

GLAUCO MACEDO SOUSA

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EDUCATION

PhD Geophysics. University of Wyoming, USA. Aug.2025 – Present

Advisor: Dr. Dario Grana

M.S. Geophysics. Universidade Federal da Bahia, Brazil. 2013

Advisor: Amim Bassrei

Thesis Title: Influence of Low-frequency Components on the Characterization of Seismic Anomalies: A Comparison Between AVO and Elastic Inversion Techniques.

B.S. Geology. Universidade do Estado do Rio de Janeiro, Brazil. 2005

Thesis Title: Ground-Penetrating Radar survey in coastal ridges for the study of analog reservoirs: A case study in the municipality of Marataízes (ES).

Advisor: Paulo de Tarso Luiz Menezes

PROFESSIONAL EXPERIENCE

Geophysicist in Seismic Interpretation. Petrobras, Brazil. 2006 – 2023

Conducted geological and geophysical interpretation of Brazil's major sedimentary basins (Santos, Campos, and Espírito Santo) and international sedimentary basins (Douala & Gabon - São Tomé and Príncipe, Guajira - Colombia, Orange -Namibia). Performed salt interpretation to support velocity model building in PSDM projects

Geophysicist in Quantitative Interpretation. Petrobras, Brazil. 2023 – 2024

Applied AVO and elastic inversion for facies and fluid identification in siliciclastics and carbonate reservoirs

Geophysicist Interpreter Exploration. Starfish Oil and Gas, Brazil. 2005 - 2006

Conducted seismic interpretation for prospect generation in the Recôncavo Basin

COMPLEMENTARY COURSES

Artificial Intelligence Applied to Geoscience 2023 - 2024

Universidade Petrobras and UFMG, Rio de Janeiro and Belo-Horizonte, Brazil

Short Courses in Geophysical Sciences 2014

University of Houston, Texas, USA.

Advanced Geophysical Science 2009

Universidade Petrobras, Rio de Janeiro, Brazil

Introductory Course in Geophysical Science 2006

Universidade Petrobras, Rio de Janeiro, Brazil

SCHOLARSHIPS

Agência Nacional do Petróleo, UERJ

2003 - 2005

LANGUAGES

Portuguese: Native speaker

English: Advanced

COMPUTER SKILLS

Microsoft Office, Python, MATLAB, Aspentech, Latex

PUBLICATIONS

Sousa, G.M., Varela, C.L., Carvalho, P.M., Bassrei, A. *Influence of Low-Frequency Components in the Characterization of Seismic Anomalies: A Comparison Between AVO and Elastic Inversion Techniques*, SEG Technical Program Expanded Abstracts 2013, 52-58

Sousa, G.M., Varela, C.L., Carvalho, P.M., Bassrei, A. *Comparative Analysis Between AVO and Elastic Inversion Emphasizing the Influence of Low-Frequency Components in the Characterization of Seismic Anomalies*, SEG Global Meeting Abstracts 2013, 1211-1216

Sousa, G.M., Menezes, P.T.L., Della Fávera, J.C., Medeiros, M.A.M. *GPR Aplicado ao Estudo de Reservatórios Análogos. Estudo de Caso em Cordões Litorâneos do Delta do Rio Itapemirim (ES), Resultados Preliminares*, 9th International Congress of the Brazilian Geophysical Society & EXPOGEF 2005, 2274

PUBLICATIONS

Society of Exploration Geophysics.

2013 – 2015

European Association of Geoscientists & Engineers

2013 – 2015