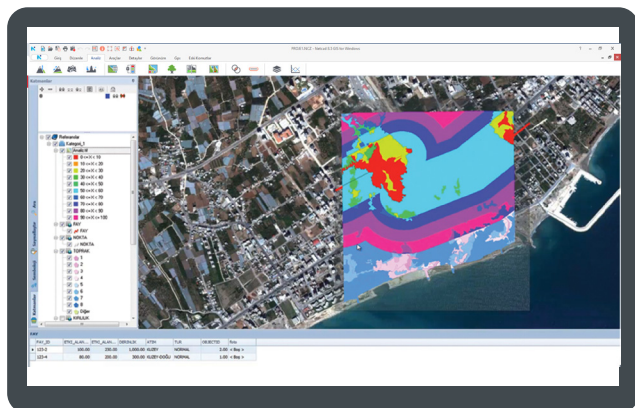
ANALIST offers the opportunity to make different analyses using satellite images and remote sensing techniques.

With ANALIST for all kinds of remote sensing projecting process, Filtering, Color Band Separation / Joining, Band Arithmetics, Controlled and uncontrolled Classification, Layer Separation, Accuracy Analyses, Plant Index, Sectoral Indices, Fusion, Color Balancing and Change Analysis, Vectorization and GeoReport Operations can easily be processed.



Spatial Analysis

Buffer and Multi Buffer, Voronoi, Overlay and Density analyzes can be performed.



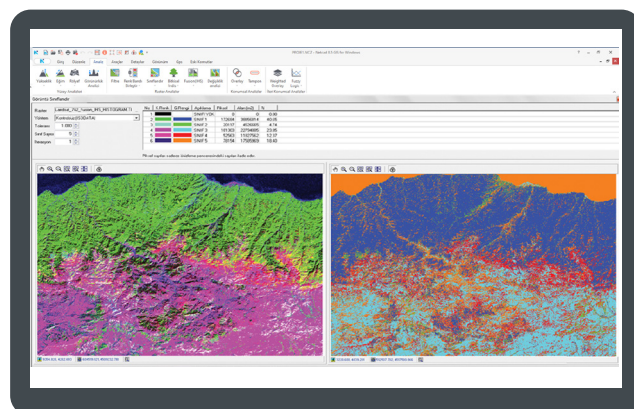
Advanced spatial analysis;

- Expert-based analysis methods such as Mamdani Fuzzy Modeling (FIS), Modified Analytic Hierarchy Process (m-AHP),
- Data-driven analysis methods such as Weighted Overlay,
- Operators for statistical analysis methods such as Logistic Regression (LR) are ready to use models.



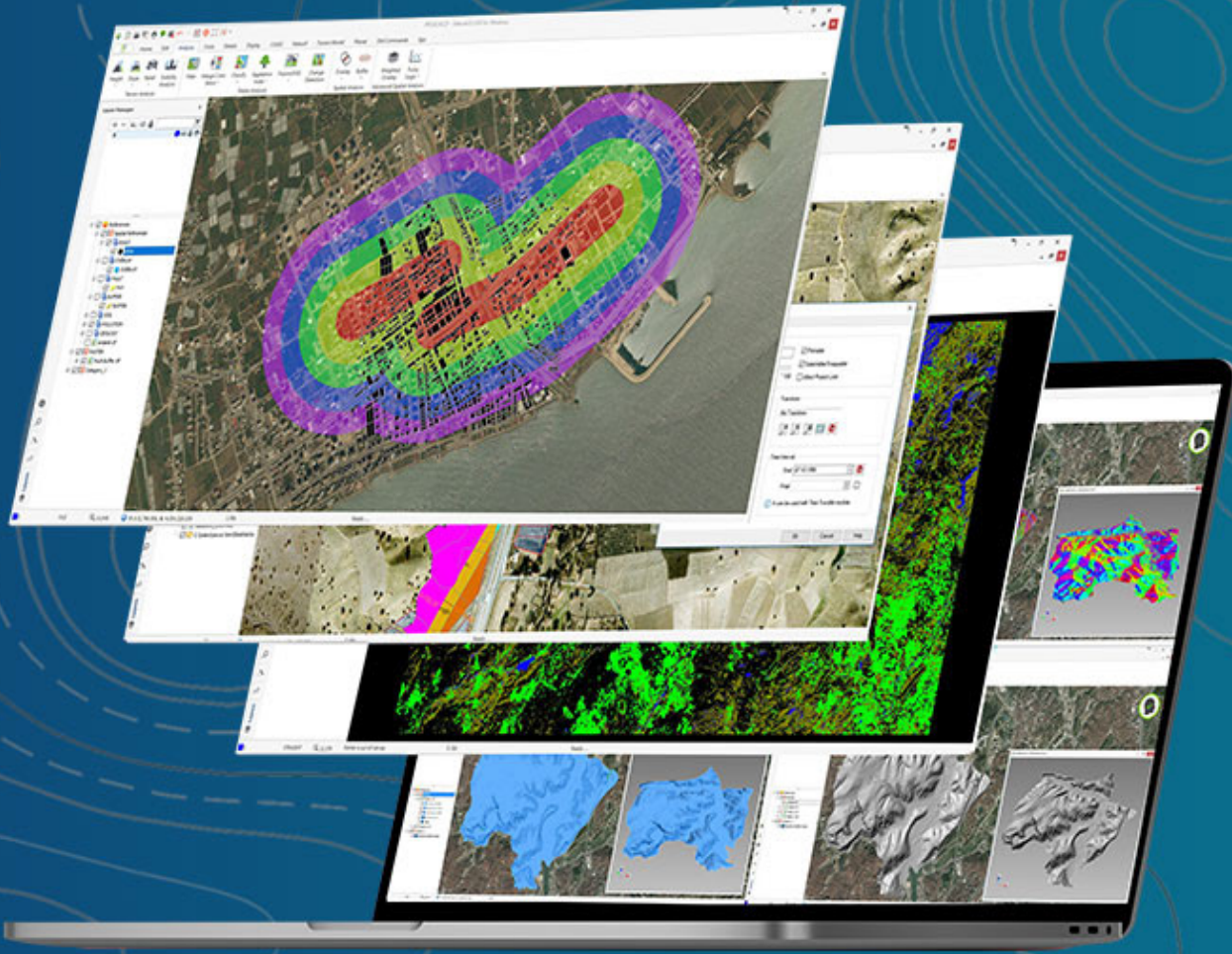
Surface Analysis

Elevation, Slope, Visibility analysis and Relief maps can be created. The Plan and Profile can be easily calculated and mapped according to different scientific methods such as Slope Gradient, Slope Orientation, Roughness, Heat Load Index, River Eradication Force, Specific Basin Area, Sedimentary Carrying Capacity Index, Topographic Moisture Index and Annual Solar Radiation.



Some ANALIST Applications

- Sensitivity, hazard and risk analysis at every scale,
- Point effect, influence and intensity analysis,
- The spatial reflections of the results of demographic and social analysis,
- Overlay analysis of the evaluation of project layers together,
- Choosing the most appropriate location for urban and rural function areas,
- All analyzes necessary for the management of intelligent cities can be done according to the desired functions,
- Various spatial analysis for landslide, avalanche, earthquake and other natural disasters,
- Decision support analysis and synthesis such as urban transformation analysis,
- Multi-hazard maps can be produced with ANALIST for different purposes.



Headquarter

Bilkent Cyber Plaza, B Blok No:409 Cyberpark, 06800 Ankara/TÜRKİYE
T: +90312 265 0510

Istanbul Region Office

Nidakule Göztepe, Merdivenköy Mah. Bora Sok. No:1 Kat:1 34732, İstanbul/TÜRKİYE
T: +90216 417 6210

bilgi@netcad.com
www.netcad.com

