

landConsult.de

International Consortium of Geo-Scientists, Landuse Planners, Forest Engineers and Computer Experts

Our Vision

landConsult is an international group of experienced academic experts with a profound expertise in landuse planning, forestry, biodiversity, remote sensing and GIS, project management, procurement and tendering. We use scientific methods, state-of-the-art-technology and field experience to solve geo-spatial problems and we are your partner to transform ideas and visions into practical solutions that work.

Our Expertise

Remote Sensing & Image Processing
 Geographic Information Systems (GIS)
 Geostatistical Analyses
 Land Use Planning & Rural Development
 Landscape Design & Modelling
 Forest Planning & Inventory
 Web Mapping & Distributed Warehousing
 Capacity Building & Training
 Research & Development

Our References

Here is a small selection of completed projects. Much more are published in detail on the landConsult web page.

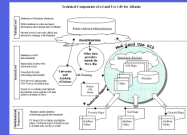


Consulting

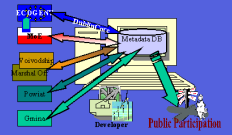
Protection and Sustainable Development of Natural Resources and Biodiversity in Bulgaria and Turkey – Concepts for a Transboundary Biosphere Reserve in the Strandja/Yildiz Mountains.



Land Use Policy in Albania – a European development project to support the sustainable and GIS based land use planning in Albania.

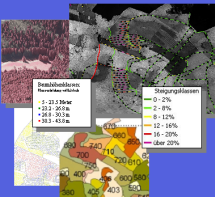


Strengthening Environmental Impact Assessment in Poland: Knowledge Management and Information Exchange Mechanisms.

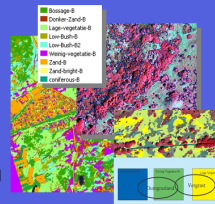


Planning

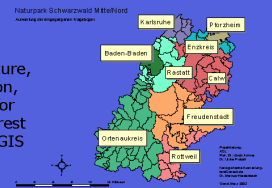
Computer Automated Detection and Measurement of Single Trees and Forest Inventory Parameters using Satellite and Airborne Colour Infrared Photos (CIR) and Laser Scanning Systems (LiDAR).



Object Based Image Classification of digital imagery in the dune project of Kraansvlak on the Dutch coast. Eight Vegetation Types had been classified automatically from digital CIR imagery.



Development of Spatial Concepts (forestry, agriculture, tourism, recreation, urban planning) for the new Black Forest Nature Park and GIS based Survey Analysis.



Training

Training on the Job: Specialised Software Courses for Definiens Developer (formerly e.cognition) using practical examples of client specific issues of different thematic fields (nature protection, forestry, urban planning, hydrology, etc.). The courses are tailored to meet your specific needs including your preferred location (we held courses in Krakow, Pretoria and Amsterdam) and dataset (we are working with state-of-the-art datasets such as LiDAR, Quickbird, SPOT, SRTM or CIR/RGB aerial imagery etc.)

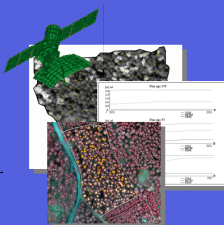


Bi-weekly Training Courses in Biodiversity, Landuse Planning and Nature Protection, GIS and Remote Sensing, Eco-Tourism and Project Planning and Implementation. Organised and held in EN, RO, and BG in Constanta and Dobrich on the Black Sea Coast.

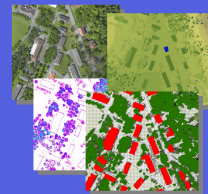


Research

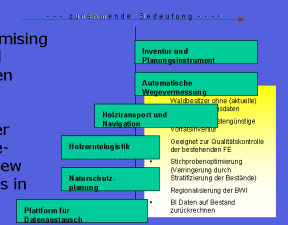
Counting Trees from Space: Computer Automated Detection and Measurement of Single Trees and Forest Inventory Parameters using Satellite Data (Multispectral and Radar) and Object Based Image Analysis (OBIA) with Definiens Developer Software



Computer Based Automatic Go/NoGo Analysis of the Surrounding to Control Autonomous Vehicles based on the analysis of digital imagery and LiDAR data.



"MatchWood: Optimising the Forestry-Wood Chain to Strengthen Sustainable Forest Management". Assessment of User Needs and Requirements related to new LiDAR Technologies in Forestry.



Our Customers and Project Partners

Waternet / Sector Onderzoek & Projecten, Amsterdam, Netherlands. CSIR Satellite Applications Centre, Pretoria, South Africa. Staatsforstbetrieb Sachsenforst, Pirna, Germany. Albert-Ludwig-University, Institute for Remote Sensing and Landscape Information Systems, Freiburg i. Br., Germany. Montgomery Watson Harza (MWH), La Hulpe / Brussels, Belgium. Balkan Software Consult srl, Bucharest, Romania. Ministry of Agriculture, Forests and Rural Development, Bucharest, Romania. ROMSILVA, State Forest Administration, Bucharest, Romania. Ministry of Agriculture and Forestry, Sofia, Bulgaria. Ministry of Regional Development and Public Works, Sofia, Bulgaria. Georgiev Consulting, Sofia, Bulgaria. BELDA Ltd., Ankara, Turkey. State Planning Organization, Ankara, Turkey. Ministry of Agriculture and Forestry, Ankara, Turkey. Ministry of Environment, Ankara, Turkey. Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ) GmbH, Eschborn, Germany. ProGea Consulting, Cracow, Poland. Ministry of Environment, Warsaw. Bayerisches Staatsministerium für Umwelt, Gesundheit und Verbraucherschutz, Munich, Germany. AGL Arbeitsgruppe für Landnutzungsplanung, Institut für ökologische Forschung, Etting-Polling, Germany. Black Forest Nature Park Administration, Seebach, Germany. International Union of Forest Research Organisation (IUFRO), Vienna, Austria. Food and Agricultural Organisation of the UN (FAO), Rome, Italy. Ministry of Environment, Tirana, Albania. StoraEnso Forestry Consulting, Helsinki, Finland. Bayerisches Staatsministerium für Landwirtschaft und Forsten, Munich, Germany. Centro de Investigación y Extensión Forestal Andino Patagónico CIEFAP, Esquel, Argentina. Ludwig-Maximilians-University (LMU), Institute for Landscape Planning and Nature Conservation, Munich, Germany.

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