



**Oil & Gas  
Authority**

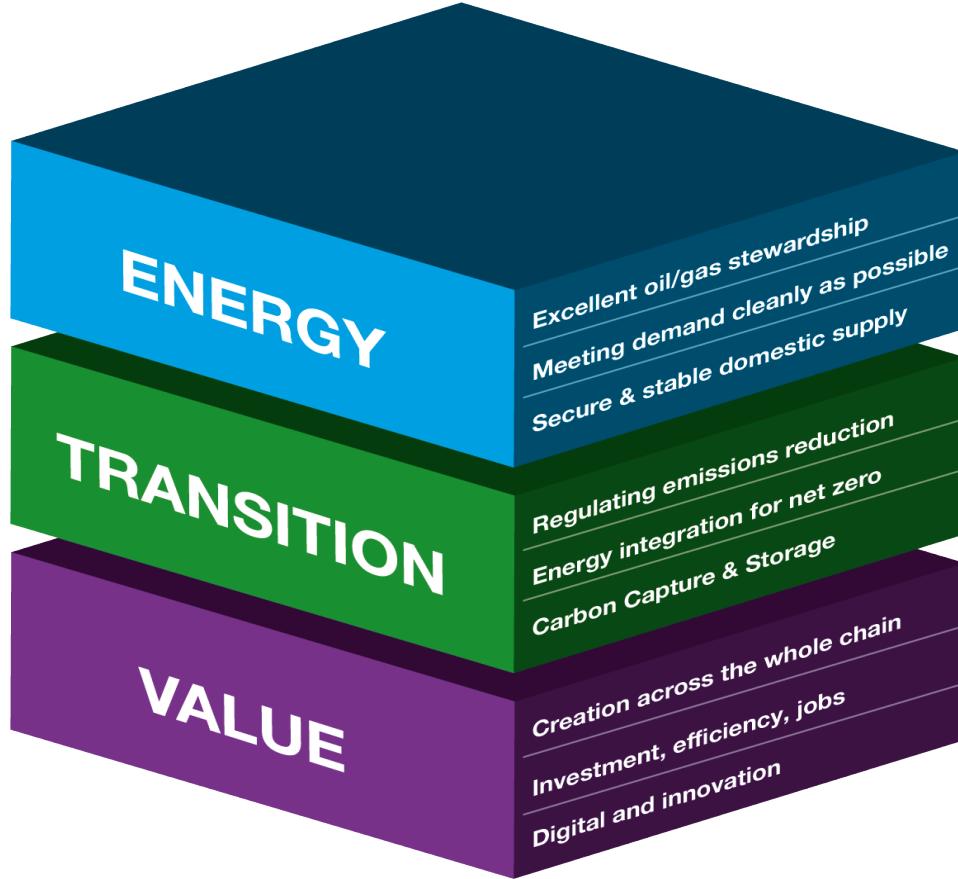
# Welcome

Digital Transformation at the Oil & Gas Authority

**John Seabourn, Chief Digital Officer**

**Tanya Knowles, Head of Digital Services**

# OGA's role



Oil & Gas Authority

## Strategic Vision Digital Strategies



## Early Action Open data, NDR, website & access to data



## Powers Energy Act 2016 Petroleum Act 1998



## Early Outcomes Improved compliance, benchmarking & data quality

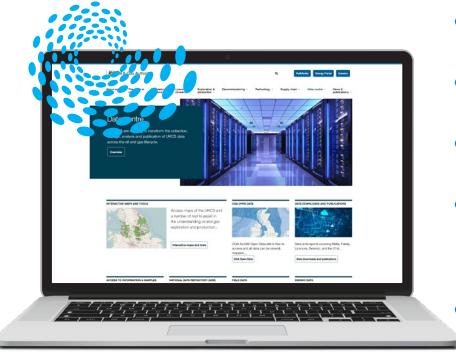


Creating value through strategic approach and focused action

# Power of data and digital

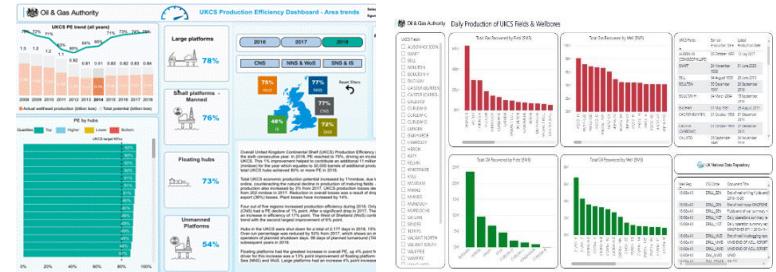
## Digital Energy Platform

- Public access
- Downloadable data
- Cloud based
- Integrated with other data sources
- Authoritative

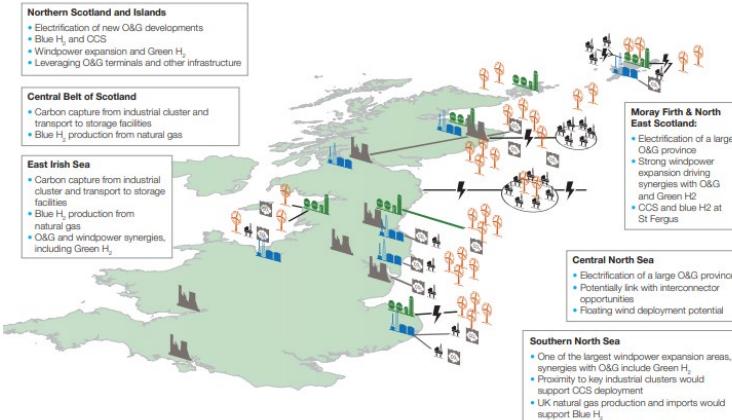


## Insights

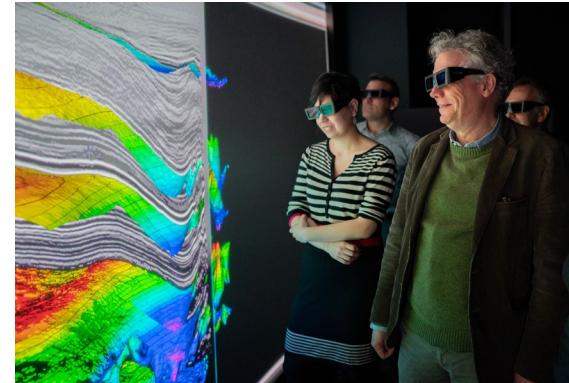
Benchmarking and open data to encourage positive action



## Energy transition & integration

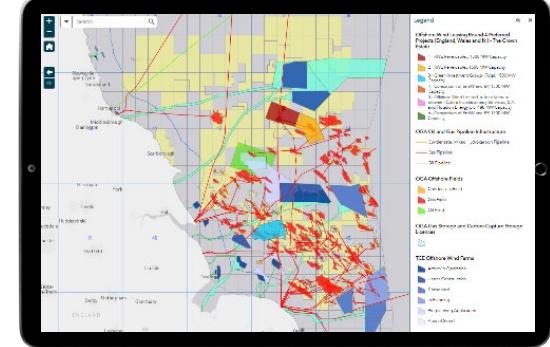


## Exploration

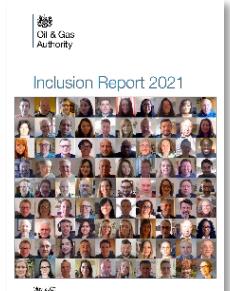


## Hydrocarbons & CCS

## Geographic Information Systems (GIS)



## Transparency



## Energy Pathfinder

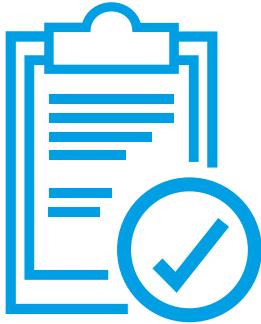
## Inclusion

Digital excellence unlocking numerous insights and opportunities

# The foundations for digital change



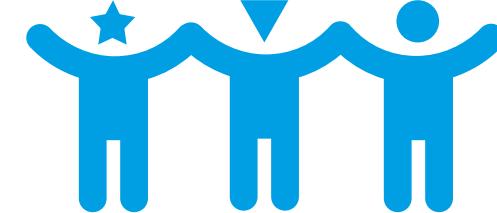
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**The Mandate**  
**The Wood Review (2014)**



**The Powers**  
**The Energy Act 2016**  
**The Petroleum Act 1998**



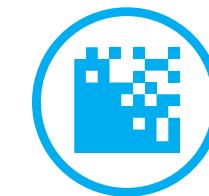
**The Team**  
**Digital, Data & Policy**



**The Early Action**  
**Open data, NDR, website & access to data**



**The Early Outcomes**  
**Improved compliance, benchmarking & data quality**



**The Strategic Vision**  
**Digital Strategy (2020)**

The OGA became a catalyst for digital change

# OGA Digital Strategy



Oil & Gas Authority

To create value for the OGA, industry and stakeholders by delivering digital, data and technology excellence

## Five Pillars

- People, skills & culture
- Transform access to information
- Analytics & intelligence
- Collaborate, partner & assure
- Influence & promote



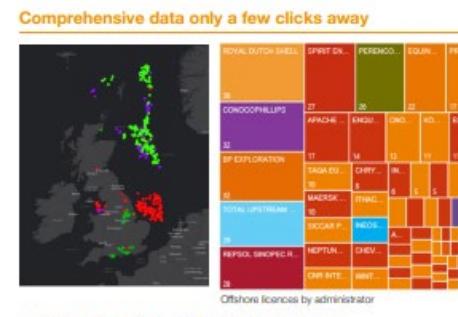
A screenshot of the OGA Data Centre interface, showing a dashboard with a woman in a headset, a green heatmap, and several data cards.

**155M** 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



Offshore licences by administrator

ROYAL DUTCH SHELL	SPRINT OIL	PESQUERO	EQUIN	PIC
21	26	23	17	
CONOCOPHILLIPS	APACHE	ENI	ONGC	SMR
22	17	14	10	11
BP EXPLORATION	AGIP ED	CHRY	OC	
10	20	5	5	
DONG	MAERSK	THNG		
24	10	5	5	
REPSOL SINOPEC R	OCGAR P	INOC	A	
	HEFTUL	CHIN		
	CHINATE	ABP		

Online Production Efficiency Dashboard



## OGA Digital Strategy 2020- 2025

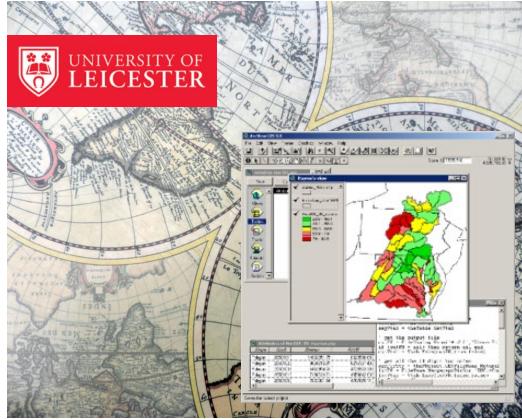


To make digital, data and technology work for everyone to deliver MER

# How did I get here?



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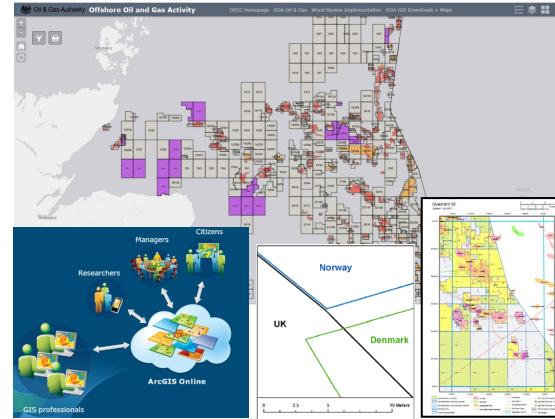
## No idea what to do!

- I liked geography and computing (I still do!)
- Turns out I found Geology quite interesting too
- BSc Geography/Geology



## I like spatial problems

- MOD (twice) as a Geospatial Analyst. Ensuring frontline forces had high quality situational awareness
- NATS as an Air Traffic Controller. Probably the quickest spatial problem you'll find



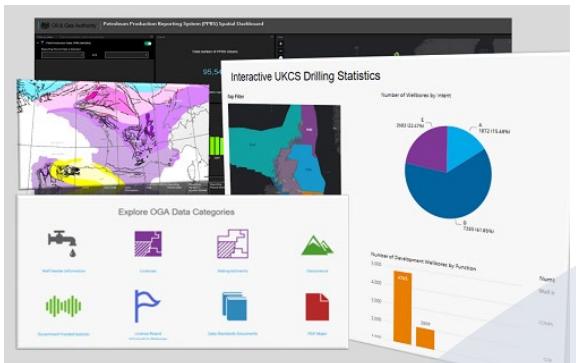
## An amazing industry

- DECC (2014) as GIS manager. Began to develop GIS capability (pdf and shapefile)
- DECC to OGA ensured we rooted GIS in our website, people and general decision making

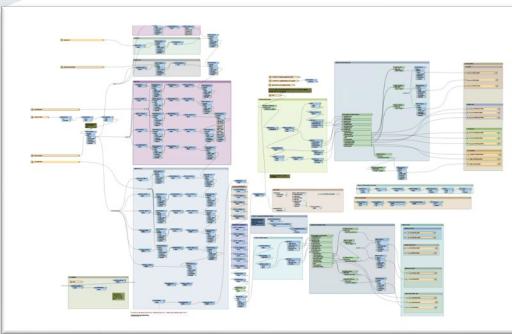


## Beyond the spatial

- OGA Head of Digital Services. Built team to deliver digital/data change
- OGA Chief Digital Officer. Ultimately responsible for our digital/data strategy and implementation



2017



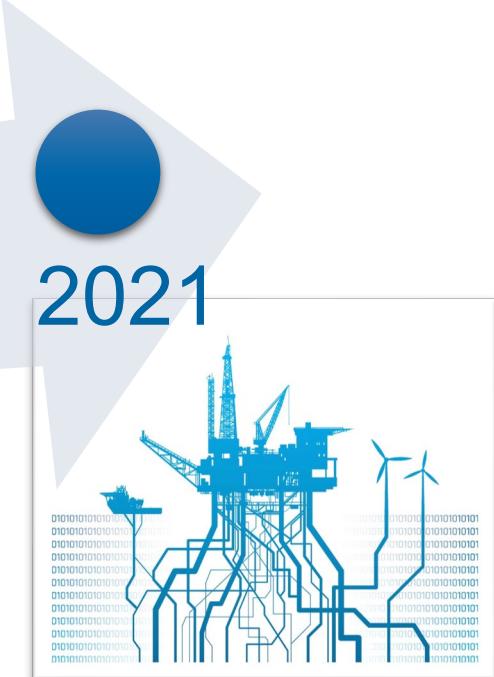
2018



2019



2020



2021

Different experiences, new horizons



# Oil & Gas Authority

## Q&A

Digital Transformation at the Oil & Gas Authority

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