



Petroleum Geology of the Southern South Atlantic

6-7 October 2021

Hybrid Conference, The Geological Society and Zoom, BST

Provisional Programme

Day One	
08.30	Registration
08.50	Welcome
	Session One: Tectonics
09.00	IN PERSON KEYNOTE: A new plate tectonic, basement and structural framework for understanding basins and plays in the Southern South Atlantic Jon Teasdale, <i>Geognostics</i>
09.30	IN PERSON The southern South Atlantic Ocean in the context of a holistic Gondwana dispersal model Colin Reeves, <i>Earthworks</i>
09.50	VIRTUAL Tectonic evolution of the Southern South Atlantic conjugate margins Hans Morten Bjornseth, <i>Equinor</i>
10.10	VIRTUAL Timing of the opening of the South Atlantic Kyla Simons, <i>ExxonMobil</i>
10.30	BREAK
	Session Two: Inherited structural grain
10.50	VIRTUAL KEYNOTE: Mesozoic Rifting in SW Gondwana: influence of preceding rifting in the opening of the Southern South Atlantic Ocean, Geodynamic and Paleogeographic implication Juan Pable Lovecchio, <i>YPF</i>
11.20	IN PERSON The structural and crustal architecture of the Falkland/Malvinas Plateau Basin Roxana Stanca, <i>Leeds University</i>
11.40	VIRTUAL The Rawson rift system: pre-breakup extensional tectonics underneath the Argentine shelf Pedro Kress, <i>YPF</i>
12.00	VIRTUAL Hot Spots, inversion, strike-slip, canyons and magmatisms - unravelling the complexity of the Diaz Marginal Ridge, South Africa: does it matter for prospectivity? Douglas Paton, <i>Knowing Earth</i>
12.20	LUNCH

Session Three: Rifting	
13.30	IN PERSON Paleotectonic and paleogeographic mapping of southern Africa and its conjugate margins Duncan Macgregor, <i>Macgeology</i>
13.50	VIRTUAL Maldonado Triple-Junction Rifting Structure Offshore Uruguay: Characteristics and Petroleum Implications Bruno Conti, <i>ANCAP</i>
14.10	IN PERSON Structural Evolution of the South African Transform Margin and implications for deepwater oil plays in the Natal Trough Michael Clutterbuck, <i>Impact Oil & Gas</i>
14.30	VIRTUAL Feedbacks of sedimentation and lithosphere deformation of thermal evolution of rifted margins Marta Perez-Gussinye, <i>Bremen Uni</i>
14.50	VIRTUAL It's a bit of a squash and squeeze; revised timings of rifting, uplift and erosion in the Gamtoos Basin, South Africa from biostratigraphic analysis Gavin Elliot, <i>New Age</i>
15.10	BREAK
Session Four: Volcanism & SDRs and Mantel processes	
15.30	VIRTUAL KEYNOTE: Relationships between heat flow, stratigraphic architecture, residual depth anomalies, and mantle convection at South Atlantic margins Nicky White, <i>Cambridge University</i>
16.00	VIRTUAL Ridge/rift jumps and margin asymmetry at magma-rich margins: Some implications for the formation of the Austral South Atlantic and its petroleum systems Ken McDermott, <i>Shell</i>
16.20	VIRTUAL Dynamic topography and Crustal Architecture Neil Hodgson, <i>Searcher Seismic</i>
16.40	VIRTUAL Magmatic margin processes – the importance of understanding along and across margin variability on exploration Douglas Paton, <i>Knowing Earth</i>
17.00	End of day one

Day Two	
08.40	Registration
09.20	VIRTUAL KEYNOTE: Frontier exploration in the Southern South Atlantic – can it defy the odds? Bryan Gill, Westwood
Session Five: Reservoir Systems/Source-to-sink	
09.30	VIRTUAL KEYNOTE: Contourites and Mixed Depositional Systems along the southern south Atlantic and its economic implications Javier Hernandez-Molina, <i>Royal Holloway University of London</i>
10.00	IN PERSON The timing and importance of contour current activity in the Southern South Atlantic Joachem Bijkerk, <i>Shell</i>
10.20	IN PERSON The Tale of Two Rivers: Effect of Southern African Uplift on Reservoir Distribution in the South Atlantic Abbey Hunt, <i>Impact Oil & Gas</i>
10.40	BREAK
Session Six: Reservoir Systems/Source-to-sink continued	
11.10	VIRTUAL High-resolution sedimentary budget quantification from the Cenozoic deposits in the Pelotas Basin, South Atlantic: workflow and implications for Source-to-Sink studies Sebastian Rohais, <i>IFP</i>
11.30	VIRTUAL Late Cretaceous mixed (turbidite-contourite) systems along the Argentine and Uruguayan margins: onset, depositional evolution and conceptual implications Sara Rodrigues, <i>Royal Holloway University of London</i>
11.50	LUNCH
Session Seven: Source & Thermal Modelling	
12.20	VIRTUAL Integrated basin modelling on the Argentinian Slope Sebastian Hinksen, <i>Equinor</i>
12.40	VIRTUAL Tectonic and paleogeographic evolution of the Southern South Atlantic and adjacent areas: Implications for source rock distribution Christian Heine, <i>Shell</i>
13.00	VIRTUAL The Southern Toe-A Closer (Zoom) Look Craig Schiefelbein, <i>Geochemical Solutions International</i>
13.20	VIRTUAL Mapping the Kudu Source Rock in the Walvis and Orange Basins, Offshore Namibia Christian Nino, <i>GALP</i>

13.40	<p>IN PERSON</p> <p>Seismic characterisation of source rocks: why should it be assessed on a site-by-site basis?</p> <p>Antoine Thieblemont, <i>Total</i></p>
14.00	<p>BREAK</p>
	<p>Session Eight: Basin Case Studies</p>
14.30	<p>VIRTUAL</p> <p>Tectonostratigraphic evolution of the Malvinas Basin and main play families, an illustrated review</p> <p>Sebastian Galeazzi, <i>Pluspetrol</i></p>
14.50	<p>VIRTUAL</p> <p>Pelotas Basin – Exploration of the last great play of the Southern Atlantic</p> <p>Neil Hodgson, <i>Searcher</i></p>
15.10	<p>IN PERSON</p> <p>New insights into the petroleum geology, basin development and sediment transport mechanisms of the North Falkland Basin</p> <p>Dave McCarthy, <i>BGS</i></p>
15.30	<p>VIRTUAL</p> <p>Deepwater prospects and discoveries of the Paddavissie Fairway in the Southern Outeniqua Basin</p> <p>Rilwele Tshikovhi, <i>PASA</i></p>
15.50	<p>BREAK</p>
16.00	<p>ION seismic workshop</p>
18.00	<p>End of day two</p>