WITSML, PRODML and National Data Repositories could together deliver real benefits

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(and board member Energistics)
There are real benefits if we can find a way of working together.
Centralized monitoring of drilling operations
But are the oil industry really collaborating?
Here are some examples...
CDA – UK’s NDR

MANAGEMENT TEAM
- Chief Executive (LON)
- Commercial Manager (LON)
- Operations Manager (ABZ)
- Service Manager (ABZ)

Other DM Initiatives

CDA DataStore
- Raw digital well logs
- Joined digital well logs
- Well report images
- Well log images
- Well deviation data
- Seismic navigation data

Operated for CDA by..
Why were / are they successful?

- Common goals
- No competitive advantage
- Trust amongst participants

- In some instances because of Government!
What stops us collaborating more?

- User perception of security
- User perception of quality of data
- Timeliness of data

- Standards
- Culture
- Money
Standards
Culture
Money

- Personal view
Governments want your money, but they can help collaboration.
NIRVANA

All the data I want available when I want it in a form I can use and correct
UK Oil Portal

Web Sites

DEAL

EEMS

XML

XML

XML

XML

XML

Other Govt Depts

Oil companies

Document Management System

Repository
Linking a Regulatory Body to an NDR

Well numbering !!

Oil companies

Spud Notification

CDA/DEAL

Web service

WITSML (?)

Extend for: **Seismic Surveys, Licensing, etc etc**
Sharing requires a common language

Standards for

- Basic well data (meta data)
- Seismic survey names
- Seismic line names
- Cataloguing
A possible future –

The DECC vision

• Portal software used elsewhere
• Cooperation between governments
• Easier to agree standards
UKOIL PORTAL

as Open Source [ www.foxopen.org ]
What is Open source?

Effectively FREE software

Is there a catch?
but who has heard of

- Apache
- Linux
- Red Hat
- Tomcat
- GoogleEarth / Street map
Commodities are free but

- You need services to make them work
- Ideally you need a community to work in

Bottom line is IT WORKS
Will Open Source techniques work in the oil industry?

- For Geophysics, Reservoir Simulation etc

NO

- For meta data, data exchange, reference data, regulatory reporting

YES - LET’S TRY - BUT HOW?
In the beginning there was .............
.... but some people had an idea.
And now there is ........

Tanzania
Angola
Ghana
Oman
Kazakhstan
Turkey
Malaysia
Kenya
Nova Scotia
China

Norway
UK
Holland
Russia
Siberia
Alberta
South Africa
USA
Namibia
Brazil
Columbia
New Zealand
NDR meetings

1. London
2. Norway
3. Canada
4. Norway
5. USA
6. Holland
7. Columbia
8. South Africa
9. India
10. Brazil
11. Malaysia (2012)
Why have NDR meetings?

- Meet other people doing same work
- Share ideas, learn
- Cooperate – standards
Have we met these early ideals?

- Still only minimal cooperation
- No Focus for these meetings, which makes running them difficult.

But

- We have got to know each other
- More countries are attending and building their NDRs
What can we do next?
So what is proposed

- Set up E-Regulatory SIG via Energistics
- Energistics host a facilitation environment
- It can all happen on the web
- Communities form for specific projects
- Standards can emerge from parts of WITSML, PRODML etc
- [Energistics will “own” anything built]
- Anything deployed will be freely available
- Whole exercise completely open
What has happened

- E-Regulatory SIG embryonic
- UK Oil Portal offered freely
- Technology that built this **FOXOPEN** is now Open Source
- Huge desire for data exchange standards
- Trying to encourage cooperation amongst Regulatory Bodies
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but ..................................
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www.foxopen.com  (Open source software site)

www.og.dti.gov.uk  (UK Oil Portal)

www.odal.com  (UK NDR)

www.energistics.org  (Oil industry standards / NDR)

www.fivium.co.uk  (Portal consultancy)