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SEREXPLORER
ALSEAMAR

offshore
survey
services

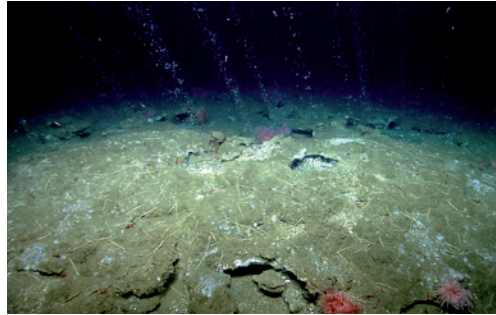
innovation & services at sea

SEEP HUNTING SURVEY

with SeaExplorer Autonomous Underwater Gliders

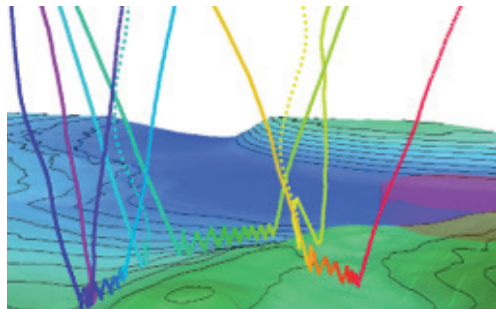
WHY SHOULD I STUDY SEEPS?

Natural seeps migrating in the water column through the seabed from deep reservoirs provide valuable information and help to de-risk petroleum systems on early stages of frontier exploration programs.



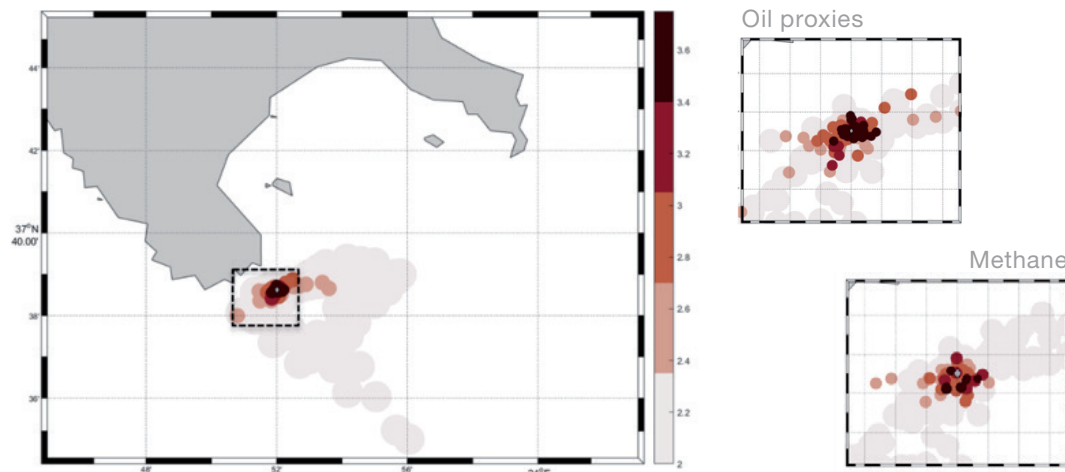
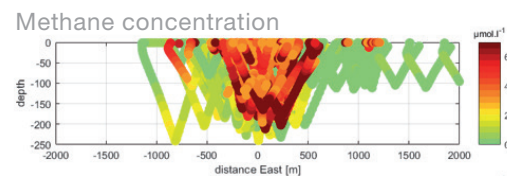
COLLECTED DATA

- Methane concentration
- Oil Proxys (PAH) detection
- Salinity - Temperature - Pressure
- Dissolved oxygen - Chlorophyll
- Turbidity - Dissolved Organic Matter
- Acoustic recording
- Current profiles



AUTONOMOUS AND EFFICIENT

- Cost effective
- Fast mobilization
- Large scale capability (weeks to months of endurance without surface supervising vessel)
- Persistent & "in situ" measurements / multi-parameters analysis
- Near real time data transmission & mission management
- No environmental footprint
- Autonomous - Decrease HSE risk



MARINE ENVIRONMENT & METOCEAN SURVEY

with SeaExplorer Autonomous Underwater Gliders

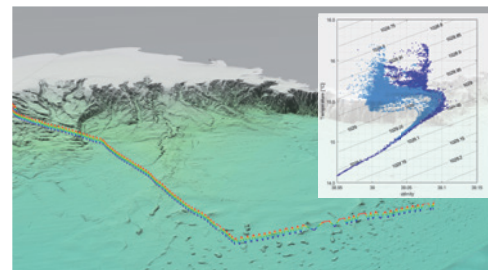
REDUCE THE UNCERTAINTY

Offshore is an area which is important to understand before undertaking any project. ALSEAMAR provides survey services to deliver the most precise data allowing you to optimize your design and reduce your costs being aware of the conditions you will meet on site.



APPLICATIONS

- Environmental Baselines/ Monitoring
- FEED Work
- Leak Detection
- Marine Mammal Studies
- Current profile determination
- Pollution Events



DATA COLLECTED & ANALYZED

- Current Profile
- Salinity - Temperature - Pressure
- Dissolved oxygen - Chlorophyll
- Turbidity - Dissolved Organic Matter
- Acoustic recording
- Methane concentration
- Oil Proxys (PAH)



CURRENT PROFILER

Thanks to our smart integration, ADCP sensor and vertical profiler allow us to provide current profile on the whole water column near real time without any perturbation due to glider navigation.



ALSEAMAR SERVICES

- Survey mission design
- Mobilization of underwater gliders on site
- Survey management (Piloting/ Processing/Reporting)
- Data analysis and final report
- Demobilization



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They talk about us

TOTAL « *Glide: Offshore Exploration by Detection of Hydrocarbon Seepage* »

www.ep.total.com/en/innovations/best-innovators/best-innovators-2018/glide-offshore-exploration-detection-hydrocarbon

EL HERALDO « *Ecopetrol explora en la Costa con cuatro drones submarinos* »

www.elheraldo.co/magdalena/ecopetrol-explora-en-la-costa-con-cuatro-drones-submarinos-659943

MER ET MARINE « *Alseamar : deux planeurs pour les grandes profondeurs* »

www.meretmarine.com/fr/content/alseamar-deux-planeurs-pour-les-grandes-profondeurs

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