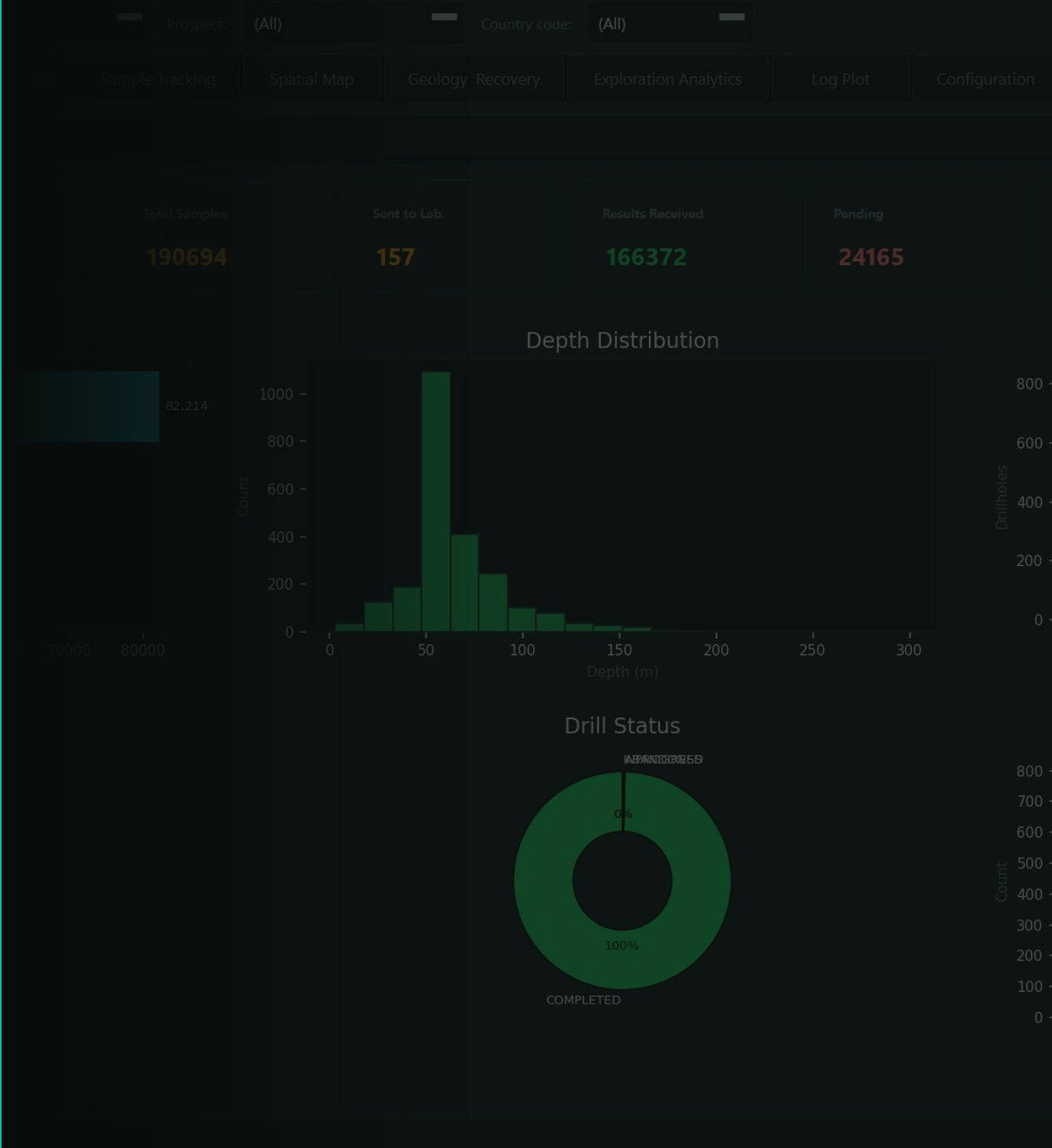




Dashboard

Project KPIs, drilling progress and the collar map — one continuously refreshed view.

- Group: Workspace
- 10 analytical tabs
- Background data loading
- PNG · Excel · HTML export



Executive summary

The Dashboard replaces the weekly tracking workbook: it reads the project database directly and answers, across ten tabs, the questions asked every Monday morning — metreage, samples, results, laboratory backlog and where the holes actually are.

01 What it replaces

The hand-maintained tracking workbook, its weekly copy-paste and the two-day lag between what happened in the field and the figure shown in the meeting.

02 How it works

A background worker queries the database; the interface stays responsive and the charts fill in progressively. Column mapping is done once and stored in the project file.

03 Who it is for

The project geologist takes their daily reading from it; the project manager and head office take the same data at the same moment, with no intermediate extract.

805

holes read live

41 736 m

cumulative metreage

10

analytical tabs

0

manual re-keying

Figures computed on the KOUKOUNDAN project database at the time this deck was built.

Contents

01 What the module is for

The daily entry point for the geologist and the project manager.

02 The ten tabs

Overview, progress, samples, map, configuration.

03 Delivered indicators

Metreage, depths, dispatch status, summary grades.

04 Spatial mapping

OpenStreetMap, CartoDB, Esri Satellite and custom basemaps.

05 One-time configuration

Column mapping is stored in the project file.

06 Reporting exports

300 dpi PNG, Excel workbook, standalone HTML map.

07 Anonymised data

The KOUKOUDAN dataset: 805 holes, 41,736 m.

08 Business value

Weekly reporting with no re-keying and no parallel spreadsheet.



GeoMate 2026

SECTION I

The module

The problem addressed, the capabilities delivered, the processing chain and the module's place in the platform.

-
- 01 Context
 - 02 Key capabilities
 - 03 Processing chain
 - 04 Place in the platform
-

Context

On an exploration project the Monday-morning question is always the same: how many metres, how many samples sent to the laboratory, how many results back, and where does that leave the programme.

The Dashboard answers that question straight off the project database — no extract, no intermediate workbook, no consolidation lag.

A background worker

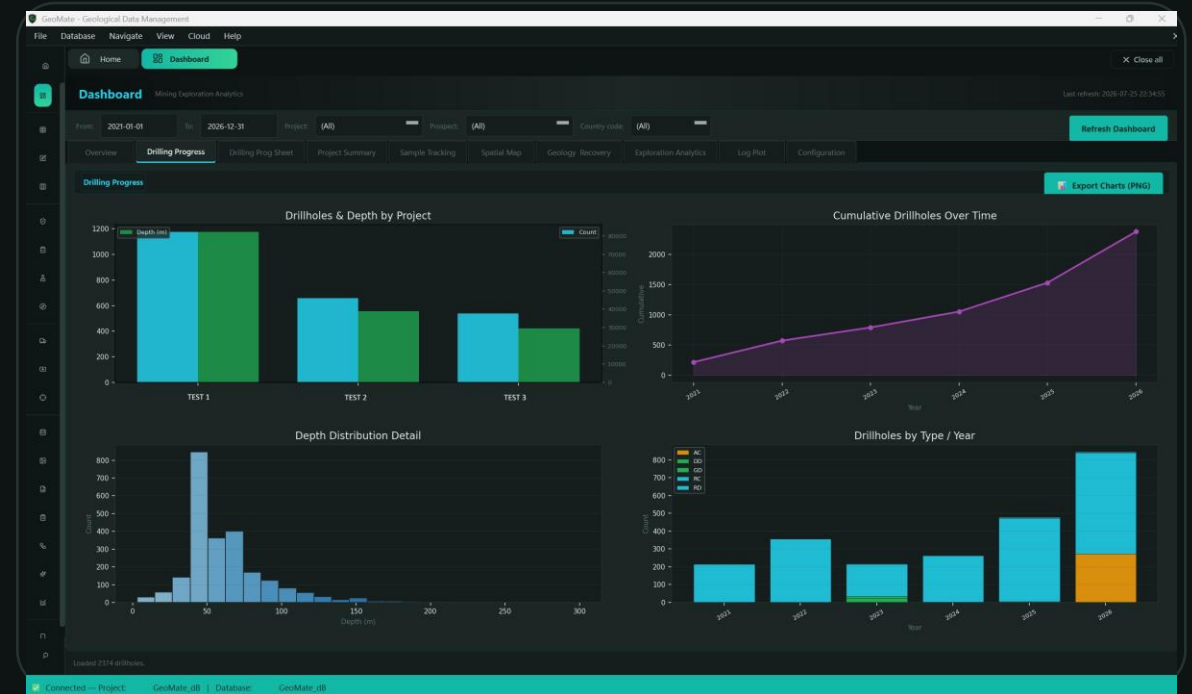
Queries run off the UI thread: the interface stays responsive and charts appear progressively.

Persistent filters

Date range, project, prospect and country code apply across every tab at once.

No data leaves the workstation

Everything is computed locally against the project's Access or SQL Server database.



Tip — if the map stays blank, open the Configuration tab, pick the collar table and map Easting / Northing, then Save Config and Refresh.

Key capabilities



01

KPI strip

Holes, total metreage, mean depth, samples, sent to lab, results received, pending, mean RQD, mean and maximum Au.



02

Drilling progress

Metreage and hole count by project, cumulative over time, depth distribution, split by rig type and by year.



03

Sample tracking

Status histogram and sent/received timeline — laboratory backlog becomes visible before it becomes a problem.



04

Spatial map

Interactive collar map on OpenStreetMap, CartoDB light or dark, Esri Satellite, Stamen Terrain or a custom background.



05

Geology & recovery

Dedicated recovery, exploration-analytics and log-plot tabs, to move from the headline figure down to the single hole.



06

Paste-ready exports

Chart as a 300 dpi PNG, underlying data as Excel or CSV, interactive map as standalone HTML.

Processing chain

What the module reads, what it computes and what it produces.

A Inputs

Project database — Access or SQL Server

- Collar table: HoleID, Easting, Northing, RL, depth
- Hole start and end dates, rig type, prospect
- Sample register and dispatch status
- Received assays, recovery and RQD
- Column mapping stored in the project file

B Processing

Background worker

- Aggregation by project, prospect, rig type and year
- Cumulative metreage over time and depth distribution
- Sent/received timeline, laboratory turnaround
- Projection of collars onto a basemap
- Application of the date / project / prospect / country filters

C Outputs

Screen, clipboard and file

- Ten analysis tabs refreshed on demand
- Active chart as a 300 dpi PNG
- Underlying data as Excel or CSV
- Interactive map as standalone HTML
- Reusable configuration from one project to the next

ACROSS THE PIPELINE

Everything is computed locally against the project database: no data leaves the workstation. Only the online basemaps need a connection — offline, the custom background and the fallback matplotlib map take over.

Column mapping is project-specific: it is written to the .dmproj file and therefore never has to be redone on restart, or on another workstation.

Place in the platform

FED BY

03 Data Entry

Collars, holes, logs and samples: everything the dashboard counts is captured here.

09 Dispatch Manager

Supplies the laboratory send dates that drive the timeline and the backlog calculation.

10 Assay Importer

Supplies the received results: mean Au, maximum Au and the count of certificates loaded.



Dashboard

The daily entry point: it captures nothing and changes nothing — it reads and renders the true state of the project as it stands.

FEEDS

14 Report Builder

The exported 300 dpi PNGs and Excel tables paste straight into the monthly report.

18 Mate BI Studio

Picks up the same aggregates to build a bespoke executive dashboard.

17 Geological Intelligence

The scope and extent seen here frame the domain to be estimated.

The Dashboard is read-only against the database: it can neither correct nor delete data. An anomaly spotted here is fixed in Data Entry or documented in Data Validation.



GeoMate 2026

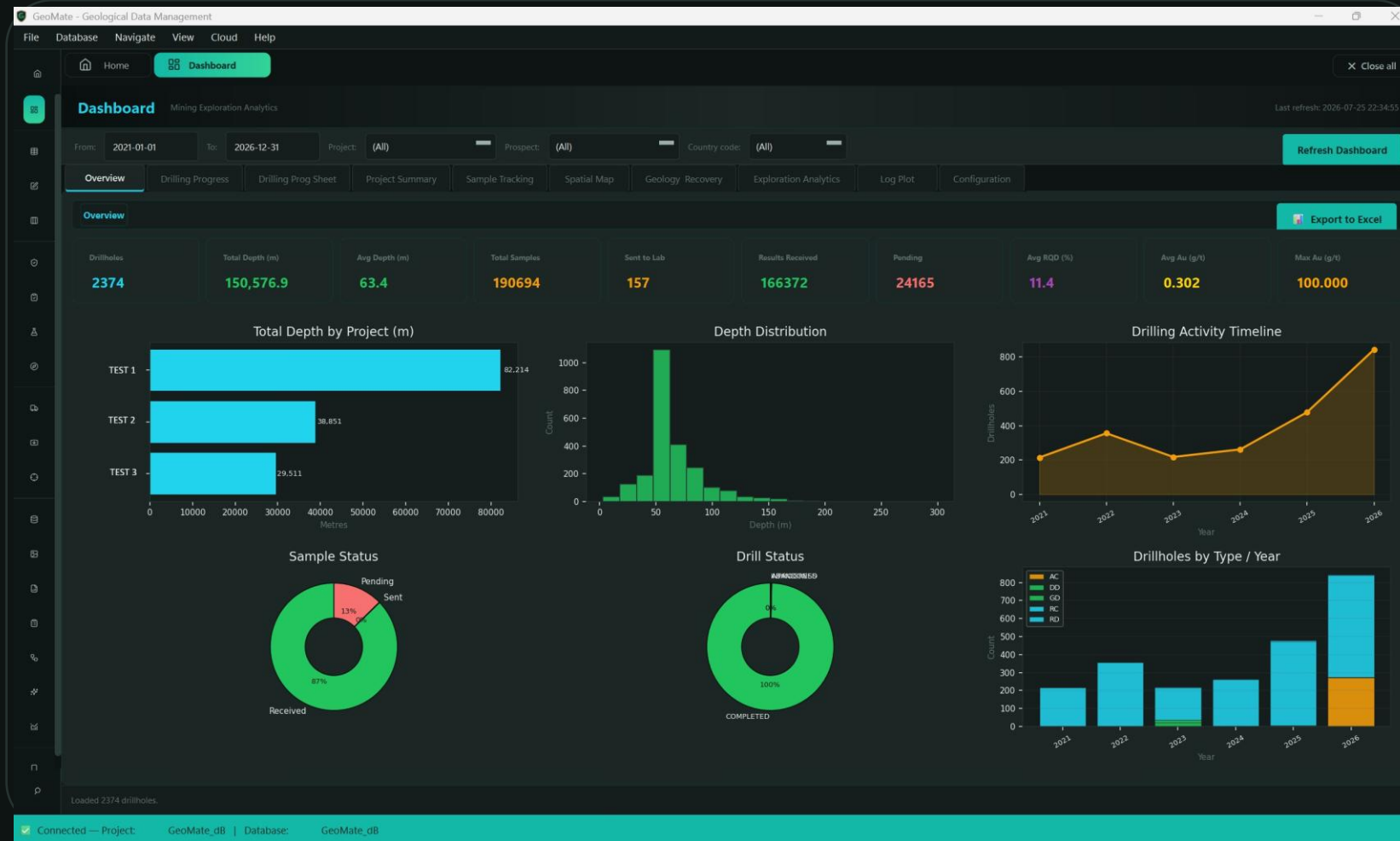
SECTION II

In practice

The real interface, the operating workflow, the reference settings, good practice and the questions that come up.

-
- 01 The interface
 - 02 Operating workflow
 - 03 In depth
 - 04 Good practice
 - 05 Frequently asked
-

The interface



1 Global filters

Date range, project, prospect and country code — applied across all tabs.

2 Ten analytical tabs

From overview to configuration, via the map and the log plot.

3 KPI strip

Ten headline figures recomputed at every refresh.

4 Linked charts

Depth by project, depth distribution, activity timeline.

5 Doughnut statuses

Samples and holes: received / sent / pending, completed / in progress.

Actual GeoMate 2026 v2026.3.1.5 screen capture — Midnight theme.

Operating workflow

Five actions, once — after that the dashboard runs itself.

1

Open the database

From the Home screen, open the project file or pick it from the recent databases list.

2

Map the columns

Configuration tab: associate the collar table, Easting, Northing, depth, dates and sample status.

3

Refresh

KPIs and charts populate from the database; the worker runs in the background.

4

Filter

Narrow the period, project or prospect — every tab follows the same filter.

5

Export

PNG for the deck, Excel for the detailed review, HTML for a shareable map.

The ten dashboard tabs

TAB	CONTENT	PRIMARY OUTPUT
Overview	10-KPI strip, depth by project, distribution, activity timeline	PNG · Excel
Drilling Progress	Holes and metreage by project, cumulative curve, rig-type profiles	Chart PNG
Drilling Prog Sheet	Row-level tracking sheet, ready for the site meeting	Excel
Project Summary	Aggregates by project and prospect	Excel
Sample Tracking	Status histogram, sent/received timeline	PNG · Excel
Spatial Map	Collars on OSM, CartoDB, Esri Satellite or custom basemap	Interactive HTML
Geology & Recovery	Recovery, RQD, geological logging coverage	PNG · Excel
Exploration Analytics	Grade statistics and anomaly indicators	PNG · Excel
Log Plot	Multi-track strip log of the selected hole	PDF · 300 dpi PNG
Configuration	Mapping of tables and columns onto the dashboard fields	Saved to project

The mapping is done once per project: it is written into the .dmproj file and travels with the database.

Good practice

The six points to check before presenting a figure taken from the Dashboard.

✓ Mapping is complete

Configuration tab: collar table selected, Easting and Northing mapped, Save Config clicked. Without that the map stays blank.

✓ A single UTM zone

The map assumes coordinates in one zone. A project straddling two zones has to be filtered, or the collars scatter.

✓ The filters are the ones you think

Date range, project, prospect and country code apply across every tab at once: a forgotten filter distorts every figure on the page.

✓ Refresh after capture

The charts are not live views: after a capture session, click Refresh before reading or exporting.

✓ Export the data with the chart

Export the PNG and the workbook: a chart without its underlying table cannot be checked by anyone else.

✓ Compact large databases

Past 100 MB, Access compact & repair reclaims space and noticeably speeds up the dashboard queries.

These points restate the built-in documentation's own guidance (F1 > Dashboard and F1 > Troubleshooting).

Frequently asked

The questions actually asked in use, and their answers.

Q The map is blank — why?

Mapping has not been done. Configuration tab › select the collar table, map Easting and Northing, Save Config, then Refresh.

Q “Tile request failed”, or a grey grid?

That is a connectivity issue: the OSM and Esri layers are online. Offline, switch to Custom Background — the fallback matplotlib map works with no network.

Q The sidebar buttons are greyed out

No database is connected. Navigation stays disabled until a project is opened from the Home screen.

Source: built-in documentation, Troubleshooting & FAQ page (press F1).

Q Does mapping have to be redone at every start?

No. It is written to the project file and travels with the project, including onto another workstation.

Q Does any data go out to the internet?

No. Every computation is local. Only the basemap tiles are downloaded, and they carry none of the project's data.

Q Why do the charts appear one after another?

By design: loading runs off the UI thread, which keeps the interface usable on a large database.



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SECTION III

The data

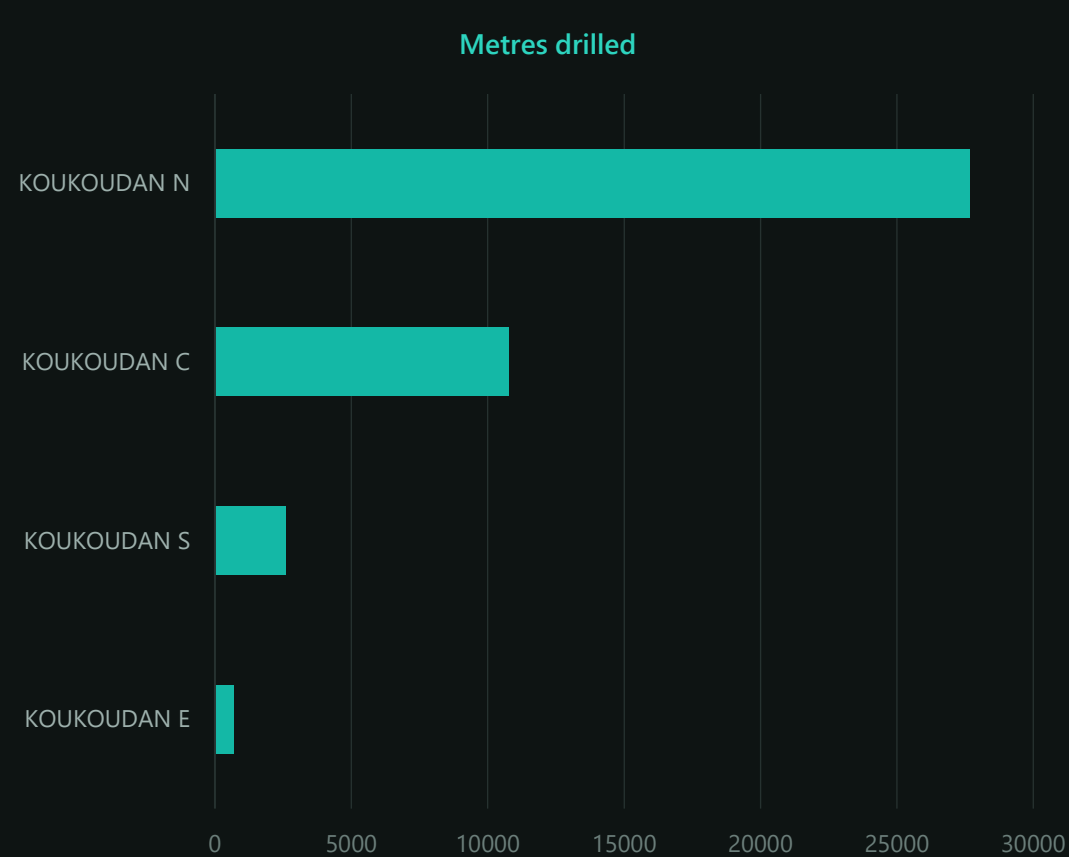
What the module produces on a real dataset, and the vocabulary needed to read those results.

01 Anonymised data

02 Key concepts

Anonymised data

Metreage split by prospect on the KOUKOUDAN database — figures taken from data actually exported from GeoMate.



PROSPECT	HOLE	METRES
KOUKOUDAN N	564	27 679
KOUKOUDAN C	184	10 773
KOUKOUDAN S	45	2 602
KOUKOUDAN E	12	682
PROJECT TOTAL	805	41 736
of which RC	414	25 194
of which RAB	241	10 959
of which AC	150	5 583

Source: KOUKOUDAN project database (Senegal) — figures computed from the real data exported from GeoMate.

Key concepts

The vocabulary the Dashboard assumes.

Collar

The hole's starting point at surface: identifier, Easting / Northing / RL coordinates, azimuth, dip and total depth.

RQD

Rock Quality Designation: the share of the run recovered as pieces longer than 10 cm, as a percentage. A core-quality indicator.

Laboratory backlog

The gap between samples sent and results received. The timeline makes it visible before it becomes a programme problem.

Metreage

The sum of the drilled depths. It is the unit of progress tracking and the basis of the driller's invoice.

Recovery

The ratio of material recovered to length drilled. Poor recovery undermines any grade computed over that run.

Prospect

The internal geographic subdivision of a project. It acts as a cross-cutting filter on every tab and as the metreage aggregation key.



GeoMate 2026

SECTION IV

Value & specifications

What the module changes for the project, and its technical integration profile.

01 Business value

02 Technical profile

Business value

The project update drops from two hours to two minutes

No more manual extract into Excel, no more pivot table rebuilt every week: the same figures, computed on the live database.

–95 % time

One set of figures for everyone

The site geologist, the project manager and head office read the same source — consolidation discrepancies disappear.

Zero divergence

Laboratory backlog surfaces early

The gap between samples sent and results received is tracked continuously, before it stalls interpretation.

Early warning

Presentation-ready visuals

300 dpi PNG exports and the HTML map drop straight into a monthly report or an investor deck.

300 dpi

Works offline, on site

No connectivity dependency: the exploration camp gets the same dashboard as head office.

100 % local

Technical profile

Data sources

Database engine

MS Access (.accdb/.mdb) or SQL Server

Tables read

Collars, metadata, samples, assays, recovery

Mapping

Per-project, stored in the .dmproj file

Refresh

Manual or on project open

Rendering & mapping

Charts

Matplotlib, dark or light following the application

Map

Folium / Leaflet, six basemap choices

Projection

UTM WGS84, on-the-fly reprojection

Execution

Background worker, non-blocking UI

Outputs

Image

300 dpi PNG of the active chart

Spreadsheet

Excel .xlsx or CSV of the underlying data

Map

Standalone HTML, opens without GeoMate

Privacy

No data transmitted off the machine



One platform, from field to report

The “Dashboard” module is one of the 19 modules of GeoMate 2026 — a single, fully offline platform covering the whole chain: database design, data entry, validation, QA/QC, dispatch, analysis and reporting.