

# SOURCE-MAP



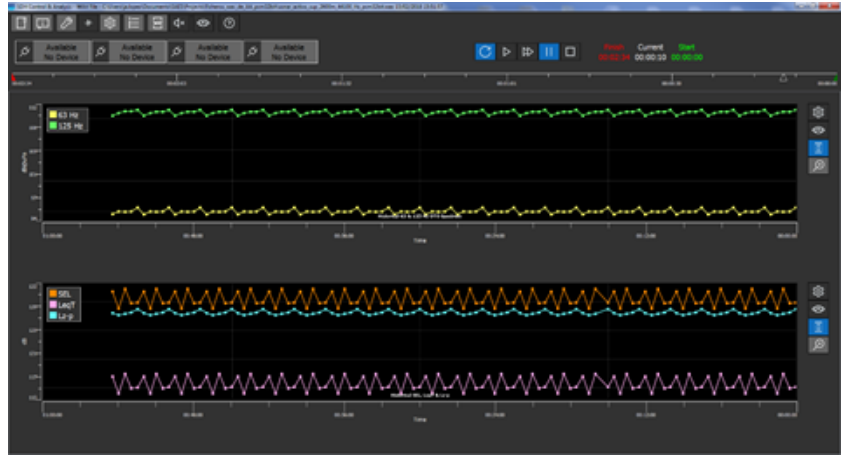
## Underwater Noise Source Map Generation

Human activities in the marine environment entails the increase in pollution by different energy sources like acoustic, electrical or magnetic, which affects the development of marine flora and fauna. To combine economic development and environmental protection is necessary to control the levels of radiated energy to sea.

SOURCE-MAP is a software application for estimating the noise generated by human activity such as maritime traffic.

SOURCE-MAP performs the evaluation of underwater noise levels in a maritime area by the spatial representation of the radiated energy.

**SOURCE-TYP** processes, analyzes and generates reports of signals acquired by multi-influence sensors (acoustic, electrical, magnetic or combined), focusing on the types of processing considered necessary.



### FEATURES

- Processing and analysing of acoustic, electrical and magnetic signals, previously acquired by sensors.
- Analysis LOFAR, vernier, DEMON and OTO.
- Compliant with the current standards
- Processing of large amounts of data, indicated for long-term measurement campaigns.
- Unattended processing of data.
- Analysis custom configuration, defined by user.
- Characterization and typification of source noise based on analysis results.
- Reports generation.
- Coherent storage of analysis results and reports.



### SOURCE-TYP integration with other SAES related systems.

#### SOURCE-SEA.

System for acquiring the multi-influence signals which can be analyzed and coherently stored by SOURCE-TYP.

#### SOURCE-MAP.

Tool for sound-maps generation, using the signals characterized by SOURCE-TYP.

