

**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

- 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 seconded 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., As

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.