

Company Presentation

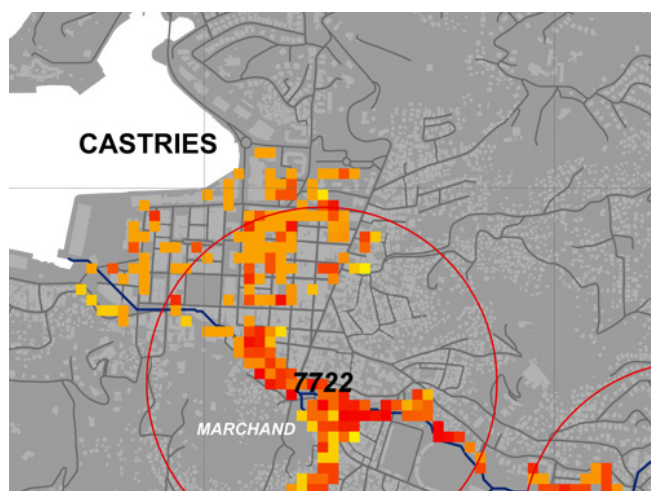
geoMinds - Geo-Solutions and Consulting was founded in 2010 providing customers with innovative and comprehensive geography- and remote sensing-referred services to face the challenges of the 21st century with effective solutions.

Transforming Ideas into Reality.

geoMinds is specialized in developing customized Geographic Information Systems (GIS). Starting with a detailed requirement assessment, we cover the entire development process including technical advisory, integrating regionally and technically applicable geodata models, implementing the GIS software tool and supporting the client's day to day work by offering individually customized software trainings and workshops. Being experienced in interdisciplinary approaches, we advise projects in the field of the international cooperation as well as privately owned and government driven projects, including both, short- and long-term international assignments.

Our consultancy services include:

- Water Resources Management
- Hydropower Potential Analysis and Site Location
- Hydro-Economic Analysis and Optimization
- Disaster Risk Assessment
- Land Cover and Land Use Analysis
- Technical Equipment Field Training
- IT- and GIS-Training



Our offer of technical services includes geoinformatics, geodata management, visualization, cartography and land surveying as well as project management and civil engineering, including hydrologic modeling, hydraulics, geological engineering, water infrastructure and network planning.



Teamwork for Success.

To provide quality services that exceed the expectations of our customers, specialists, regional experts and local staff join the team as required to cover all project-related tasks as we believe that interdisciplinary teams are the key to find comprehensive solutions. Services are offered in German, English and Spanish.

Based in Germany, geoMinds is active in Europe and countries in tropical regions, with a special focus on:

- Caribbean Region
- Latin America
- South-Pacific and Southeast Asia

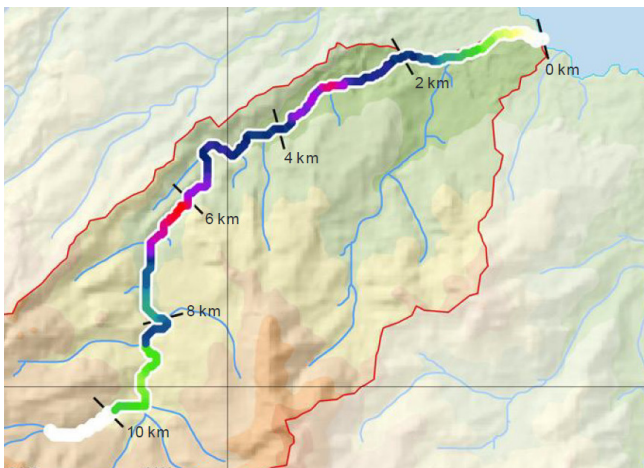
Being active in sensitive sectors, we believe that it is absolutely essential to balance all ecological, economical and socio-cultural needs of our regional partners and stakeholders as well as those of the local population. Each individual project is unique and demands extraordinary commitment, flexibility, responsibility and passion for excellence. When developing solutions for our clients, time- and cost-effectiveness are our top priorities. We grow through creativity, invention and innovation.

Providing Customers with Satisfaction.

In numerous projects in the recent years, geoMinds has proven its knowledge and experience on setting up customized GIS applications and software tools. Whether by acting as a reliable partner in larger teams or leading international and interdisciplinary projects, geoMinds was a highly recognized and valued team player especially in handling complex and challenging projects.

geoMinds has been utilizing GIS technology since 2010 and currently uses the free-of-charge software gvSIG and QGIS but in addition ArcGIS because of its wide-spread use as a platform for its GIS activities. This includes the use of digital mapping tools as well as web- and server-based GIS applications and stand-alone software tools. GIS tools are used through all project phases from data collection to field mapping, analysis, forecasting, presentation and visualization of the final results.

In 2010, geoMinds introduced the GIS software gvSIG at the Deutsche Welthungerhilfe and developed a stand-alone GIS Starter Package to introduce GIS in general and the gvSIG software in detail. The Starter Package was especially designed and customized for the needs of the Deutsche Welthungerhilfe project staff and its partner organizations in more than 30 countries worldwide.



In close relationship with several local governments, the Caribbean Renewable Energy Development Programme, geoMinds developed a GIS tool to systematically assess the hydroelectric power opportunities in the Caribbean. Taking into account the regional climatic conditions, geoMinds designed a regional run-off simulation model for tropical watersheds and a complex GIS-Terrain Analysis. The hydroMinds tool allowed government agencies for the first time to thoroughly analyze stream networks identifying new renewable energy sources.

In 2013, geoMinds supported the Government of Saint Lucia in reviewing the country's hydrometric network and setting up of an Flood Early Warning System with a broad range of IT services and training staff in using GIS technologies, setting up hydrologic models, including field training in obtaining hydrometric data. An automated and geostatistical hazard risk analysis method suitable for the island was developed and applied to assess populated areas with a high risk exposure to flood waves.



In 2015, geoMinds was engaged by one of the leading construction companies in Southeast Asia to apply the hydroMinds tool to systematically screen for new hydropower opportunities in the Lao PDR. The computer-based analysis and decision-support system was adapted to analyze the economically viable hydropower potential of entire stream networks in Southeast Asia.

The list of clients includes, among others:

- Caribbean Renewable Energy Development Programme (CREDP)
- Deutsche Welthungerhilfe e.V.
- Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)
- GFA Consulting Group GmbH
- Projekt-Consult GmbH
- PT (Sole) Company Ltd
- Sven Homscheid Hydropower + RE Consulting
- The Government of St. Lucia through the Water Resources Management Agency (WRMA)

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