

BREAKTHROUGH SATELLITE DATA ANALYTICS FOR IDENTIFYING AGRICULTURAL DIFFUSE POLLUTION RISK

Photo: Copernicus Sentinel data (2015)/ESA

COMMERCIAL DECISION SUPPORT

Rezatec helps businesses make critical business decisions about their land-based assets through the analysis of increasingly sophisticated Earth Observation (EO) imagery and data. By using proprietary algorithms, machine learning and data modelling we drive profit and substantially reduce the cost of monitoring and predicting land use change and environmental risk.

With subscription-based access to our geospatial data intelligence portal, our customers benefit from regularly updated analytical insights that simply aren't possible through traditional landscape data-based reports.



Rezatec

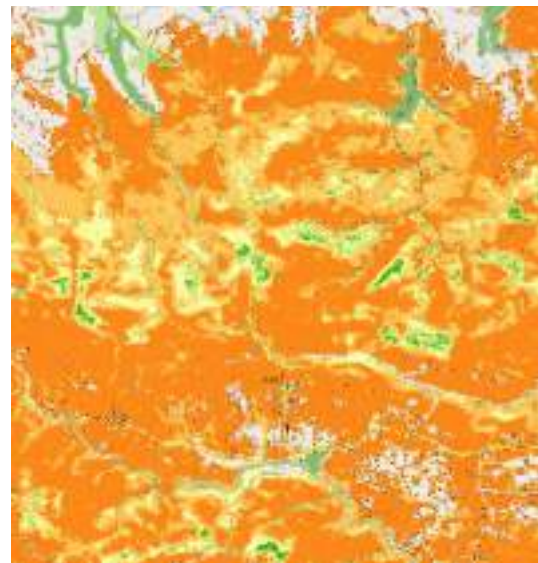
AGRICULTURAL LAND USE AND WATER

Diffuse pollution caused by agricultural use of nutrients, pesticides and herbicides is often difficult to predict and manage. To solve this problem, water companies need to map, monitor and predict the factors that cause diffuse pollution more efficiently and proactively engage with land owners to mitigate risk. When they do, they can significantly reduce the cost of water treatments downstream, improve quality compliance and achieve a wide range of other business and environmental benefits.



MAP THE RISK OF DIFFUSE POLLUTION USING ADVANCED VISUALISED EARTH OBSERVATION DATA ANALYTICS

- + Assess land use impact based on Earth Observation data using our proprietary agricultural classification database
- + Make better informed decisions based on multiple factors including crop type, estimates of nutrient and pesticide application and hydrological, topographic, soil and weather data
- + Access data visualised as interactive maps with embedded analytics, graphs and tables through our online subscription based portal



PREDICT PROBLEMS, ENGAGE WITH FARMERS AND MANAGE REMEDIATION MORE COST EFFECTIVELY

- + Identify previously unidentified hotspots of agricultural pollution
- + Predict future diffuse pollution based on the crop growth cycle and other agricultural land uses
- + Communicate easy-to-interpret information to a wide range of stakeholders including farmers
- + Scale to understand the impact of land use on unlimited catchment areas without deploying people on the ground
- + Use regularly updated analytics to formulate remediation plans, meet regulatory compliance and reduce the cost of water treatment

