



BG Group

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Outline



- Introduction
- BG New Ventures
- GIS at BG what we have
- Background to GeoPortal where we started
- GeoPortal Workflows where we are
- GeoPortal for Collaboration where we're going
- Conclusions

About BG - Overview





20+

5,000 PEOPLE

70 NATIONALITIES

Global New Ventures



Existing hubs

- Leverage our current positions
- Maximise use of existing infrastructure
- Build on knowledge of local geology
- Extend relationships with governments and key stakeholders

New basins

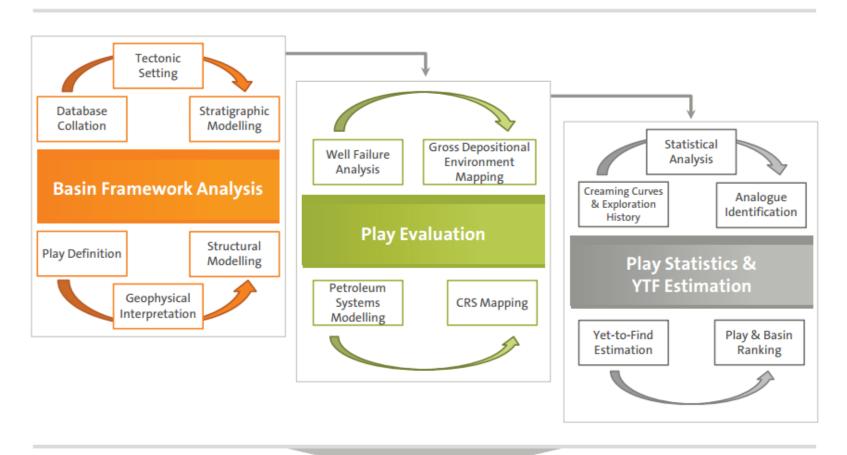
- Focus on finding new giant discoveries
- Employ Exploration's wide technical skillset
- Target low cost, early entry
- Leverage commercialisation skills to gain access

Delivering

About BG - Exploration



More than 100 screened and evaluated in 2014





GIS at BG Group

- Use ESRI's ArcGIS platform
- Desktop GIS one of several core tools for G&G
- 150+ users at TVP

A further 150+ users in the assets

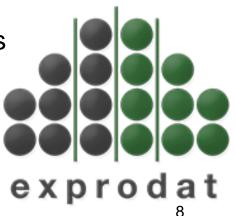
Use dominated by subsurface community



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GIS at BG Group

- Support provided by onsite team of consultants from Exprodat
- Support requests vary from simple 'how to...' questions to complex workflow development
- Development and documentation of key workflows used by Exploration
 - A number nominated for internal "Chief Executive Innovation Awards"
- Data management of vendor and key corporate datasets
- Support for BG GeoPortal





GeoPortal Project Background

Where we started

- "40-50% of my time working on a New Ventures project is spent looking for data and it is often a challenge to evaluate in a timely manner" Exploration Manager
- "Unless you have spoken to the right people, it can be easy to overlook potentially valuable data sources purely because you were unaware of their existence."
 Geologist
- New Ventures team have a unique set of data management and acquisition requirements not adequately addressed by any existing, or proposed solutions at BG
- Data sources vary regionally
- Internal data sources structured databases, unstructured data, 3rd party studies, corporate data
- External data- free, subscription, purchased

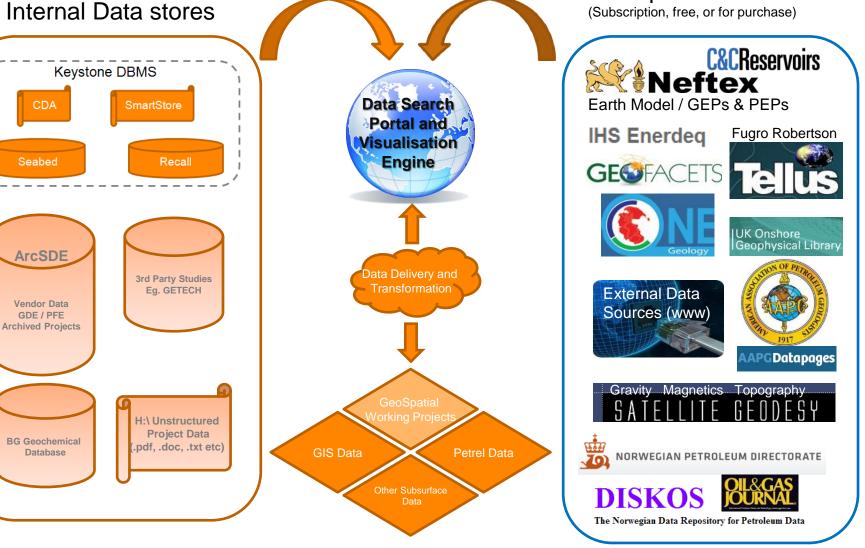
GeoPortal Vision

A Single Data Search, Visualisation and Delivery Mechanism



Example External data

(Subscription, free, or for purchase)





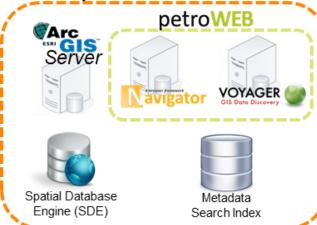
GeoPortal Project Background

Initial Solution

Geoportal Web Interface



Geoportal Architecture

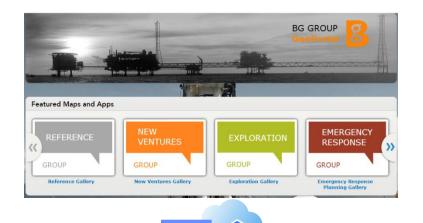


- PetroWeb Navigator + Voyager
 Search + ArcGIS Server + Data = BG
 GeoPortal
- Structured data exposed via map services
- Unstructured data- 'embrace the chaos' and expose via searchable indexing tool
- Simple to use front-end interface map interface with hyperlinks through to commonly used repositories

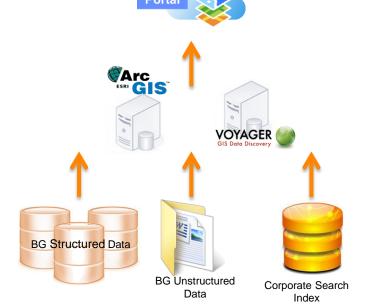


GeoPortal Project Background

Revised Solution – where we are



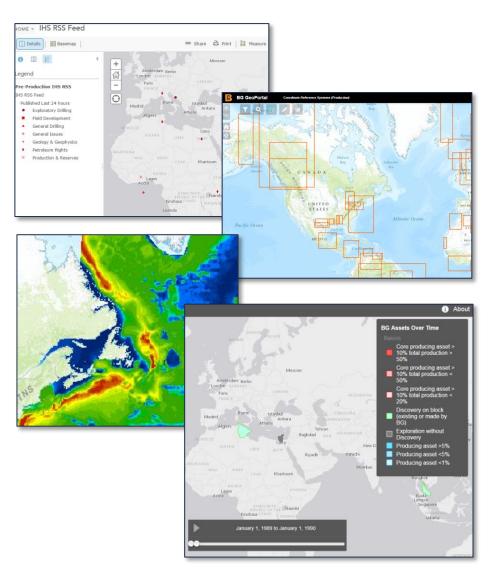
- Portal for ArcGIS + Voyager Search + ArcGIS Server + Data = BG GeoPortal
- Targeted mapping applications replace 'all-in-one' interface
- Search & visualisation still at core
- Development of widgets to replace Navigator functionality





GeoPortal Workflows

Where we are



- Single point access to myriad data sources
- Mapping applications for specific purposes…
- IHS Daily Alerts location of each news item updated by RSS feed
- Coordinate reference systems- find which CRS you should be using
- Timeslider- BG production through time
- Pre-loaded apps with base layers (Geology, Geophysics, Vendor, etc.)
- High impact wells tracking



Where we're going

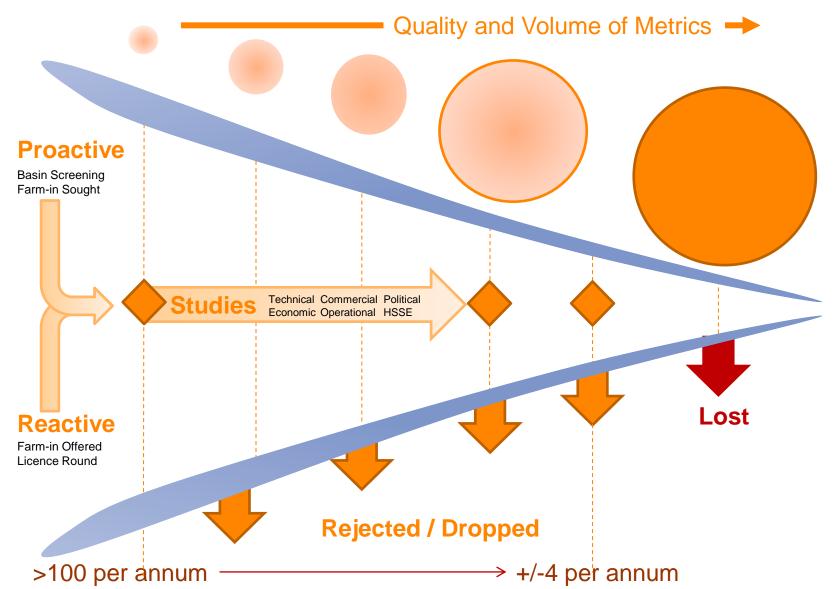
- BG Group has a strong track record of opportunity creation in a complex technical and commercial business.
- As competition for access grows ever stronger, there is little room for complacency or inefficiency. New opportunities have to be identified, evaluated and acted upon quicker than ever before in an increasingly connected world.
- Over the past four years, BG Group has screened more than 700 discrete growth opportunities.

This is a highly dynamic and multi-dimensioned portfolio of opportunity that changes over time in terms of evaluated metrics and perceived risks

Collaborative working is key, across assets, disciplines and decisionmakers

The majority of the portfolio exists, first and foremost, on a map







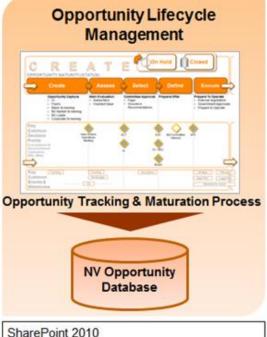
Where we're going

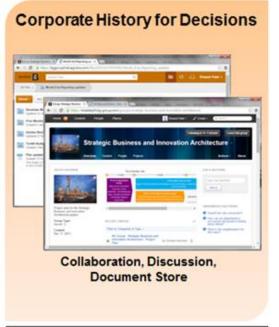
Growth Portal created as IT Innovation Project run by TCS



Security (Authentication, Authorisation)







Jive



Where we're going

- Three main components to meet needs of different business units
- GeoPortal as front-end mapping application with custom widget
 - Opportunity comes in open map and create an opportunity in point layer linking to underlying block information
 - Other attribute information added;
- SharePoint[™] as management, tracking & reporting interface
 - Opportunity updated in SharePoint- syncs with GeoPortal map
 - Tracks history through stage-gates to continuation / closure
- JiveTM area created from SharePoint automatically to facilitate discussion
 - Documents can be added, edited, discussed
 - Provides history of the discussion on the opportunity



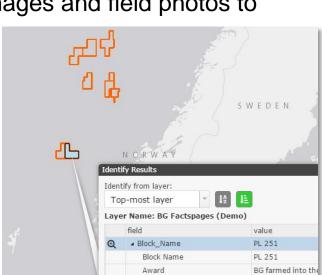
Where we're going

Other ideas & projects in pipeline:

- Growth Portal phase II
- 'Who Knows What Where' searchable database of areas of knowledge of geoscientists
- 'BG Fact Pages' history of licences BG have worked, what became of them, etc.

'Rock on the Desk' easy access to core images and field photos to

make rock more accessible



Questions & Answers

