



Deploying a subsea network to monitor continental drift

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Direct observation of geological phenomenon such as subsea continental drift, or the movement of Earth's tectonic plates, calls for very specific instrumentation.

Indeed, because crustal deformation represents only about a few tens millimeters per year, the use of highly reliable instrumentation over an extended period of time is necessary.

iXblue new Canopus transponder offers the perfect solution to do just that. Enabling accurate inter-beacon communication for highly reliable distance measurements, it embeds multiple sensors, provides up to 4 years of battery life and offers recording capabilities of 32Go. In addition the robust acoustic communication link allows distant monitoring and data recovery every time it is necessary. Canopus is thus particularly suited for such challenging geosciences applications.

The IUEM, European Institute for Marine Studies, has thus chosen Canopus for its FOCUS geodetic project. We will present the project and the use of the Canopus transponders by the IUEM.