

Estevao Stefane Mahanjane (Mozambique)**Desired occupational field:**

Member of the CLCS

Geoscience (Geology & Geophysics)

Objectives:

Accept challenges where my knowledge in Marine Geology/Geophysics and hydrography can fully contribute in the matter of the article 76 UNCLOS

Work Experience

Dates: 2004 onwards

Occupation or position held Main Activities and responsibilities

Expertise on Article 76 of the United Nations Convention on Law of the Sea (UNCLOS):

- Member of the Mozambican Task force for delineation of the outer limits of the continental shelf;
- Member of the Mozambican delegation to the United Nations (New York) for presentation to the CLCS of the extended continental shelf of Mozambique, 31 March 2011;
- Preparation and presentation to the CLCS of the Submission by the Republic of Mozambique, New York, 31 March 2011 (refer to CLCS/70);
- Key person for the preparation of the technical and scientific information, the dossier for the Mozambique extended continental shelf beyond 200M according with the UNCLOS-82 (requirements of article 76 and STG), submitted to the United Nations in July 2010;
- Key person for the preparation of the preliminary Information submitted to the United Nations in 2009, regarding to the Mozambique extended continental shelf beyond 200 M according to the technical and scientific requirements of article 76;
- Member of the Mozambican delegation to the United Nations (New York) for the submission of the preliminary information, held on the 11 May 2009;
- Appointed data manager within the Mozambique committee of experts for implementing article 76 of UNCLOS to delineation of outer limits of the extended Continental Shelf;
- Advisor for Mozambique on planning and designing of additional geophysical data acquisition, processing, and interpretation to fulfil the requirement of Article 76 of UNCLOS: include Gravity, Magnetism and (Multi-channel Reflexion & Refraction) 2D seismic data;

Training Courses and Seminars:

Organizer and 2-days seminar in Maputo on the subject of article 76 of UNCLOS — Maputo, 29-30 September 2008

UNEP Shelf Programme Desk-top Preparation Workshop-Part 1 and 2

UNEP, GIGIRI, Nairobi, 14-24 March 2006

Dates: June 2001 onwards

Occupation or position held Main Activities and responsibilities:

Expertise in oil industry (Geosciences):**Senior Geoscientist (Geophysics and Geology)**

- 2003-2010 — Seismic interpretation IN-HOUSE and responsible for the mentoring junior staff;
- Loading and quality control of 2D and 3D seismic data, identifying and following with data enhancement;
- Management of Petroleum database (Seismic and Well digital data);
- Data interpretation including geological correlations and sequence stratigraphy analysis in sedimentary basins and geological modelling;
- Mentoring tutorial to Ministry of Mineral Resource staff;
- Evaluation of Petroleum Potential in Mozambique sedimentary basins;
- Planning and development of resources assessment methods;
- Petroleum resource assessment on regional and national scale;
- Preparation of documentation and running the 2nd, 3rd and 4th Licensing Rounds for Oil and Gas Exploration and Production;
- Evaluation of company applications for new exploration licences;
- Licensing and Negotiations for Petroleum Concession awards;
- Providing technical advice to Ministry of Mineral Resources;
- Represented the National Petroleum Institute (INP) in various geoscientific programmes involving oil industry;
- Project team leader for Reserves evaluation in the Gas Fields in the continental margins.

On-the-job training

2007/2006

Exploration Project assisted by the Petroleum Geosciences Service (PGS) — Reservoir (United Kingdom):

- Seismic Interpretation, Prospect generation & Ranking of about 80,000 line kms of 2D seismic from the offshore Mozambique Basin;

- Two months Courses: Sequence stratigraphy-Level 1 & 2; Introduction to Wellsite Geological Operations. Institute Teknologi Petroleum Petronas. Kuala Lumpur, Malaysia;
- Drilling Operations with Petronas: Evaluation of the Geological and Geophysical (G&G) data from the daily drilling reports and wellsite Geological Reports for decision make process, including compiling all information from G&G, Geopressure, wireline, Petrophysics, drilling parameters for the Final Well Report.

2005

2D land seismic Acquisition (including pre-processing and quality Control in the field) with SASOL (South Africa).

2004

3 months secondee for the G and G studies in the offshore Zambezi Delta, Mozambique with PETRONAS, based on seismic interpretation of about 5,000 line km 2D seismic for the prospect identification and ranking.

2004

Participated in the extensive Exploration Project together with Anadarko International (USA), Vanco (USA) and Norsk Hydro (Norway):

- 2D seismic interpretation of about 4000 line kms from the offshore Rovuma Basin (Mozambique) for the prospect and leads generation focusing the evaluation of the Petroleum prospectivity.

2004-2003

Wellsite geologist in the onshore Exploration/Production drilling Campaign in the Pande-Temane Gas Field (Mozambique).

Employer

National Petroleum Institute (INP)

Maputo, Mozambique

Government Institution (Petroleum Sector)

Dates: June 2000 onwards

Teaching Assistant

Occupation or position held Main Activities and responsibilities

Lecturer in Geosciences: General Geology and Geomorphology, Marine Geology, Geo-statistics and Geo-mathematics, Applied Geophysics (including seismic acquisition, processing and interpretation)

Employer

Eduardo Mondlane University

Maputo, Mozambique

Type of business or sector

Tertiary Education

Education and Training

Dates: 2010-2010 (Ongoing):

Philosophy Doctorate in Exploration Geophysics (Geosciences)

Skills covered

Explorationist

Name and Type of organization providing education and training

Leibniz University Hannover (LUH)

Institute of Geology

Germany

Dates: 2002

Title of qualification awarded Skills covered Emphasis

Bachelor of Science Honours in Exploration Geophysics

Exploration Geophysics

Marine Geology, Exploration Geophysical Methods, Reservoir Engineering, Petroleum sedimentology

Name and type of organization providing education and training

University of Cape Town, South Africa

Dates: 1994-1999

Title of qualification awarded skills covered

Diploma, Geology

Emphasis: Exploration and applied geology

Name and type of organization providing education and training

Eduardo Mondlane University

Maputo, Mozambique

Tertiary Education

Affiliations:

Society of Exploration Geophysics (SEG)

Language(s) Self-assessment

Portuguese

Understanding: Listening: Proficient User; Reading: Proficient User

Speaking:

Spoken Interaction: Proficient User

Spoken production: Proficient User

Writing:

Proficient User

English

Understanding: Listening: Proficient user; Reading: Proficient User

Speaking:

Spoken Interaction: Proficient User

Spoken production: Proficient User

Writing:

Proficient User

German

Understanding: Listening: Basic user; Reading: Basic User

Speaking:

Spoken Interaction: Basic User

Spoken production: Basic User

Writing:

Basic User

Computer skills and competences

Competent with most Microsoft Office Programmes and some experience with HTML, Kingdom Suite, GeoGraphix, Surfer 8, Geocap, Geoquest.

Additional Information**Publications**

1. Ongoing PhD Project at Leibniz University of Hannover, Germany: Geotectonic History and Petroleum System Analysis for the Northern Mozambique Basin, Basin Modelling Concept;
2. Mahanjane, E., (submitted to journal in December 2011) — A Geotectonic History of the northern Mozambique Margin including the “Beira High” (off Zambezi Coast) — A Contribution for Understanding its Development;
3. Reichert, C., Sonke, N., Adam, J., Aslanian, D., Roest, W., Mahanjane, S., James, E.T., Bargeloh, H., Behrens, T., Martin, B., Ehrhardt, A., Heyde, I., Jokat, W., Kallaus, G., Klingelhöfer, F., Moulin, M., Kewitsch, P., Schrader, U., Schreckenberger, B., and Sievers, J. (2008) — Cruise Report, BGR07. R/V MARION DUFRESNE CRUISES MD 163 & MD 164. PROJECT MOBAMASIS. Bundesanstalt für Geowissenschaften und Rohstoffe (BGR);

4. Mahanjane, E., Achimo, M., and Nhanale, E. (2007) — The interpretation of the syn-rift sediments from Mazenga Graben to Palmeira Graben, Type of Lithologies based on well logs. Geological Department, UEM;
5. Mahanjane, E., Achimo, M., and Mendes, L. (2007) — The study of the Grudja (Upper Cretaceous) sediment distribution in the offshore Chidenguele Graben. Geological Department, UEM;
6. Mahanjane, E., Achimo, M., and Paulo, A. (2007) — The study of Geotectonic Structure of Buzi. Geological Department, UEM;
7. Mahanjane, E., Mahanjane G., and Mendes L., (2004) — Assessment of Cultural-economic and environmental impact to Community of Chibuto Heavy sand Project;
8. Mahanjane, E. (2001) — Manual of Mineral and Industrial Materials. Volumes I & II (Portuguese version), Geological Department, UEM.