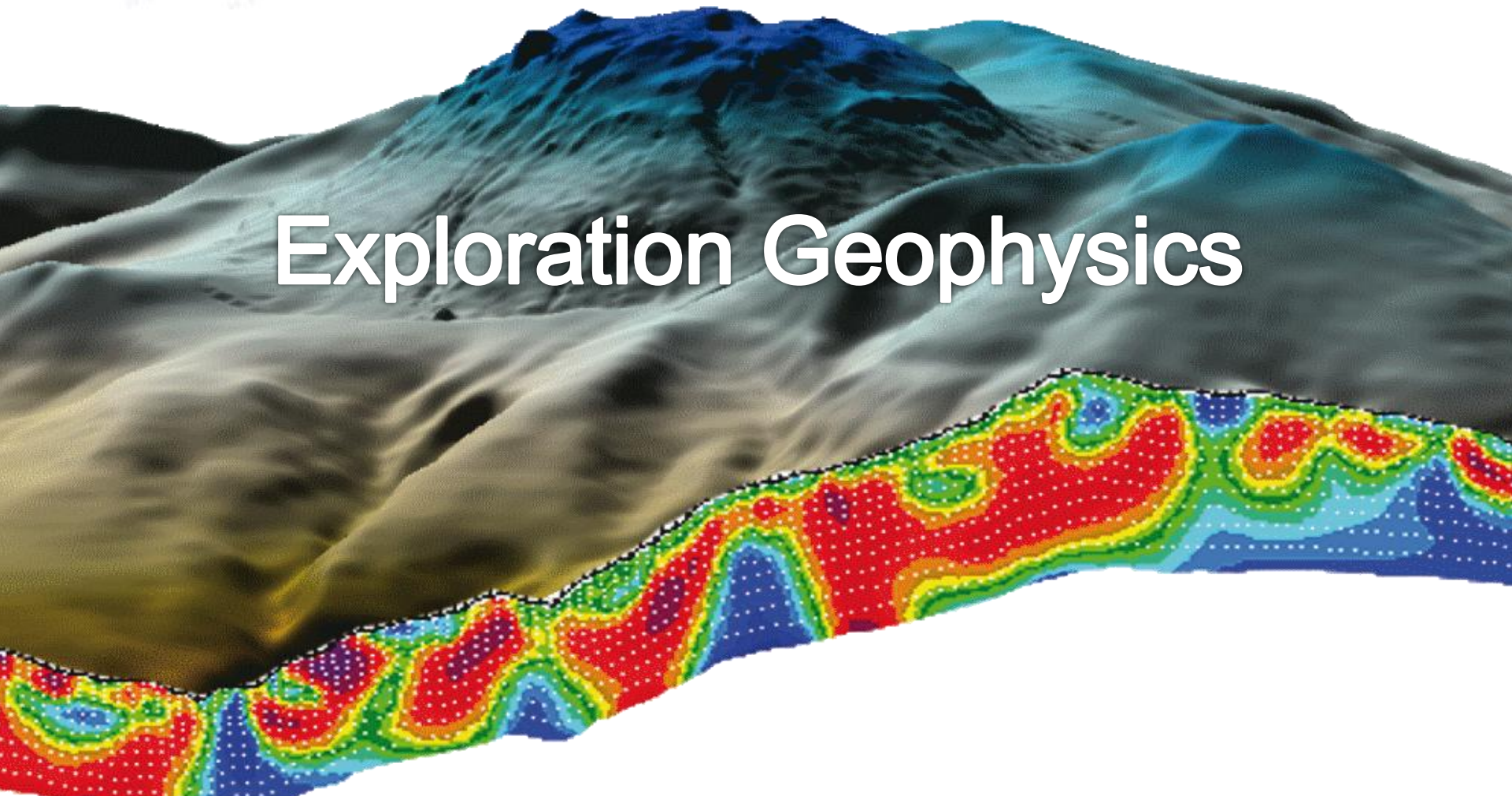




Engineering & Consulting

Exploration Geophysics



An experienced team of Geophysicists

We are an engineering and consulting firm specialized in delivering high-quality data acquisition, processing and interpretation services for practical applications in geosciences.

- Over 15 years experience
- Specialised in deep resistivity & IP for mineral & hydrocarbons prospecting
- Using the most modern equipment and latest data acquisition techniques
- Used to operate in all kind of environment: at height, hazardous sites, remote areas, underwater...etc

Client base includes:

- French and Italian Geological Survey (BRGM, IPGP, INGV)
- International Mining companies (Oil, Gold)
- United Nations Development Program
- Colorado School of Mines
- French Universities





Tailor-made geophysical services

With over 15 years experience in geophysics, we provide state of the art surveys for mining, geological, hydrological, environmental and civil engineering applications, tailored to suit our clients need.

Our expert services enable our clients companies to:

- ✧ Locate and map the extent of ore bodies
- ✧ Define pertinent drilling locations
- ✧ Upscale drilling log results at the field scale
- ✧ Optimize mining operations



Techniques

We are experts in:

1. Magnetic surveys
2. Electrical Resistivity Tomography (2 and 3D) and Induced Polarisation surveys
3. Ground Penetrating Radar

And use the latest equipment available, including Campbell Scientific© and Madgetech©



1. Magnetic Surveys

OUTPUT

A precise delineation of geological structures at the field scale

INTEREST

- ✧ Fast measurements
- ✧ High density surveys
- ✧ Large coverage with more accuracy (1 nT) than airborne surveys



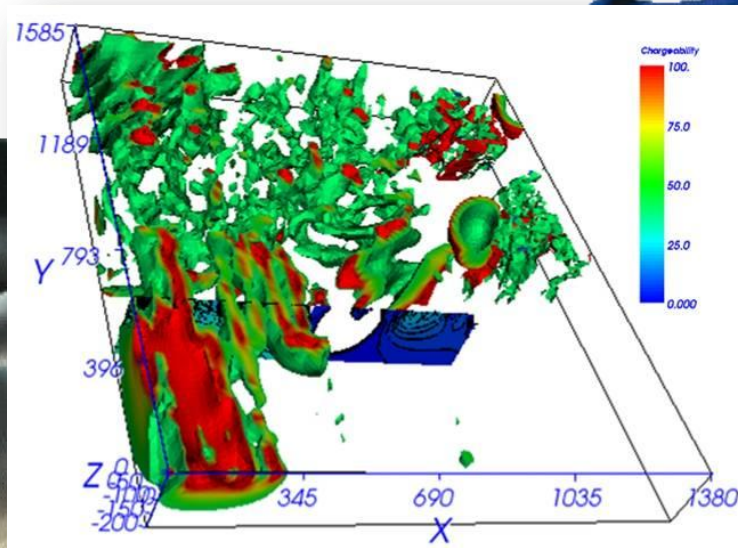
1. Magnetic Surveys



Field work in Madagascar with a mobile unit (left) and a fixed base (right) to correct daily variations of magnetic field

30.5
25.7
20.5
15.0
9.9
4.8
0.1
-3.9
-7.8
-11.4
-14.9
-18.5
-22.3
-26.4
-30.2
-33.5
-38.1
-44.9
-56.3
-66.5
-79.9
-101.3
-146.2
262.7

2. Electrical Resistivity Tomography & Induced Polarization surveys

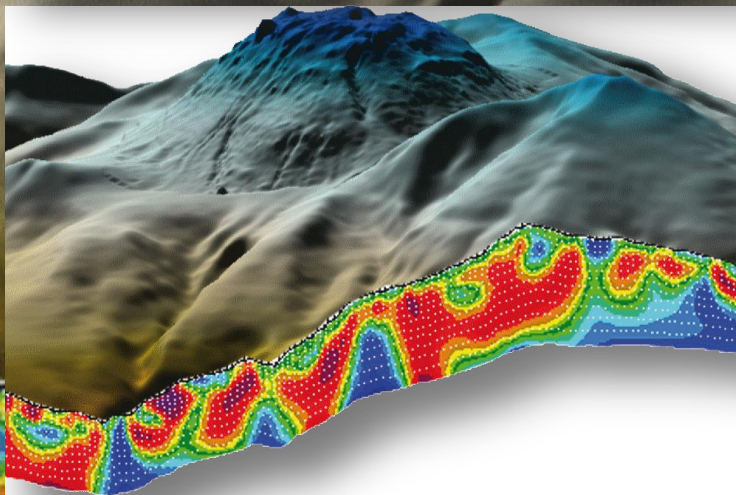


OUTPUT

- Precise 2D cross sections / 3D block maps of geological structures with depth

INTEREST

- Investigation depth from 10 to 800 m according to the target
- High-resolution surveys
- Location, delineation and study of buried deposits before drilling

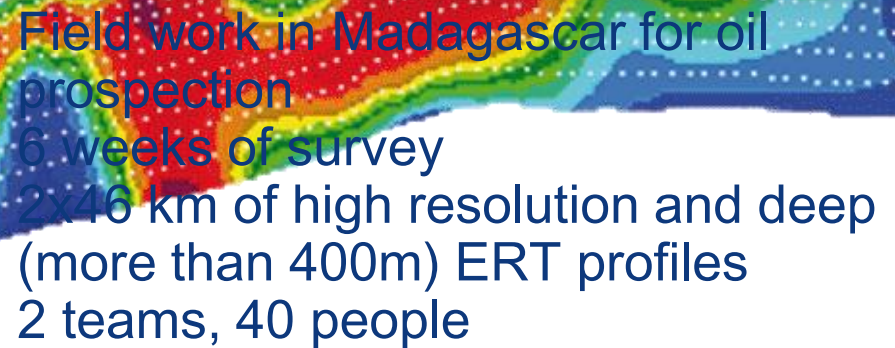


2. Electrical Resistivity Tomography & Induced Polarization surveys



Field work in Madagascar for gold prospecting
4 weeks of survey
120 km of fast ERT-IP measurements (3D)
One team, 25 people

2. Electrical Resistivity Tomography & Induced Polarization surveys



Field work in Madagascar for oil
prospection
6 weeks of survey
2x46 km of high resolution and deep
(more than 400m) ERT profiles
2 teams, 40 people

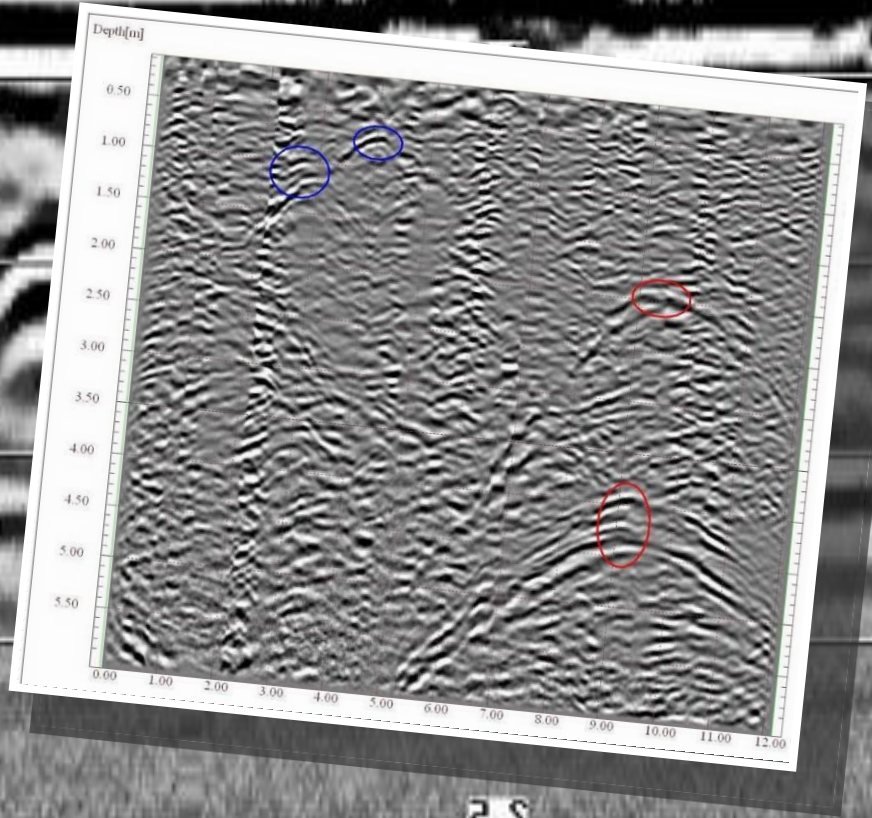
3. Ground Penetrating Radar

OUTPUT

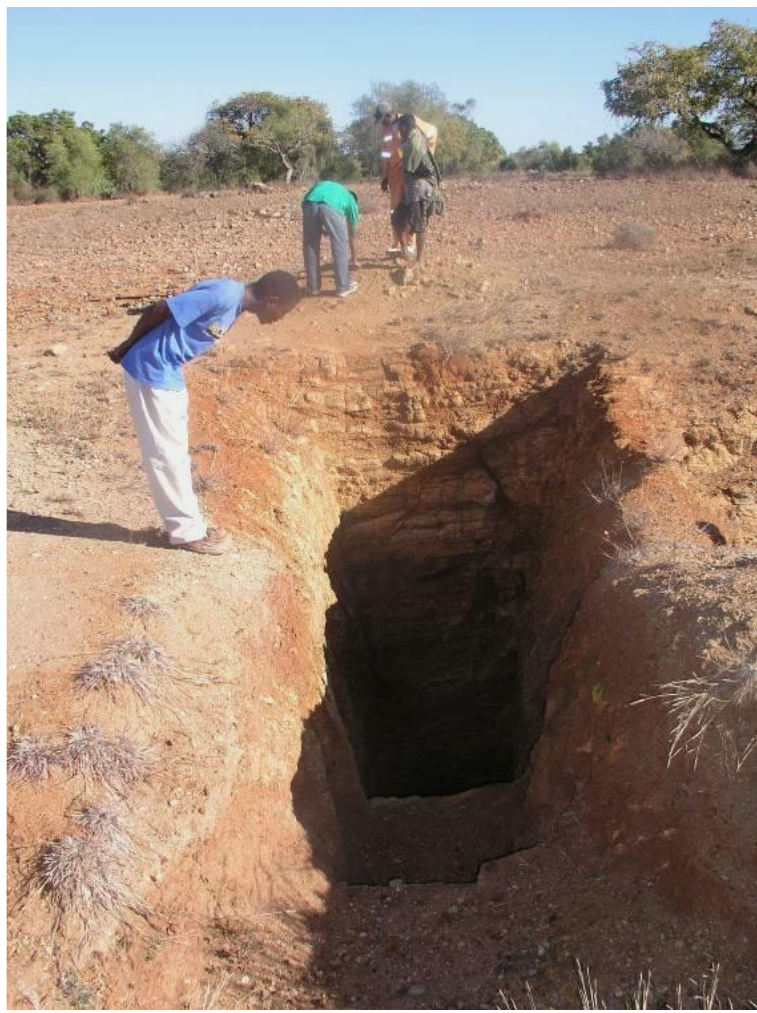
- Localization and extension of small targets with depth

INTEREST

- Very accurate measurements
- Localization of pockets of gems
- Localization and variation of an interface between layers



3. Ground Penetrating Radar



Gems prospecting in Madagascar by random drilling on a given area. Thanks to GPR measurements, gemstones could be located prior to digging, thus improving mining operations.



Engineering & Consulting

Our assets

➤ Location

Ideal for rapid interventions in South Africa, Madagascar, Australia

➤ Experience

International experience
Field work in rough conditions

➤ Adaptability

Tailor-made surveys

➤ High Technology

Development of deep prospecting techniques (R&D)
Full set of geophysical equipment available in Reunion Island



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