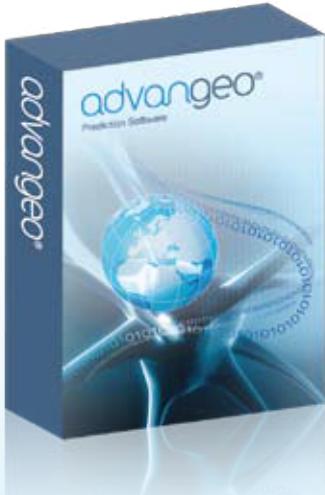


advangeo®
Prediction Software



powered by



Digging Deeper into Your Data.

Fully GIS integrated and easy to use.

System requirements:

- › Windows® 10
- › ESRI ArcGIS with last Service Pack
- › ESRI® Spatial Analyst
- › ESRI.Net-Support

advangeo® is Winner of the GDI Sachsen e.V. GIS-Award 2009.

Supported by BMWi (German Federal Ministry of Economics and Technology)

advangeo®

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Prediction Software

Prediction of Rainfall Generated Soil Erosion

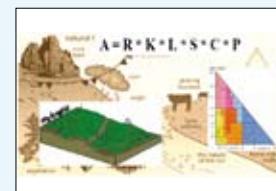


beak
CONSULTANTS

1 Source Data



&



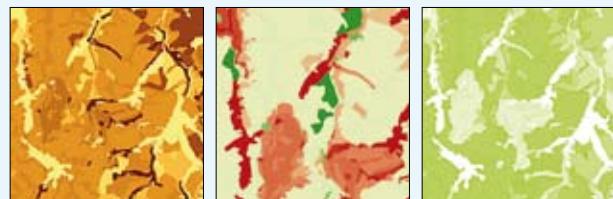
Process Features:

- Rainfall generated
- Soil Erosion & Loss
- Surface Water Pollution
- Damages to Infrastructure and Construction

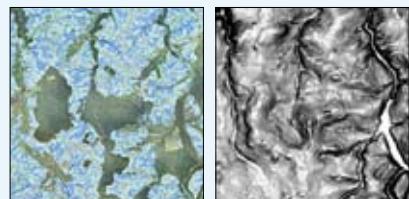
2 Model Input Data



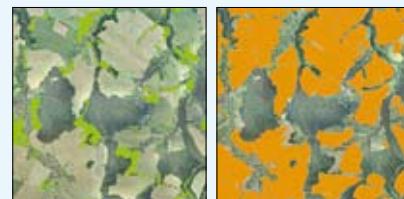
Source Data Processing



Soil Composition:
Silt, Sand, Clay, Skeleton ...



Terrain Model:
Slope, Flow Accumulation, Curvature ...

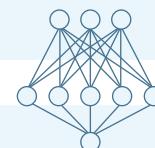


Land Use:
Cropland, Grassland, Forest ...



Training Pattern:
Known Erosion Sites

Controlling Parameters



3 Network Training



4 Validation



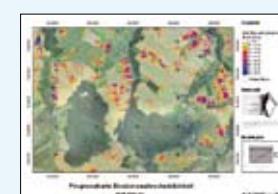
5 Model Application



Simulation of Prevention Measures:
Adding of „New“ Hedges as
Flow Barriers



6 Presentation



Map of
Erosion Probability