



Small-Scale Mining Sector Management



Management of artisanal and small-scale mining activities generally occur outside regulatory legal and fiscal frameworks. Landfolio assists governments with managing these small-scale mining activities.

Using Landfolio to Manage Small-Scale Mining

CHALLENGES

In many countries, the artisanal and small-scale mining sector accounts for the majority of production, impacting the well-being of communities and national economies. Artisanal and small-scale mining activities range from rudimentary subsistence operations to more complex underground works with fixed installations and small processing plants. Worldwide, it is estimated that 13 – 20 million people are directly engaged in artisanal operations in over 50 countries (World Bank, EITI).

Achieving regulatory oversight of this largely informal sector presents major challenges for government agencies. These government agencies are often confronted by a lack of necessary data – both at the regional and national levels – to establish fair governance; lack of integration into the greater mining community as well as the mainstream and

local economies; and lack of appropriate health, safety, and environmental initiatives. When these systems are not present, there is a greater risk for instability, illegal practices, and conflict.

SOLUTION

Landfolio® software for natural resource applications offers an integrated mining cadastre solution which provides a coordinated, formalized approach toward the small-scale mining sector. Capable of mapping all small-scale licenses/activities, integrating license data, accepting applications, and more, Landfolio helps governments to establish fair governance in the mining sector.



BENEFITS

The following benefits are achieved by using Landfolio to manage small-scale mining:

- ▶ Small-scale miners benefit from easier tenure applications, quicker assessments, and lower costs
- ▶ Protects surrounding communities from illegal mining activities by ensuring property and mining rights are maintained while reducing conflicts among land owners
- ▶ Economic viability is improved for small-scale operations
- ▶ Increased contribution from these operations to the country's local economy
- ▶ Ensures appropriate extraction methods and technologies, health and safety standards, and environmental protection standards are used/followed

Features

- ▶ Centralised and integrated mining cadastre system caters to both large and small scale sectors
- ▶ Inclusion of small-scale license data into an integrated Mining Cadastre System
- ▶ Improved compliance monitoring of small scale operations
- ▶ Security of tenure for small scale operators
- ▶ Locate and query small scale mining areas on the e-government cadastre portal
- ▶ Model important obligations such as annual payments or renewals and improve revenue collection

About Landfolio

Landfolio software for natural resource applications is the leading workflow management solution that manages and automates key aspects of land and mineral rights management. Private and public organizations globally use Landfolio to manage their land-related business processes, obligations and compliance monitoring. Leveraging the Esri® platform, this enterprise scale software solution provides full localization support and integrates key workflows, electronic approvals and notifications to ensure regulatory compliance and consistent internal processes across an organization. In 2015, Trimble acquired Spatial Dimension and FlexiCadastre was re-branded as Landfolio software.



Trimble Land Administration Solutions

Trimble's Land Administration solutions automate and integrate land registries, cadastral mapping, and the permitting and licensing of land for governments and businesses worldwide. Through the integration of a broad portfolio of technologies, Trimble provides a fully configurable, scalable solution to help drive the efficient administration of land and its associated transactions, rights, and agreements. With deployments in over 50 countries around the world, Trimble is transforming the way land tenure is secured and land-related assets are managed.

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