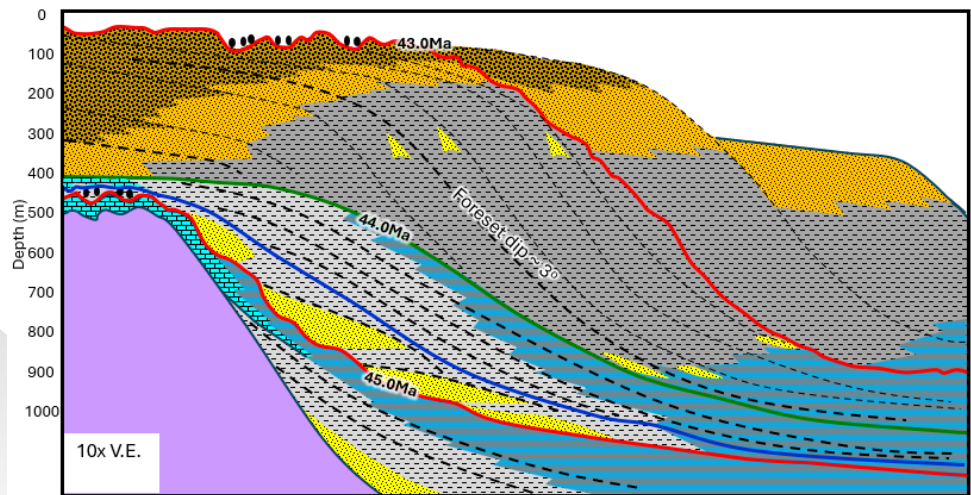
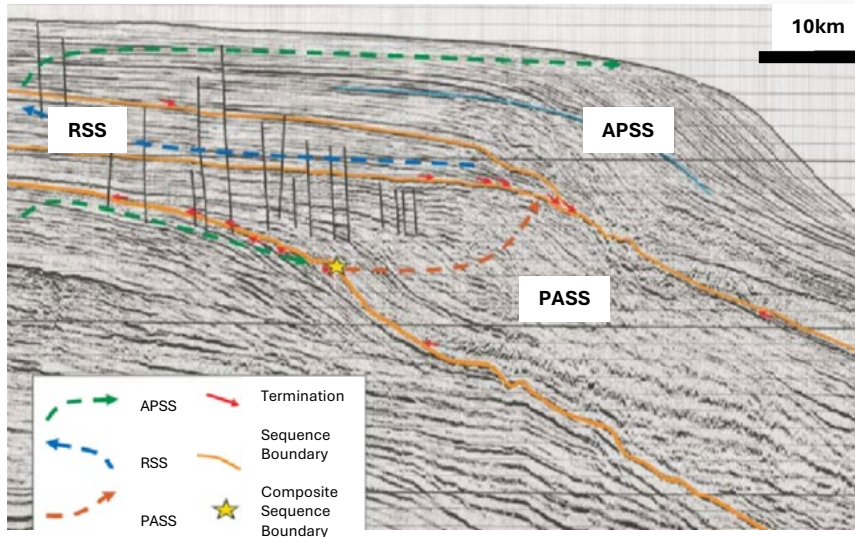


ACT



GEO



Excellence in Geoscience Consulting

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ACT-Geo provides geoscience consulting and training services has a global pool of highly experienced consultants and aid local and international companies, government agencies, and universities.

Our offering of consulting and training is first-in-class because:

- **Fit-for-Decision:** We have multiple decades of technical and leadership experience across upstream problems and drive subsurface characterization aligned with business timelines and decisions.
- **Technical Foundation:** Our evaluations rely on integration and alignment of data across core, well log and seismic scales and integrate the latest concepts, tools and technologies available.
- **Cost Effective:** Because of our strong fit-for-decision timelines, strong technical foundation, and limited overhead cost, we can offer high quality evaluations at short timelines and affordable prices.

ACT-Geo offers consulting and training across the following subjects:

- Subsurface Data Interpretation, Integration and Mapping
- Seismic and Sequence Stratigraphy
- Play and prospect characterization, assessment and risking
- Field appraisal and development strategies
- Reservoir characterization and modeling using core, logs, seismic.

rene@act-geo.com

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ACT-GEO offerings

Contracting

ACT-Geo can provide independent subsurface technical evaluations through utilizing high-end technical workflows integrating potential fields, seismic, well log and rock data across the following topics:

- Basin-scale play definition and evaluation
- Prospect generation, risking and assessment
- Field characterization and modeling

We integrate geological, geophysical and reservoir engineering data, workflows and tools to accomplish high-quality evaluations at effective timelines and competitive costs.

Consulting

Our core team and support staff are highly experienced across a range of disciplines, settings and basins. We can provide independent subsurface peer review and recommendations for companies and government entities.

Training

We have developed a comprehensive set of training courses in subsurface exploration and production tools that can be customized in delivery based on content, style and audience experience.

ACT-GEO core team and affiliations

Dr. Rene Jonk

Director

25+ years experience as a subsurface integrator in global exploration and production with technical and leadership assignments at ExxonMobil and Apache.

Dr. Vitor Abreu

Advisor

30+ years experience in petroleum exploration, production and research with ExxonMobil. Author of the sequence stratigraphy SEPM publication.

Dr. B. Harper

Geoscience Consultant

15+ years experience in stratigraphic mapping and prospect evaluation with ConocoPhillips.

Mrs. J. Sampol

Geoscience Consultant

15+ years experience in regional and prospect scale seismic mapping across global basins.

Dr. P. Rose

Geoscience Consultant

35+ years experience in prospecting, well planning, geological modeling with Texaco and Apache.

Dr. A. Brem

Geoscience Consultant

20+ years experience in Structure/Geomechanics analysis across exploration and production with Shell.

Dr. R. Tscherny

Geoscience Consultant

20+ years experience in petroleum systems modeling with Chevron and ConocoPhillips

Mr. M. Farrell

Geophysics Consultant

40+ years experience in seismic conditioning and inversion research and application for ExxonMobil.

Ms. N. Hosein

Geophysics Consultant

20+ years experience in integrated seismic interpretation with BP

Dr. A. Sharples

Geophysics Consultant

15+ years experience in quantitative seismic interpretation with BP and Eliis PaleoScan.

Dr. S. Morice

SEISMOMENTUM

Our partner for seismic conditioning, merging and survey design.

Ms. L. Sampaio

QUARTIC ADVISORY

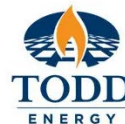
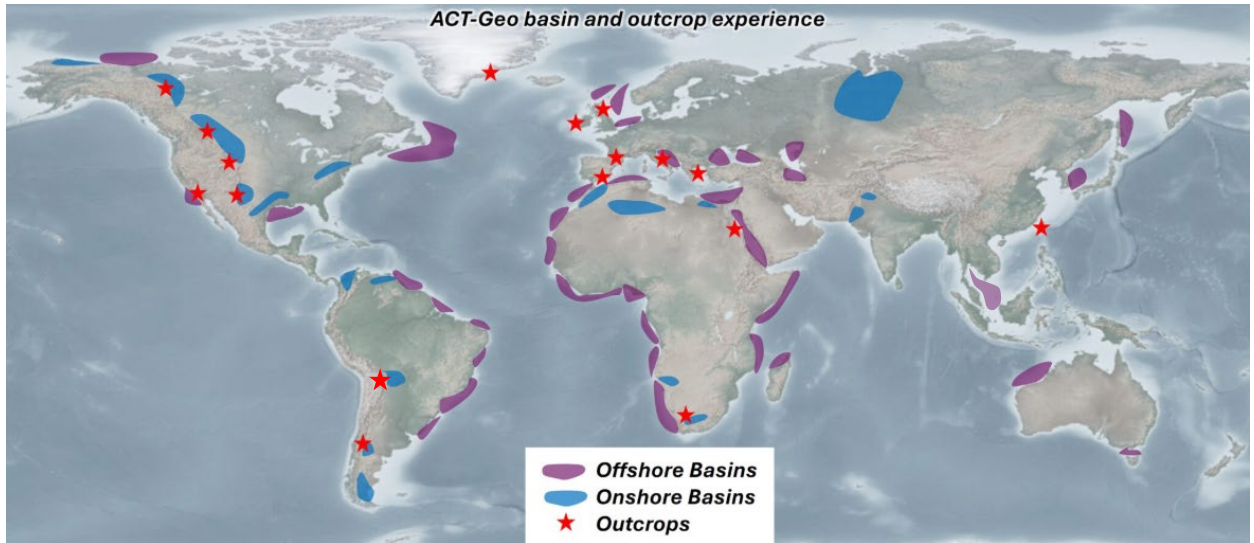
Our partner for reservoir geomechanics & engineering questions.

W. Nogueira de Amorim
CIMAGEO

Our partner for seismic reprocessing and rock property inversion.

ACT-GEO experience

Over the last decade, ACT-Geo has provided technical services across basins in all continents for over twenty international and national Energy companies.



Meet The Team:

Dr. Rene Jonk, Director



Rene has more than 25 years of experience in geoscience characterization for exploration, development and research. He held technical advisor and leadership roles with ExxonMobil and Apache. He has worked extensively across offshore basins of the African and South American margins, as well as the North Sea and the Mediterranean areas. In addition, he has experience in onshore unconventional exploration and production globally. Rene holds a PhD in Petroleum Geology from the University of Aberdeen and is an honorary professor at the University of Aberdeen. He is an active member of SEPM, EAGE and the Geological Society of London.

Dr. Vitor Abreu, Advisor



Vitor has more than 30 years of experience in the oil industry in exploration, production and research, with a proven record in evaluating, risking and drilling opportunities across 6 continents. His areas of expertise include deep water reservoirs, tectono-stratigraphic basin evolution, maturing opportunities to drillable status, and play to prospect risking assessment. Vitor holds a PhD from Rice University and has been an Adjunct Professor at Rice University since 1999. Vitor is a past President of the Society of Sedimentary Geology (SEPM) and was the chief editor of SEPM's world-renowned book titled "Sequence Stratigraphy of Siliciclastic Systems."

Meet The Team:

Dr. Brandon Harper, Geoscience Consultant



Brandon has more than 15 years of experience in industry and academic geoscience exploration, development, and research. He has been an explorationist, project manager, and instructor for ACT-Geo and ConocoPhillips. His exploration experience includes assessing exploration portfolios of play and prospect evaluations in 25+ basins worldwide on every major continent.

Brandon holds a PhD in Earth Science from Rice University where he studied the interactions of barrier reef systems on siliciclastic shelf margins in response to changes in sea level at the shelf to basin level. Brandon is a member of SEPM & AAPG and regularly helps teach the SEPM Sequence Stratigraphy course at IMAGE.

Mrs. Juliana Sampol, Geoscience Consultant



Juliana has been working at the oil and gas industry for twenty years as a seismic interpreter. She worked for ten years with OGX and Ouro Petro on various exploration projects at regional to prospect scale along various parts of the South Atlantic and Equatorial margins offshore Brazil. For the last ten years she has been working with ACT-Geo on various consulting projects globally as well as developing training course materials.

Juliana holds a BSc and an MSc from the Universidade Federal do Rio de Janeiro

Meet The Team:

Dr. Philip Rose, Geoscience Consultant



Phil has over 35 years experience as a hands-on technical leader, with a proven track record in subsurface mapping, reservoir characterization, prospect generation and well execution. On top of working across all areas of the UKCS, Phil has experience in West Africa, Egypt, Kazakhstan, Bangladesh and South Korea. Starting out at Texaco, Phil worked for 20 years at Apache, enabling near field exploration and re-development for the Forties and Beryl Fields (more than 200 well drilled with 70% success rate).

He has a PhD in structural geology from the University of Liverpool and is an active member of EAGE, GESGB and the Geological Society of London.

Dr. Arjan Brem, Geoscience Consultant



Arjan has two decades of experience across the upstream value chain in the Oil & Gas industry. He has worked on diverse petroleum systems in Southeast Asia and the Middle East as a geologist with Shell. His area of expertise includes integrated reservoir evaluations, basin evolution and bespoke structural geology studies. In addition, he has hands-on experience in the well maturation and delivery process.

Arjan holds a Ph.D. in Structural Geology from the University of Waterloo. He is a member in good standing with the Association of Professional Geoscientists of Ontario, Canada.

Dr. Robert Tscherny, Petroleum Systems Consultant

Robert has more than 25 years of experience in petroleum systems analysis, geochemistry, and basin modeling, with a proven record of delivering business-relevant insights across 20+ basins worldwide. He held technical leadership and advisory roles at IES (now SLB), Chevron, and ConocoPhillips, and has deep expertise in fluid characterization, pore pressure analysis, play-based exploration, unconventional field development, and unconventional EOR.

Robert holds a PhD in Geology from Aachen University of Technology (RWTH), Germany, and has published extensively with over 30 international conference presentations and peer-reviewed publications. He is a contributor to AAPG as Associate Editor.

Mr. Michael Farrell, Geophysical Consultant

Mike is a veteran geophysicist with 40 years industry experience. He worked at Mobil and ExxonMobil and is best known for his pioneering work in developing seismic inversion methods to predict subsurface reservoir attributes such as lithology, porosity, permeability and fluid type. His research has significantly advanced how the industry extracts attributes from seismic reflection data.

He contributed to several ExxonMobil patents with applications in the fields of joint seismic inversion technology, lithofacies predictions reservoir connectivity predictions. Mike has experience in all depositional environments but primarily worked deep-water depositional systems in global basins.

Meet The Team:

Ms. Natalie Hosein, Geophysical Consultant



Natalie has a strong background as a geophysicist and educator. She holds a BSc in Physics (first class honors) from the University of the West Indies, St. Augustine and an MSc in Exploration Geophysics at Leeds University.

She has over twenty years of experience with BP Trinidad and Tobago and more recently with ACT-GEO working the entire upstream value chain from exploration to production. Her main body of work has been on the Columbus Basin, the Southern Caribbean, Deep Water Gulf of Mexico and the Ulleung Basin as integrator/ interpreter Geophysicist.

She is currently a part-time senior lecturer in Geophysics in the BSc Petroleum Geoscience program and has been lecturing in this program for the past fourteen years.

Dr. Alexander Sharples, Geophysical Consultant



15 years experience of seismic interpretation and analysis with a range of projects from super-major (BP) to private companies including the North Sea, Norway, Egypt, Australia, Alaska, New Zealand, Sea of Japan and Malay Basins. Expertise in delivery of new wells & projects across the full cycle of exploration-appraisal-development. Expert level knowledge in 2D and 3D seismic interpretation and mapping with a specialism in attribute generation and analysis. Strong basin analysis and seismic sequence stratigraphic skillset from fluvial to deepwater environments.

Professional Accreditation:

Chartered Scientist (CSci), Chartered Marine Scientist (CMSci), associate of ACT-GEO sequence stratigraphic consulting, associate consultant of Eliis (Paleoscan)

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