## Why is everyone excited about Săo Tomé & Príncipe?

Matt Tyrrell - Principal Geoscientist, PGS Orlando Pontes - Executive Director, ANP-STP Alvaro Silva - Legal Director, ANP-STP





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#### Agenda

- 1. Where is Săo Tomé & Príncipe?
- 2. Exploration activity after a decade of quiescence.
- 3. The 4 key reasons why explorers are excited.
- 4. Where might the first offshore well be drilled?



#### Where is Săo Tomé & Príncipe?





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#### 1971 to 1981 – early onshore exploration





#### 1989 to 1994 - continued onshore exploration

- Island Oil exploration license to the onshore.
- Re-drilled 2 exploration wells (1990).
- Wells drilled near surface seeps.
- Both wells penetrated beneath volcanic layers but were dry.





Oil seep at Ubabudo-1









#### 1997 to 1998 – offshore ratification and permitting





#### 1998 to 2001 – offshore seismic & technical evaluation



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#### 2000 to 2012 – a decade of exploration quiescence



























### Comparison of 2000 to 2012 with 2012 to 2018 – why is everyone excited about Săo Tomé & Príncipe?







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#### Reason 1: Continental & transitional crust provide source and structure





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# ANP-STP

# 2. Syn-kinematic source rocks may be mature **1. Continental & transitional crust provide** for oil. source and structure Source Kitchen 3. Thick sand packages fed from long-lived 4. Sub-Akata Shale Cretaceous plays beneath the Niger Delta fluvial systems

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#### Reason 2: Syn-kinematic source rocks may be mature for oil





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#### Reason 4: Sub-Akata Shale Cretaceous plays beneath the Niger Delta







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#### Conclusions





## Thank You

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