



# Environmental Management and Information System for Mining Sector

---

By Paulo Junior  
Ministry of Mineral Resources of  
Mozambique



# Organization and people

## ■ Before 2003/4

- No specific environmental regulations related to mining
- No Environmental division within the mining sector

## ■ After 2004

- New Environmental Regulations for Mining activities is approved
- New Environmental division is created at National Directorate of Mines



## Purpose of the EMIS

- Facilitate environmental procedures in the mining sector to warrant the availability of technical information and data for:
  - Environmental monitoring
  - Environmental auditing
- store, manage and reference documents Ideally these should be digital,
- store and report on Environmental Surveys, on Samples and on Analyses performed



## The benefits of extending the existing Cadastral System to include Environmental procedures and actions

- The Environmental requirements are closely related with the application, granting and renewal of Mineral Title
- The Mining Cadastral System has a comprehensive GIS interface utilizing ArcGIS
- Integrating the two systems would allow cost savings in terms of existing hardware infrastructure
- Integrating the two systems would allow for a single system to support and maintain
- Integrating the two systems would allow for resource pooling between the Cadastral and Environmental departments