

### Editorial

Dear OGEO subscriber,

This year we have seen both the start-up and completion of the successful ESA-sponsored **EO4OG project** on how Earth Observation can support O&G activities, and that information derived from satellites can be used again and again throughout a project life-cycle. However, each information layer derived from satellite images has to be compatible with each other and other sources of geo-information to ensure maximum benefit, which is why the discussions on standardisation have also been important.

The workshops in November (18th & 19th) were a particular high as we had the opportunity to meet together and get a better understanding of our needs and challenges by being open with one another, and I hope this continues in 2015 and in the New Year we will witness **Sentinel-1** going fully operational and with it a host of opportunities to further the use of satellite images in our industries.

So it looks like 2015 is going to be a busy year for everyone so I hope you can take the opportunity to switch-off at the end of the year and relax with family and friends.

Seasons Greetings

Richard Hall

(Chairman OGEO)

### Success Story



#### Planetek Italia: Very high-resolution satellite images can effectively support the monitoring of water quality during dredging activities for the installation of new off-shore infrastructures.

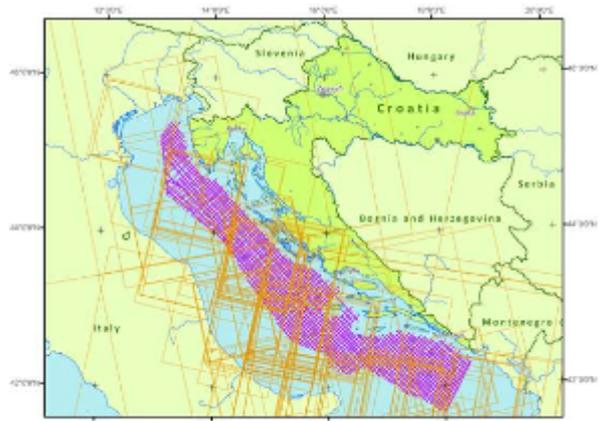
Saipem S.p.A, an Italian oil and gas industry contractor, which was contracted for designing and constructing several pipelines all around the world, has adopted this innovative approach in water quality monitoring. The new approach integrates traditional analysis methods with daily collections of high-resolution satellite images over the area of interest.

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#### Airbus Defence and Space and Spectrum pooled their assets to produce a joint oil seep and seismic correlation study for the Adriatic Sea.

The relationships observed have been documented for the customer in a comprehensive report featuring seep information (optical and radar), seismic case studies, structural interpretation and well locations, along with other supporting datasets. This study provides a new perspective on the hydrocarbon potential in the region, supporting both the ongoing licensing round and future exploration.

© Airbus Defence & Space. Adriatic Study Area. The purple lines represent the 2013 Spectrum seismic survey and the orange polygons are the radar scenes extracted from the Airbus DS Global Seeps database. Selected analysis was also made in Italian waters.



#### Featured Articles

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## Facts, Quotes and Projects

- Oil and gas industry meets to review Earth observation capabilities and discuss future development priorities. Representatives of leading oil and gas companies came together for a workshop in London on November 18, 2014, to learn about the findings and outputs of the **Earth Observation for Oil and Gas (EO4OG) project**. This ten-month project was funded by the European Space Agency (ESA) and implemented with the support of the International Association of Oil and Gas Producers (IOGP) Geomatics Committee (EO Sub-committee). The EO4OG project and workshop was implemented by a consortium of four companies that currently provide services, including Earth observation (EO) services, to the oil and gas sector. Hatfield Consultants and OTM Consulting focused on the onshore oil and gas sector, while CLS and C-CORE focused on the offshore. The EO4OG Workshop enabled oil and gas industry and Earth observation experts to review the key findings of the EO4OG Project and to discuss potential next steps in order to support the oil and gas industry to adopt appropriate Earth observation technologies. [View More »](#)
- The eo4og Workshop Report summarises the presentations, workshops, and discussions during the event. You could download the report at the following [link](#).
- The projects produced 96 EO product sheets which can help meet the challenges of the o&G sector. The 230 Challenges, 96 EO product sheets and 25 case studies as well as reports on the workshop and project results will soon be available in the portal (most of the documents are already online and we are expecting discussions around reorganization of project material in January)
  - [Off-shore: C-Core Challenges](#)
  - [Off-shore: CLS Challenges](#)
  - [On-shore: Hatfield Challenges](#)
  - [On-shore: OTM Challenges](#)
- On-shore EO products sheets could be found at the next [link](#)
- OGP is now IOGP: As the Association celebrates its 40th anniversary this year we took the opportunity to create a fresh brand that better reflects what we do. The structure of the Association and the people working for it remain the same. Our new abbreviation – which features an 'I' for 'international' – provides a fresh emphasis on our global remit as a trusted source of fact-based information and a credible advocate for the industry we serve. If you would like more details about the new brand please visit <http://www.iogp.org/introducingIOGP> (message from Michael Engell-Jensen, IOGP Executive Director)
- As EARSC celebrates its 25th anniversary this year we took the opportunity to create a new, fresh entry to our community so enhancing the quality and availability of information to members and stakeholders worldwide. You will see a new user-friendly design and structure with a new look and feel and which offers more efficient access to all the essential information on EARSC tools, resources and the members Community. All EARSC information and tools are easily accessible describing who we are and what we do including a news service, events calendar, library with published documents, access to EARSC communities or tools; [EOpages](#), [EOmag](#) and the [EO Portal](#). take a look to [our new, fully-featured website](#).
- Earth Observation from satellites can provide the offshore oil and gas industry with a wide range of product and services. These include applications within the disciplines of environment and metocean, with relevant linkages to geomatics. During 2014 ESA is funding the "EO4OG" project. This aims to establish the current capabilities and uses of satellite based Earth Observation for the oil and gas sector. This ESA hosted Professional Training Course will provide an opportunity for staff in the offshore oil and gas industry, especially from operators, to receive appropriate training in the latest products and services across the technical sectors studied during the EO4OG project. Professional Training Course Offshore Applications, 11–12 March 2015 | ESA–ESRIN, Frascati (Rome), Italy.
- You could download recent IOGP papers at the [library](#) while latest **IOGP Highlights** could be found at the [next link](#)

## Technology Watch

The Technology Watch page keeps you up-to-date on the newest and most innovative products and services in the remote sensing sector. [Spotlight technology watch](#)

- Sentinel-1A update: The Sentinel-1 A operational qualification phase is still on-going. The opening of the Sentinel-1 data flow to all users took place on October 3, and the initial ramp-up observation scenario is being implemented. All Sentinel-1 data can be downloaded from the Scientific data hub (<http://scihub.esa.int>), which since December 8 has improved rolling archive functionalities. More information about the Sentinel-1 mission can be found at <https://sentinel.esa.int>

## Recent members

*More than 100 active readers per month from organizations as...*

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- IOGP
- KSAT
- LLoyds
- Nexen Energy ULC

- Oceanalysis Ltd
- Pixalytics Ltd
- Planetek Italy
- Planetos
- Proteus
- SATIM Satellite Monitoring
- Shell Global Solutions INternational BV
- Spacemetric
- Spatial Energy
- SPIE Oil & Gas Services
- Telespazio VEGA UK
- Total

## Tips

- [Adding Content to OGEO Resources](#)

## Recent contribution

- [EO for O&G Projects](#)
- [Kim Charles Partington at OGP\\_JIP > OGP WP2](#)

## Link & Events

- [Earth Observation for the Oil and gas industry training \(11-12 March 2015, Frascati, Rome\) \(flyer\)](#)
- [OGP events](#)
- [More information Ogeo meetings and geo-information events at EOcalendar](#)
- [Presentations EO4OG workshop \(18th November, London\) & OGP's EO Subcommittee Workshop including the EARSC certification scheme \(19 November, London\)](#)