Equatorial Guinea 2019 seepage study

As a world-leading satellite remote sensing service provider, NPA Satellite Mapping (NPA) detects, interprets, classifies and monitors natural seepage and pollution slicks occurring in offshore environments.

Equatorial Guinea seepage study

NPA’s satellite seepage detection project offers extensive coverage across offshore Equatorial Guinea. Seepage detection by SAR (Synthetic Aperture Radar) is a proven technique for mapping surface oil seeps which could provide the first indication of petroleum systems in these basins:

- Approximately 168 interpreted SAR scenes over the offshore Equatorial Guinea license round blocks
- Availability of new, high-quality SAR imagery
- New data is being sourced over areas of sparse coverage

Background

In April 2019, the Ministry of Mines and Hydrocarbons (MMH) in Equatorial Guinea launched an offshore licensing round consisting of 27 blocks. These blocks include 25 exploration blocks and 2 appraisal / development blocks. NPA’s offshore seepage database provides comprehensive data coverage over all the offered blocks. This data set represents a vital source of information for assessing the potential for oil within Equatorial Guinea’s offshore acreage.

In light of the latest licensing round, NPA is currently increasing coverage levels of satellite data offshore Equatorial Guinea, which could potentially reveal temporal repetition over existing slicks or discover new sites of possible seepage. This key information for offshore Equatorial Guinea is now available from NPA.

Coverage of Equatorial Guinea offshore license round 2019

Seepage slick on SAR image

Distribution of SAR images over offshore Equatorial Guinea [ocean basemap courtesy of ESRI, GEBCO, NOAA, National Geographic, DeLorme, HERE, Geonames.org, and other contributors].

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