

Questionnaire results!

Objectives



- Get more structured info on out comminty
 - Look for common topics and developments
 - See trends over time
-
- 6 responded! (that's 40%)

Topics



- “Metadata” on the NDR
 - Organisation / datatypes / IT
- Standards
 - Data storage
 - Metadata
 - Data exchange
- Technology / Strategies
 - Outsourcing / Cloud
 - Open souce
 - AI / Big Data

Results: respondents

Country	Organisation or NDR	Total nr. of	DM nr. of s	IT nr. of staff
Nigeria	Department of petroleum resources	8	3	3
Australia	Geoscience Australia	15	15	45
Denmark	Geological Survey of Denmark and Greenland	300	25	7
United Kingdom	Oil and Gas Authority (OGA)	163	24	9.5
Ireland	Petroleum Affairs Devision (PAD)	15	5	0
Netherlands	Geological Survey of the Netherlands	70	40	30

Q7 Do you outsource delivery of your NDR?

Answer	Respondents	Percentage
Yes	1	14%
No	6	86%

Q10 Do you develop database systems and software in-house?

Answer	Respondents	Percentage
Yes	5	83%
No	1	17%

Results: Datatypes

Q9 What kind of data do you have in your NDR?

Answer	Respondents	Percentage
Boreholes	5	83%
Wels	6	100%
Borehole loggs	6	100%
2D sismics	6	100%
3D seismics	6	100%
Licences	5	83%
Production data	5	83%
Cuttings	4	67%
Cores / cuttings	5	83%
Liquid samples	3	50%
Infrastructure & pipeline location data	5	83%

Results: in or out house

Q11 Do you have a strategy for what you want to develop in-hous?


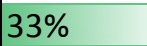
Answer	Respondents	Percentage
Yes	5	83%
No	1	17%

Q12 Have you already outsourced or are you considering to outsource any of these tasks: (1) Development of database systems and software (2) Operation of database systems and software?





Answer	Respondents	Percentage
Outsourced development	3	100%
Considering outsourcing development	2	67%
Outsourced operation	2	67%
Considering outsourcing operation	2	67%

Results: open source



Q13 Do you already use Open Source tools (this concerns geoscience information purposes. It does not consider operating systems, office systems (etc.)?)

Answer	Respondents	Percentage
Yes	4	67% 
No	2	33% 

Q15 In which areas do you use Open Source tools?

Answer	Respondents	Percentage
Databases	2	40% 
GIS	3	60% 
Web development	4	80% 
Other	2	40% 

Q16 Do you have a strategy for increased use of Open Source tools?

Answer	Respondents	Percentage
Yes	2	40% 
No	3	60% 

Results: data policy

Q19 Do you have written data policy and data governance documentation?

Answer	Respondents	Percentage
Yes	4	67%
No	2	33%

Q20 Do you have specific processes implemented to support data governance within your organisation?

Answer	Respondents	Percentage
Yes	4	80%
No	1	20%
Other	0	0%

Q21 FAIR data principles?

Answer	Respondents	Percentage
I heard about them	2	33%
We are using the in our NDR	3	50%
I don't know what it is	1	17%

Results: confidentiality

Q22 Are some of your data types confidential for a certain amount of time?

Answer	Respondents	Percentage
Yes	6	100%
No	0	0%

Q23 If some data types are confidential, what's the time period involved?

2 to 5 years

2 to 15 years

2 or 5 or 10 years and indefinite according to data type

Varies according to data type

4 to 10 years

3 months, 5 years, 10 years

Q25 Are the corresponding metadata also confidential?

Answer	Respondents	Percentage
Yes	1	17%
No	4	67%
Other	1	17%

Results: in and out

Q26 Do you charge for delivering certain kinds of data?

Answer	Respondents	Percentage
Yes	6	100%
No	0	0%

Q27 How is the data being delivered to your NDR?

Answer	Respondents	Percentage
Data files (e-mail, portal upload)	4	67%
Web services	3	50%
Physical media (tape, external hard disk, etc.)	6	100%
Other (may include cloud, FPT, file transfer etc.)	5	83%

Q30 How do you create access to the data in your NDR?

Answer	Respondents	Percentage
Web portal	4	67%
Web services	4	67%
Physical media (tape, disk, etc.)	6	100%
Accelerated file transfer software (e.g. IBM Aspera, Signiant, etc.)	2	33%

Results: standards

Q34 Which (exchange-)standards have you implemented (at least partly)?

Answer	Respondents	Percentage
ISO 19115	3	50%
ISO 19115-1	2	33%
ISO 19119	1	17%
GeoSciML	0	0%
GroundwaterML	1	17%
EarthResourceML	1	17%
BoreholeML	1	17%
Observations and measurements (O&M)	2	33%
SensorML	0	0%
RESQML	0	0%
PRODML	0	0%
WITMSL	0	0%
INSPIRE	4	67%
LIS/LAS/DLIS	6	100%
SEG-D, SEG-Y	6	100%
IOGP	3	50%
GeoJSON	2	33%
Other	0	0%

Results: Technology

Q37 Is the data in your NDR open for others to use in their Big Data / Linked Data technologies?

Answer	Respondents	Percentage
Yes	4	67%
No	2	33%

Q38 Are you working with Big Data technologies in your NDR?

Answer	Respondents	Percentage
Yes	1	17%
No	5	83%

Q39 Are you working with machine learning or other artificial intelligence technologies in your NDR?

Answer	Respondents	Percentage
Yes	1	17%
No	5	83%

Results: useful

Q41 **Did you find this questionnaire useful? (1-5)**

Average	2.8 +/- 1.5	2,8
Maximum score	5	
Minimum score	1	