

ogeo

oil and gas earth observation group

Peter Hausknecht, Woodside – GTO-Geomatics, Chairman OGEO



OGEO: A joint Initiative in the 2nd Year

2009 initial set-up: ESA & OGP

2010 workshop: successful event !!

2011 continuation & goals

OGEO Portal: all OGP & SP can sign up

JIP support: various opportunities

Workshop: joint GRSG activity will expand the horizon

2011 members:

Industry

Peter Hausknecht (Woodside)

Jerry Helfand (Exxonmobil)

Colin Grant (OGP Metocean/ BP)

Emmanuel Garland (OGP Environment / Total)

Roger Abel (OGP Geomatics / NCOC / SEC)

Service Providers

Richard Eysers (GRSG / Spatial Energy)

Han Wensink (EARSC Chairman/ BMT Argoss)

Charlotte Bishop (Fugro NPA)

Host

Ola Graback (ESA)

Steve Coulson (ESA)

Geoff Sawyer (EARSC)

Mónica Miguel-Lago (EARSC)

OGEO Portal

Home - OGEO - To sign up to the OGEO Portal, please contact secretariat@ears.org - Windows Internet Explorer

http://www.ogeo-portal.eu/display/OHOME/Home?atl_token=7fff2ac4c2f44a51a4d338eaa5b9804cc46ab2dc

Convert Select

Home - OGEO - To sign up to the OGEO Portal, p...

Home Forums Working Spaces Wiki Communities Help

Peter Hausknecht Search

OGEO > Home

Welcome to the OGEO Portal - for more information go to..... [about](#).

Forum activity

Forums	Topics / Replies	Last Reply
Arctic Region	2 / 3	Peter Hausknecht 28 Nov
EO Services Marine	0 / 0	
Feedback	2 / 2	Geoff Sawyer 06 Oct
GIS Tools and Techniques	3 / 5	Francis Martens 04 May
Offshore	2 / 0	Peter Hausknecht 05 Oct
Onshore	1 / 1	Peter Hausknecht 15 Nov
Web portal Q&A	9 / 9	Geoff Sawyer 23 Aug

Site activity

All Updates Favourite Spaces Space Categories

- [OGEO Working Group](#) (OGEO) by [Geoff Sawyer](#) (8 hours ago)
- [EQMAP](#) (OGEO Wiki) by [Karin Schenk](#) (13 hours ago)
- [applications](#) (OGEO Wiki) by [Geoff Sawyer](#) (17 hours ago)
- [Success Stories](#) (OGEO Wiki) by [Geoff Sawyer](#) (17 hours ago)
- [EO Data for Sustainable Development Report](#) (OGEO Wiki) by [Geoff Sawyer](#) (17 hours ago)

Portal news

Blog Posts

- [Peter Hausknecht reports on OGEO at OGP meeting](#) created by [Peter Hausknecht](#) OGEO Nov 16, 2011
- [Creating a Company Profile](#) created by [administrator](#) OGEO Sep 28, 2011
- [Finding Portal Users](#) created by [administrator](#) Aug 09, 2011 OGEO
- [OGEO Telecon on 1st July](#) created by [Geoff Sawyer](#) OGEO Jun 28, 2011
- [Working Spaces Discussions](#) created by [administrator](#) OGEO Jun 26, 2011

My Favourites

Favourite Pages

Displaying pages recently added to [your favourites list](#).

- [GRSG OGEO December Workshop Organisers](#) (OGEO) ★

My Communities

You are currently not a member of any communities.

JIP support

J oint

I ndustry

P roject

Often a way OGP companies carry out activities with overarching interests, common goals and benefits for all

Discussed were:

Oil spill mapping/monitoring support ... using RS

Environmental baseline mapping definition ... using RS

Sea Ice mapping and monitoring ... using RS

Users of Remote Sensing data in the O&G business

Functions in 'a company' using Remote Sensing data products:

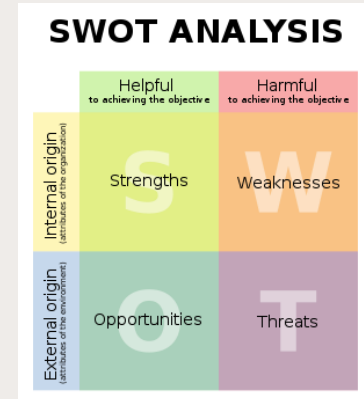
- **Environmental Function:** baseline mapping ; timeline monitoring
- **Heritage Function:** Evidence mapping ; change detection
- **MetOcean Function:** Wind , Waves & Water
- **Exploration:** Seepage mapping ; site reconnaissance
- **Civil Engineering:** baseline mapping ; infrastructure monitoring ; cut & fill
- **Production:** Subsidence monitoring ; asset mapping
- **Safety and Security:** Fire & floods ; breaches of security
- **Emergency:** Situational awareness ; event monitoring
- **Geomatics:** Survey operations planning ; elevation mapping
- **Corporate:** Background images ; insurance verification

RS in the O&G business: Challenges and Opportunities

What are we doing well ? *You always hear about that*

What are we not doing well ?

SWOT and nothing ever happens



SHARING & LEARNING => CHANGE =>IMPROVEMENT

Challenges and Opportunities

What are we **not** doing so well ?

... without dwelling on specific applications: here or there does not matter and it also applies to many other disciplines

Communicate: OGEO / ESA workshop / OGP exposure

Share the learning: OGEO Portal / workshop

Allow change: demonstrate to our business the **VALUE**
(of improvements by using RS)

But for whatever we are doing we need some justification

We call it a **Business Driver !!**

Challenges: convincing the business

Cost driven environment: Shareholder value !

So if we can save money (short or long term expenditure)

– we got a foot in the door ...

Examples: Satellite vs. airborne monitoring

Environmental conscious: Yes we are !

So if we can better protect the environment

– we got a foot in the door ...

Examples: Satellite monitoring to avoid ext. fieldwork

Safety assured: always 200 %

So if we can improve our procedures

– we got a foot in the door ...

Examples: Infrastructure mapping to improve ER response

Challenges: using the technology

- Do we need new sensors ? Well – may be – but more important is the implementation of existing and well tested operational technologies and reliable services for the O&G industry
- Do we need more data ? Well – may be – but more important is the use of existing data to is max. value and to is max. capability e.g. by combining information from multiple sources and times
- Do we need more products ? Well – may be – but more important is the demonstration of reliable, repeatable and reproducible ways of using the RS data for the specific O&G applications

What we like to see is **Value for Money** !!

Opportunities !!

- Environmental Function: baseline mapping ; timeline monitoring
- Heritage Function: Evidence mapping ; change detection
- MetOcean Function: Wind , Waves & Water
- Exploration: Seepage mapping ; site reconnaissance
- Civil Engineering: baseline mapping ; infrastructure monitoring ; cut & fill
- Production: Subsidence monitoring ; asset mapping
- Safety and Security: Fire & floods ; breaches of security
- Emergency: Situational awareness ; event monitoring
- Geomatics: Survey operations planning ; elevation mapping
- Corporate: Background images ; insurance verification
- and quite a few more ...