

United Kingdom – Country Report

NDR 2019, October 14-17 2019

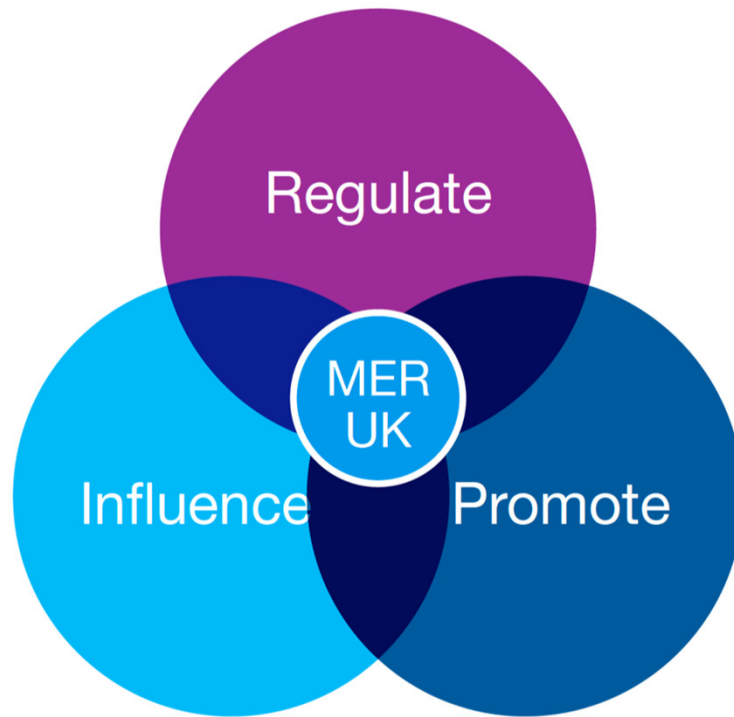
NDR Key Parameters



Name of the NDR	UK National Data Repository
Type of organisation	Oil and Gas Authority. UK Government Company vested in 2016.
Operating since:	2019
Employees:	Approx. 20 (OGA Staff and contractors)
State participating agency:	Oil and Gas Authority
State Supervisor:	Department of Business, Energy and Industrial Strategy (BEIS)

Type of data	
Onshore	Yes (Via Energy Portal/Open Data)
Offshore	Yes
Licence information	Yes
Production information	Yes (Via Energy Portal/Open Data)

What does the OGA do?



“the ready access to timely data is a prerequisite for a competitive market and this is even more important in an industry which relies on good data to create value”.

The Wood Maximising Recovery Review

The foundations for digital change



Wood Review 2014
– The Mandate



Energy Act 2016 –
The Powers



2016 - Open Data
and new Website



Sector wide
guidance – As is



Information and
Samples legislation



Palantir – World's
largest O&G
economic model



Sub surface
hackathons



2019 - UK NDR



Production
Efficiency
Dashboard



2019 – Digital
Strategy



The OGA became the catalyst for digital change

Challenges for the OGA

7 Digital, Data & Technology challenges



Information &
Samples Plans



Information &
Samples Regs



PON9



Single OGA digital,
data and technology
platform



Agile approach



Leadership buy-in
& endorsement



Digital
Champions



Culture
change

Our digital strategy relies on a combination of people, processes and regulations

Value of information and samples



KEY BENEFITS

- Collection of data
- Maximising value
- Transparent access
- Enables collaboration

60%
public users

215GB
of new, targeted
well data loaded

“ This latest release of carefully targeted, value-adding data demonstrates the OGA’s continued commitment to supporting industry in its efforts to revitalise exploration.”

Dr Jo Bagguley, Principal Regional Geologist at the OGA on 32nd Offshore Licensing Round

“ Effective use of data can be a game-changer, delivering improved safety, reliability and efficiency.

Ariel Flores, Regional President for BP North Sea

The National Data Repository

NDR NATIONAL DATA REPOSITORY
2019
Utrecht, The Netherlands

 Oil & Gas Authority

173Tb
of Data Downloaded



5,000
Seismic Surveys



265,000
Well Logs



300km
of Core



3,063
Pipelines



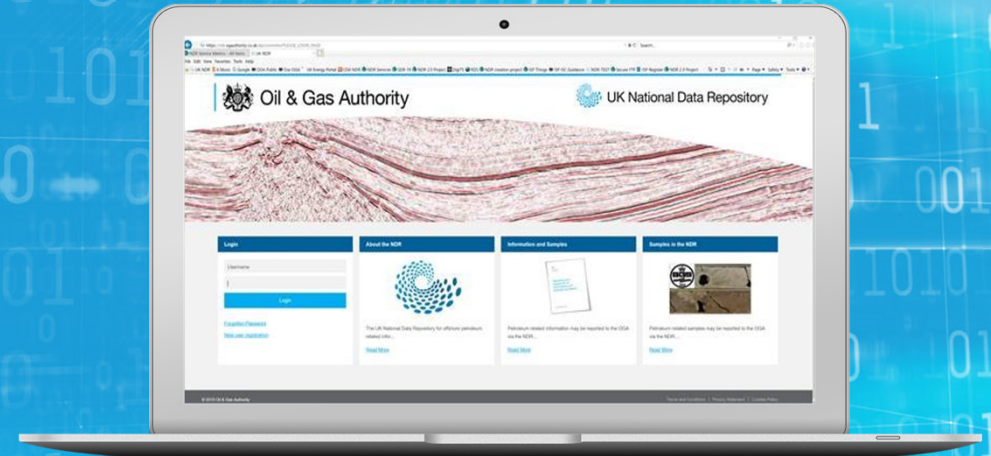
3,189
Sub-sea Installations



12,000
Wellbores

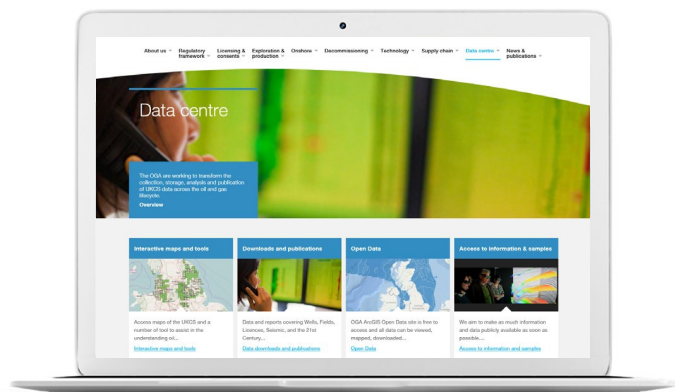


690
Surface Installations



Data is freely available to anyone in the world – not just the UK

OGA Open Data



99.4M

Spatial server requests

700%

growth in server requests
since OGA established

60k+

users



View it



Map it



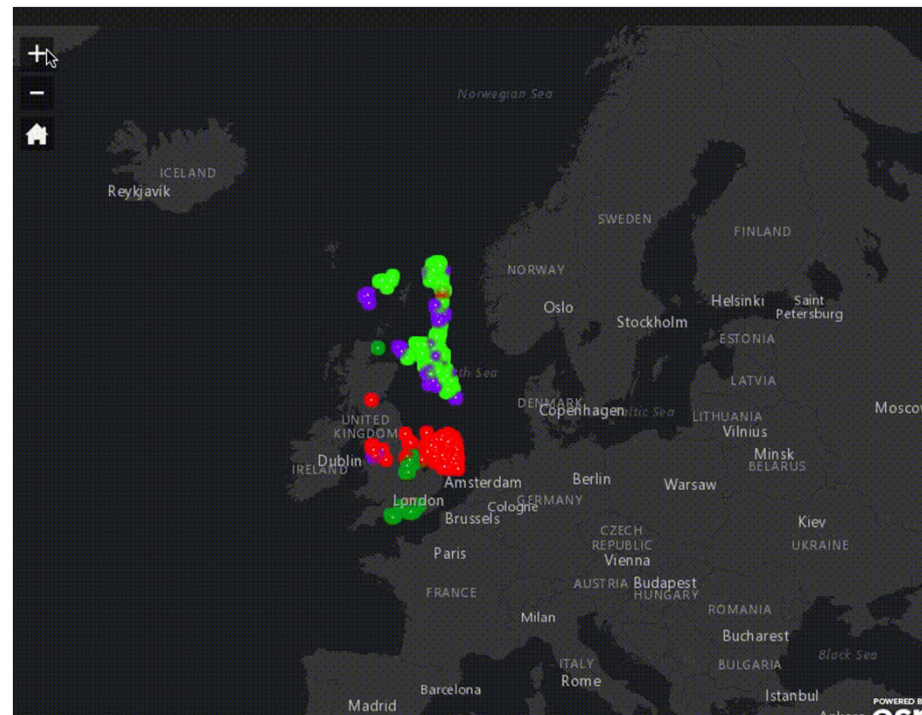
Chart it



Download it



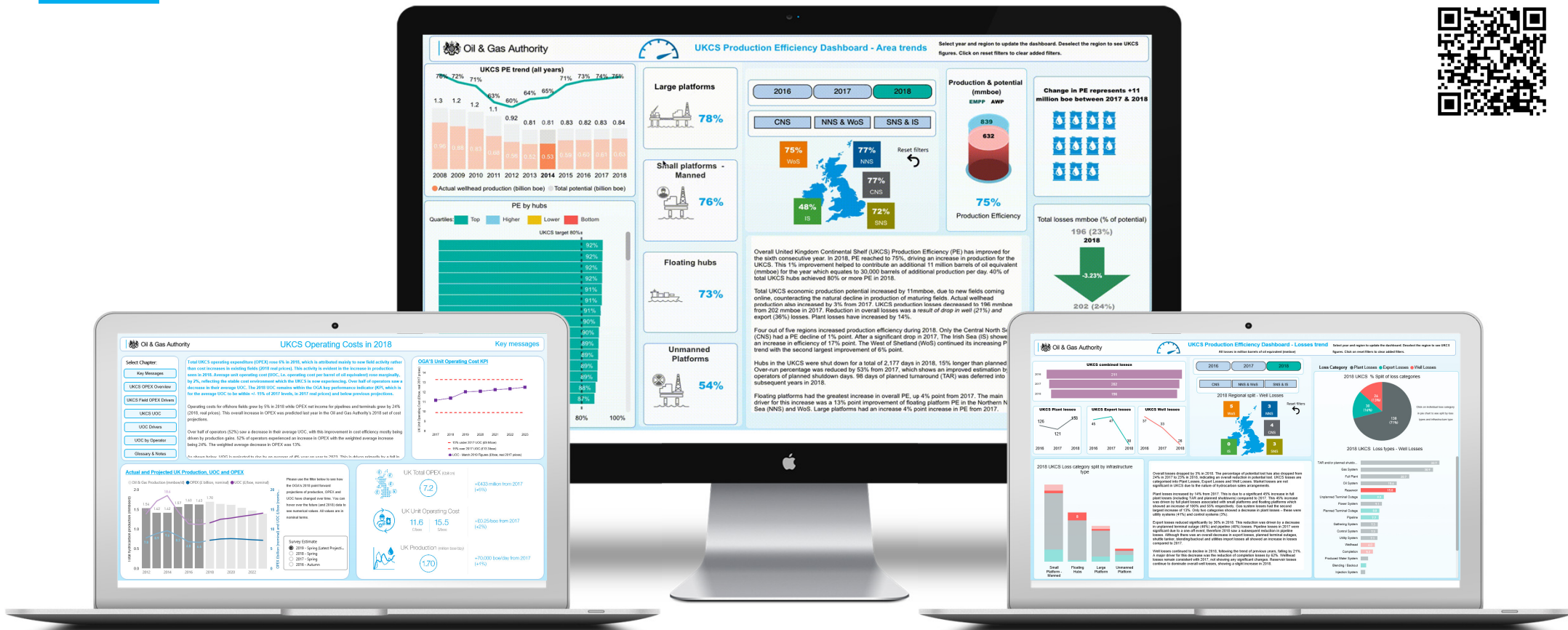
Share it



Comprehensive data only a few clicks away

Freely accessible to all – view, download, share

Performance Benchmarking



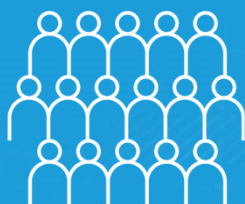
Benchmarking of UKCS production efficiency and operating cost with interactive visuals

Digital Energy Platform Users



70,000

visitors to OGA's website
with the express purpose
accessing data



183TB

of data downloaded
from OGA digital platform



Users from

184

countries have used the
OGA digital platform



750k+

page views across the
OGA Digital Platform



4578

registered users of NDR
(60% public)

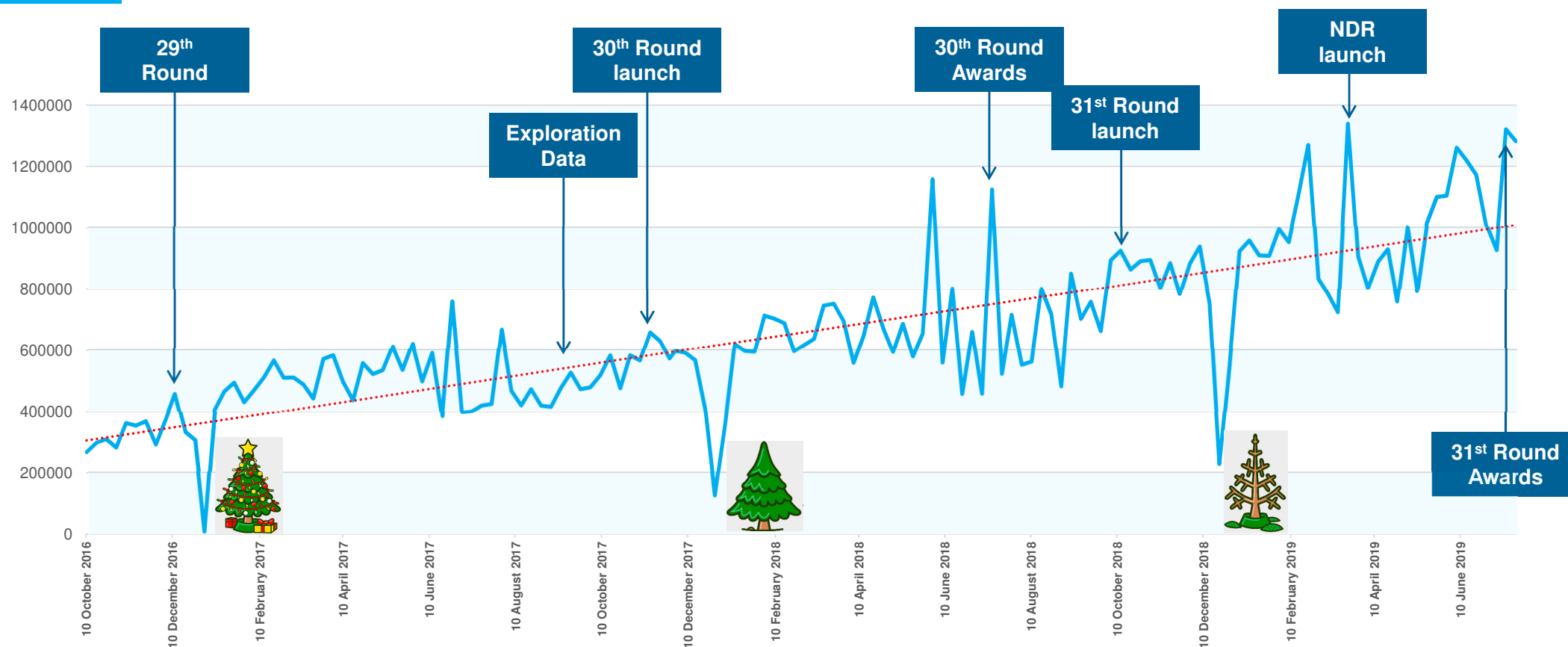


**Science thrives on the open
exchange of information and ideas,
and I commend the Oil and Gas
Authority for making a wealth of
valuable data freely available”.**

Professor George Boyne, Principal, University of Aberdeen

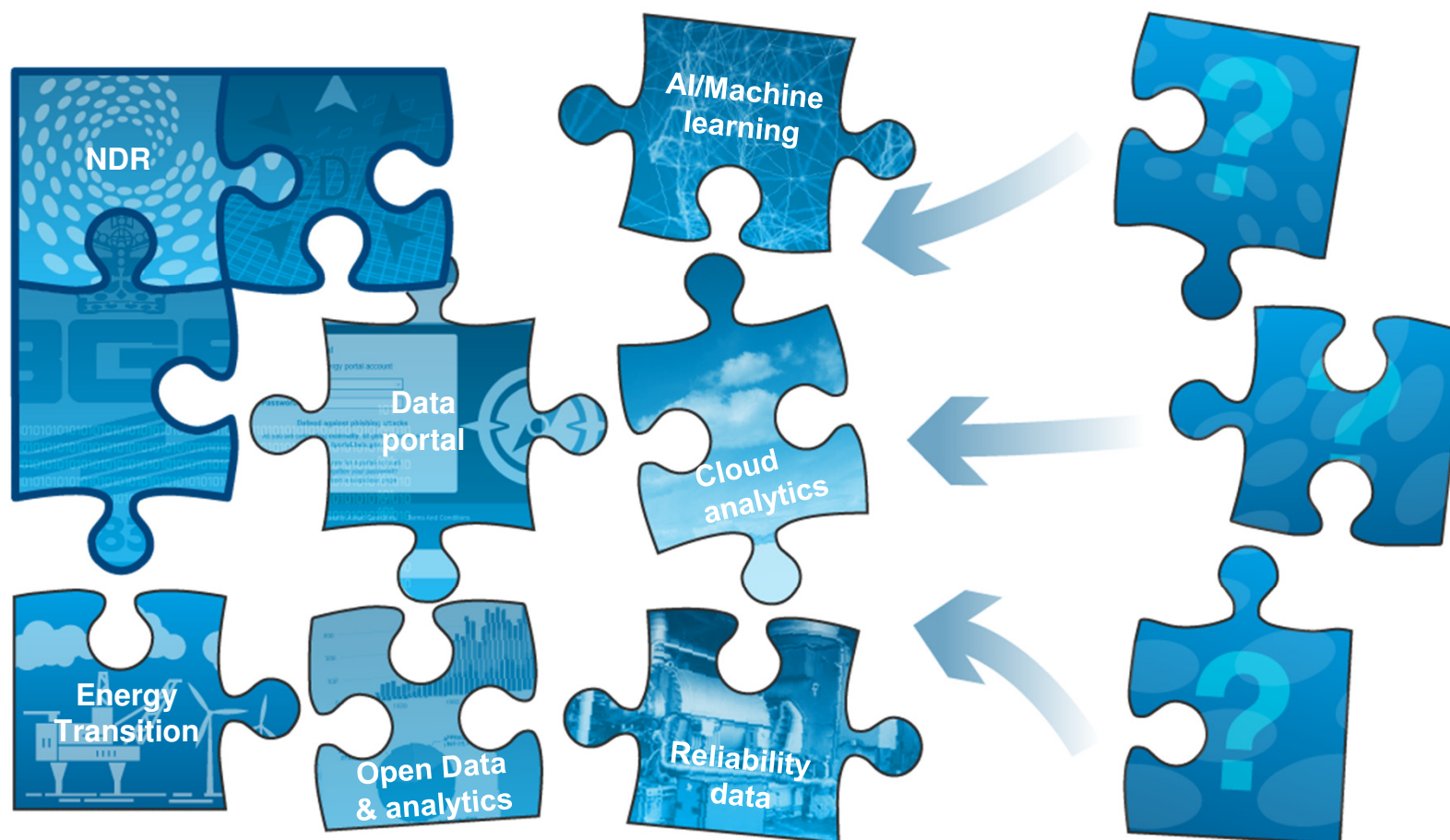
Freely available to all

Use of OGA's Digital Energy Platform



There is a constant rise in the use of the OGA's digital data platform, exhibiting the worth of data in this digital era

The Future



Work with us to create shared future

Thank You



Oil & Gas Authority

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Head of Digital Services

Tanya Knowles

Digital Optimisation Manager

David Lecore

Compliance Manager

Phil Harrison

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Any Questions?
