

**DRILLING, WELLS AND RESERVOIR ENGINEERING**

# Reserves Estimation and Resource Classification

**5 day course**

Classroom, online or in-house

## Course overview

Reserves are a company's main asset on paper, and a booking that cannot be defended to auditors, lenders or a regulator can damage credibility far beyond the barrels involved. The Petroleum Resources Management System gives the framework; applying it consistently takes judgement. Delegates start with PRMS definitions: discovered and undiscovered, reserves, contingent and prospective resources, and the 1P, 2P and 3P categories. Deterministic and probabilistic methods are compared, and estimates are made by analogy, volumetrics, material balance and simulation. Commerciality, project maturity sub classes and reasonable certainty are explored through case studies. The final sessions cover aggregation, year on year reconciliation, reporting under listing rules and audit expectations. Delegates leave able to classify volumes correctly and produce a defensible reserves statement.

## What you will learn

- Apply PRMS definitions to classify reserves, contingent and prospective resources
- Assign 1P, 2P and 3P categories consistently
- Compare deterministic and probabilistic estimation methods
- Estimate volumes by analogy, volumetrics, material balance and simulation
- Test commerciality and project maturity against classification criteria
- Aggregate estimates across fields correctly
- Reconcile reserves changes from one year to the next
- Prepare a reserves report suitable for audit and disclosure

## Who should attend

- Reservoir engineers responsible for bookings
- Reserves coordinators and auditors
- Geoscientists estimating resources
- Finance and investor relations staff
- Regulators and petroleum agency officials

## Course outline

- 01 Why reserves matter
- 02 PRMS framework and definitions
- 03 Categories and uncertainty
- 04 Deterministic and probabilistic approaches
- 05 Estimation methods
- 06 Commerciality and project maturity
- 07 Aggregation
- 08 Reconciliation and reporting
- 09 Audit and governance

## Upcoming dates



| Dates                 | Venue                      | Format    | Fee per delegate |
|-----------------------|----------------------------|-----------|------------------|
| 12 to 16 October 2026 | Mbabane, Eswatini          | Classroom | R19,950          |
| 26 to 30 October 2026 | Pretoria, South Africa     | Classroom | R19,950          |
| 8 to 12 February 2027 | Online                     | Online    | R8,500           |
| 1 to 5 March 2027     | Johannesburg, South Africa | Classroom | R19,950          |

### Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 1,325** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit [www.afrisciencegroup.com](http://www.afrisciencegroup.com), email [info@afriScience.co.za](mailto:info@afriScience.co.za), or WhatsApp us on **+27 63 479 1136**.

AfriScience Group | +27 61 536 6531 | [info@afriScience.co.za](mailto:info@afriScience.co.za) | Pretoria, Gauteng, South Africa