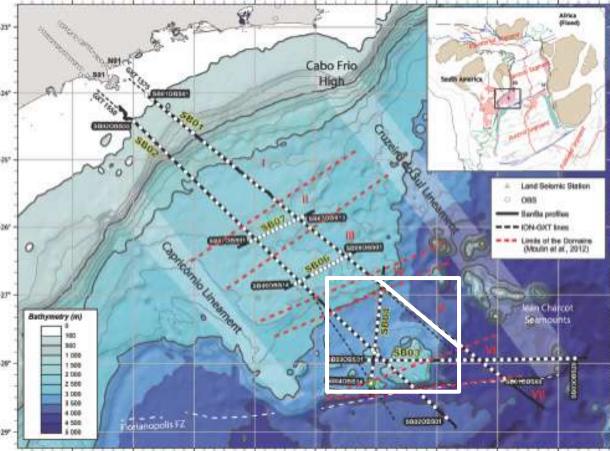
Sao Paulo Plateau (SPP) Project Concept

Why?

- Only Iberia-Newfoundland actually shows exhumed subcontinental mantle (minus evidence in orogens) during continental rifting. Other possibilities exist & need to be documented, and may lead to new, different models.
- SPP: Wide rifted margin adjacent to narrow volcanic margin controlled linkage between South & Equatorial Atlantic rift ca. 120 Ma.
- OBS work of Klingelhoefer et al. (2014) (IFREMER) suggests crustal stretching followed by ultraslow seafloor spreading.
- Previous work suggests either mantle exhumation OR magmatic rift.



Who? US-UK-Fr-Br (+/- De) When? Down the road Then what? Drill What about permits? Outside of sensitive EEZ->should be possible



Map: Ion-GXT (dashed red) & IFREMER OBS/MCS(4.5 km streamer) profiles (black). WHITE LINE is approximate line of profile below. WHITE BOX over SPP marks area to consider in plan development

Profile: A Petrobras display of Ion-GXT profile. BLACK ARROWS mark (only possible) JR IODP targets.

Data: ION-GXT data VERY proprietary. IFREMER data available, but needs more work.

Proposed IODP site 10 km