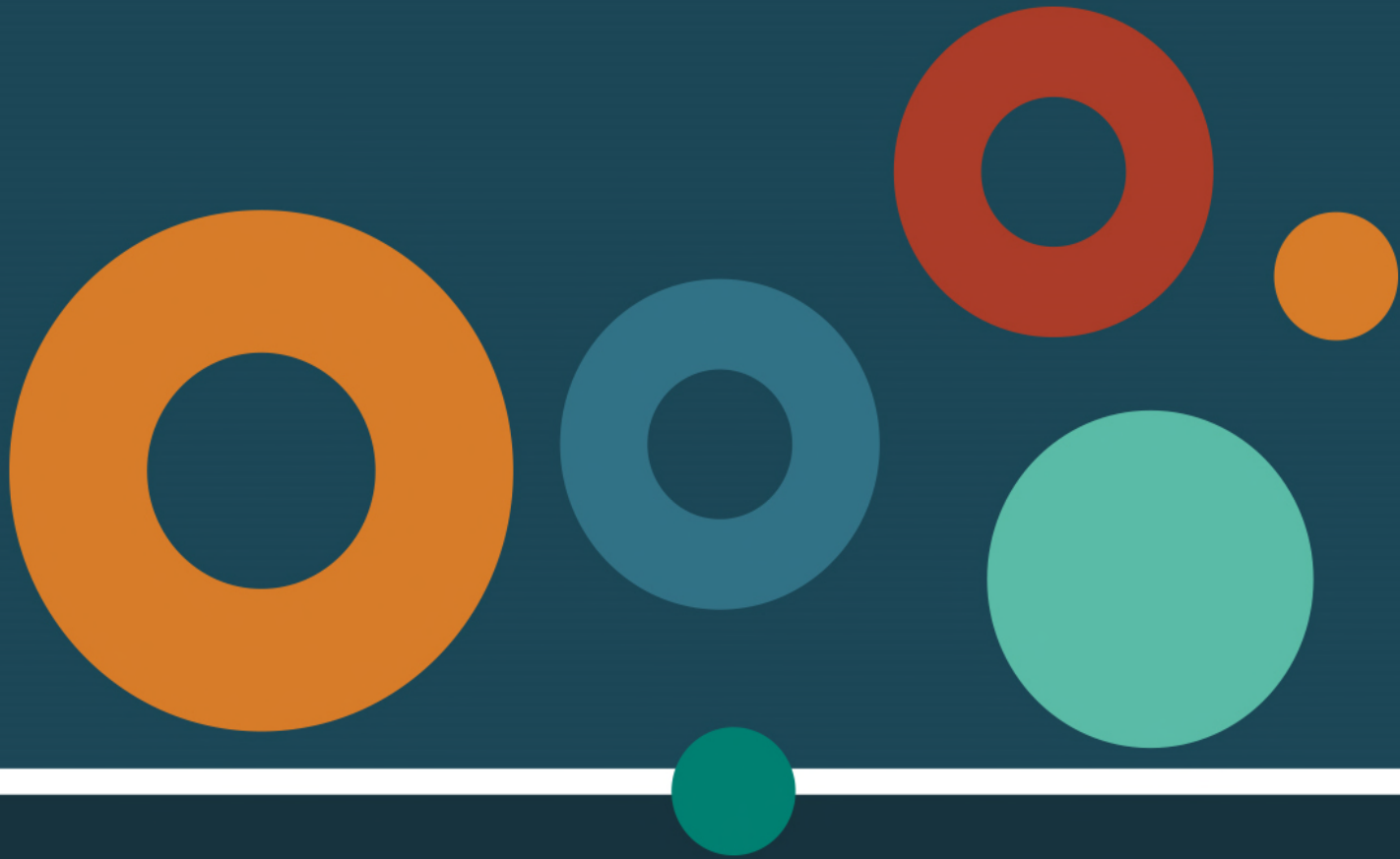


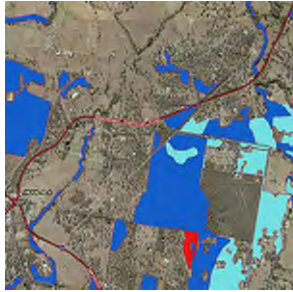
Open Data Strategy



2018—2020

opendata@dnrme.qld.gov.au

Our open data in action



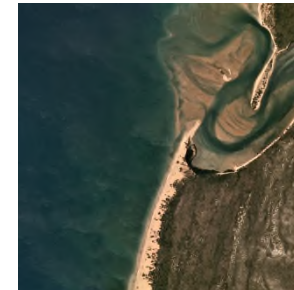
Queensland Globe flies high for agriculture

"Queensland Globe has certainly made our job easier. It's enabled us to understand the Regulated Vegetation Management Mapping much better and ensures we can get the information we need into our equipment to accurately locate areas for treatment."

Graham Fosset
FMC Australia

Satellite imagery available for free

The Department has made available high resolution satellite imagery for free under a Creative Commons license. This imagery will aid disaster and environmental management, fire and emergency response as well as infrastructure planning and development.



Contents

Principles	Page 4
Why is Open Data Important	Page 6
Our Strategic Plan	Page 11
Appendix 1 – Published Data	Page 19
Appendix 2 – Data Publishing Schedule	Page 20
Appendix 3 – Closed Data	Page 21





Our Principles

Principles

Queensland Government and Department of Natural Resources, Mines and Energy's commitment to open data.

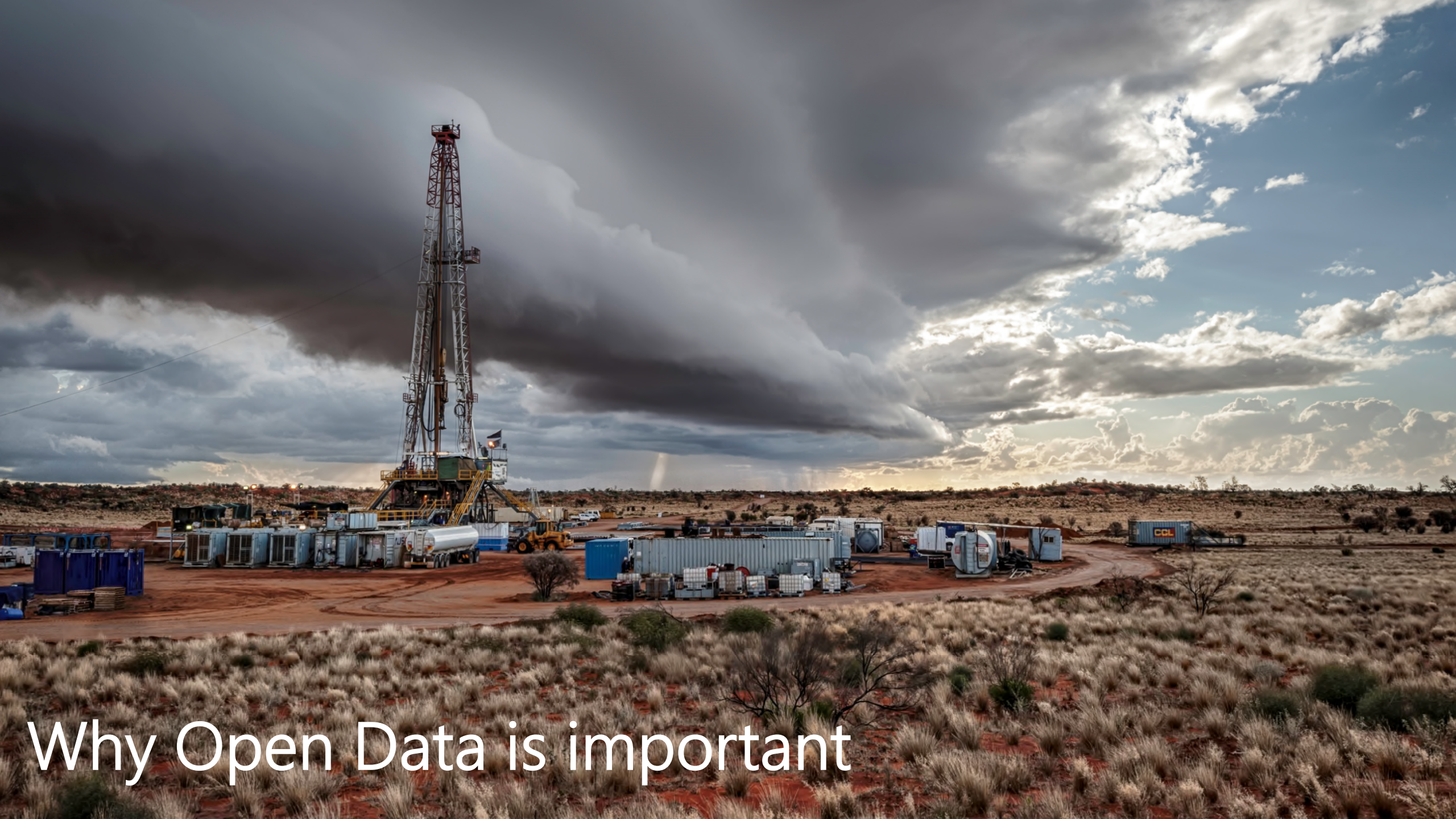
Department of Natural Resources, Mines and Energy shares the Queensland Government's commitment to open data as outlined in the Queensland Government Open Data Policy Statement¹.

The Policy Statement commits to the six principles from the International Open Data Charter. These principles are:

1. Open by default
2. Timely and comprehensive
3. Accessible and usable
4. Comparable and interoperable
5. For improved governance and citizen engagement
6. For inclusive development and innovation

In continually improving the way we publish open data, Department of Natural Resources, Mines and Energy follows these principles.





Why Open Data is important

Benefits of Open Data

We recognise our important obligation to publish data about Department of Natural Resources, Mines and Energy's spending, operations and performance to...

- Foster transparent, accountable, efficient responsive and effective government

We also recognise how open data can be used to benefit Queensland...

- Support the design, delivery and assessment of better services for citizens and businesses
- Improve the evidence-base for policy and programs
- Provide major opportunities for innovation and underpin growth of the digital economy



Alignment to our vision

Open Data supports our Department's strategic vision when we make our open data accessible to the community.

Our Vision	"Together, our land, water, mineral and energy resources deliver sustainable benefits for current and future generations of Queenslanders"
------------	--

In working towards our vision, we create important data assets...

Our Open Data	Land and property	Natural resource management	Mapping
	Mining and exploration	Energy	

...By publishing as open data, these data assets can be used by community, industry and other government agencies

Our User Community	Natural resource community groups	Local Government Authorities	Property owners
	Mining and energy companies	Land, property and legal professionals	

...To develop and deliver innovative products and services that benefit the wider community
...And to aide in quality policy, program and infrastructure delivery by government and industry.



Case Study

TomTom Maps uses Department of Natural Resources, Mines and Energy open data in their web, mobile and in-car location and navigation services.

"At present TomTom is making use of the following data type/s from the QLD Department of Natural Resources, Mines and Energy:

- **Roads & Attributes** help us deliver an accurate, up-to-date global map, enabling safe and fuel efficient transport.
- **Digital Cadastre** allows TomTom to quickly identify areas of growth, containing new roads and addresses to facilitate construction trades and building material deliveries in areas such as new subdivisions.
- **Hydrographic Features** allow us to reflect your regions natural resources in a digital environment.

Access to open data from your organisation is allowing TomTom to build and improve products which make small differences in everyday lives. Through fresh accurate maps, we can reduce road congestion and our impact on the environment. As more automotive safety features rely on mapping data (predictive cruise-control, hazard warnings & autonomous driving), our use of open data can have a positive impact on the road toll."

*Johnathan Ball
TomTom Maps*

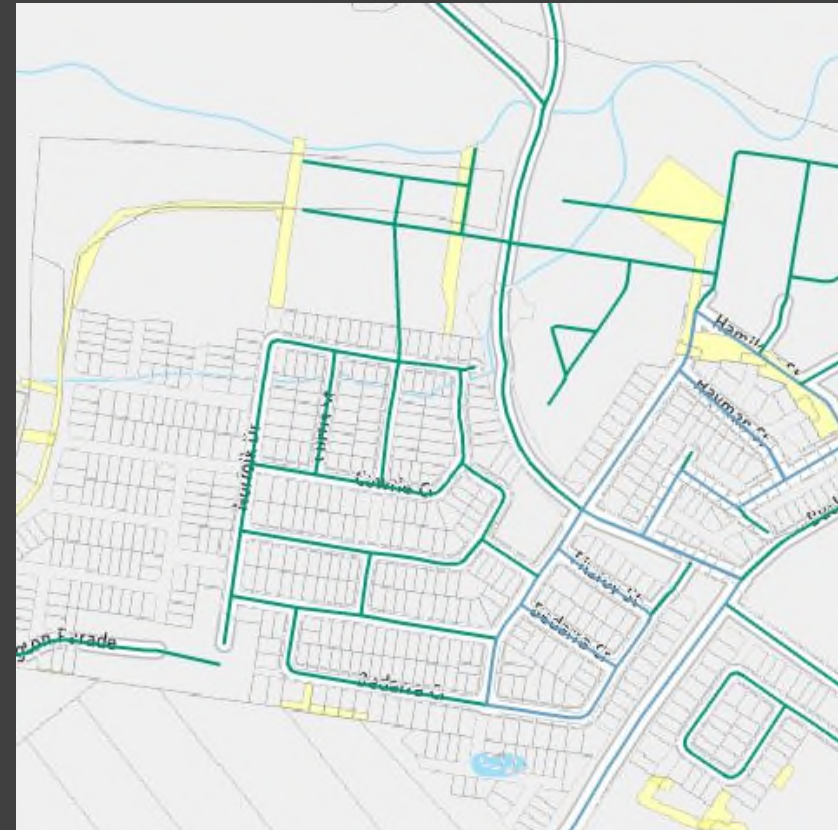


Image from TomTom maps application showing the Department of Natural Resources, Mines and Energy datasets

Obligations

We also have specific obligations to publish open data.

Document	Summary of Relevance to Open Data	Citation
Queensland Government Open Data Policy Statement (2017)	The cabinet endorsed Queensland Government commitment to open data, including various specific obligations for all agencies	Queensland Government, Open Data Policy Statement, available at https://www.qld.gov.au/data/qld-data-policy-statement.pdf accessed 21 March 2018
QAO Strategic Audit Plan	A QAO audit in 2019-20 will assess whether open data strategies have reached their full potential to add value to the Queensland public sector.	Queensland Audit Office, Strategic Audit Plan, available at https://www.qao.qld.gov.au/audits/program accessed 21 March 2018
Right to Information Act 2009	Queensland Government's obligation to give access to information in the government's possession or control unless it is in the public interest not to.	Queensland Government, Right to Information Act 2009, available at https://www.legislation.qld.gov.au/view/pdf/2015-06-11/act-2009-009 , accessed 21 March 2018
Information Privacy Act 2009	Various responsibilities to protect personal information, including not disclosing personal or identifying information as open data.	Queensland Government, Information Privacy Act 2009, available at https://www.legislation.qld.gov.au/view/pdf/inforce/current/act-2009-014 , accessed 22 March 2018
Queensland Procurement Policy 2017	Requirements for the disclosure of procurement contracts over \$10,000	Department of Housing and Public Works, Queensland Procurement Policy, available at http://www.hpw.qld.gov.au/SiteCollectionDocuments/QLDProcurementPolicy.pdf accessed 21 March 2018
Annual Reporting Requirements	Various open data requirements to support annual reporting activities	Queensland Government, Annual Reporting Requirements, available at https://www.forgov.qld.gov.au/sites/default/files/annual-report-requirements.pdf accessed 21 March 2018



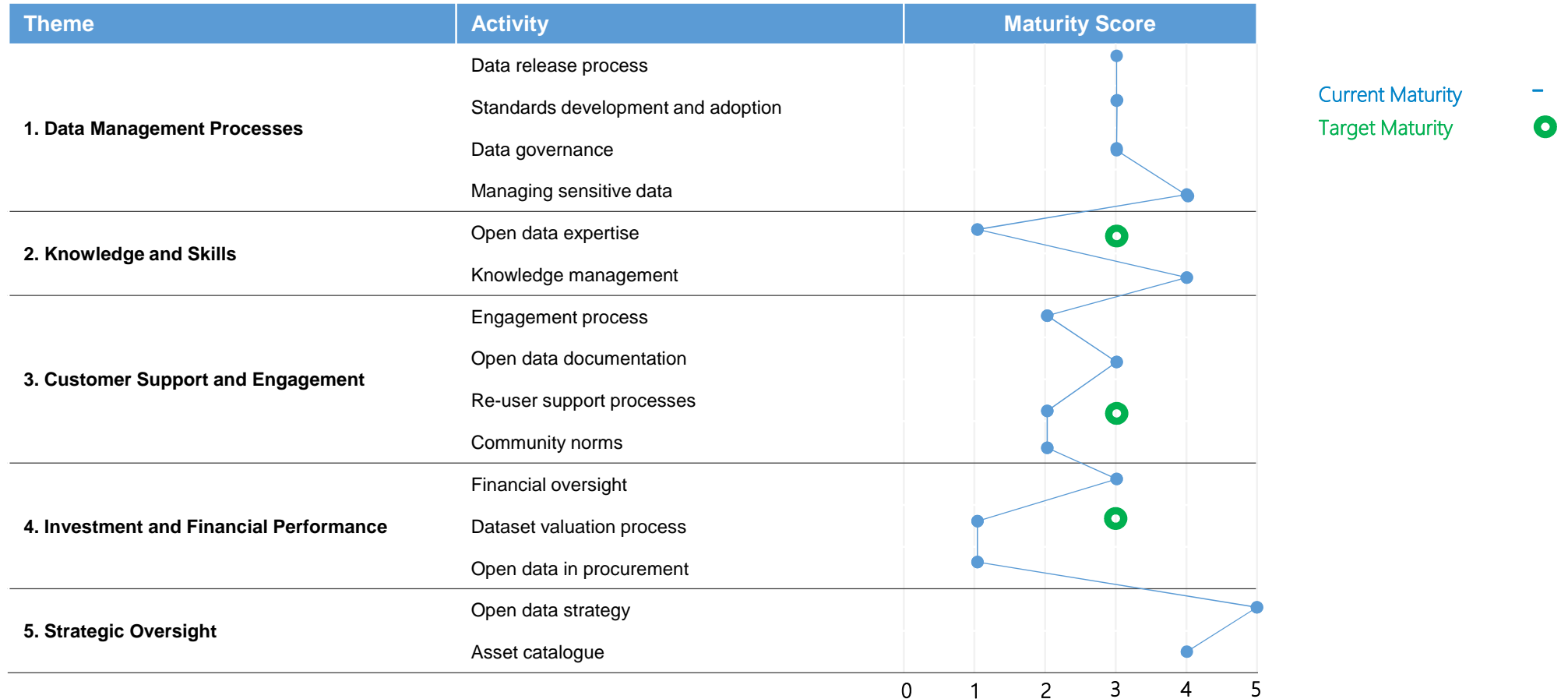


Our Open Data Strategic Plan

Maturity

To improve and sustain our cost-effectiveness we plan to improve our maturity in targeted areas over the next two years.

The Open Data Institute Maturity Assessment² was used to assess our current state and target state maturity in open data.



Objectives

To realise value, our specific focus will be to...

Proactively opening more data

We have a number of datasets we have not yet opened to the public, which we think could provide value to Queensland. We will proactively identify and publish these datasets.

Success Metric:

- Number of datasets previously closed published as open data

Transforming systems to incorporate and deliver new data formats

We will modernise cadastral data systems to support their dynamic nature and the demand for 3D representation.

Success Metrics:

- Data from cadastral survey plans captured in LandXML format
- Prototype numeric cadastre built over Cross River Rail corridor

Improve access and discoverability of spatial web services

To improve access to and discoverability of the department's spatial datasets as web services, and we will make these discoverable through the open data portal

Success Metrics:

- 100% of spatial web services are discoverable via the Open Data Portal

Enhancing business process to make more information available as data

We will make geoscientific and other information supply mechanisms deliver inaccessible tabular information as structured and open data.

Success Metrics:

- Business processes modernised to deliver tabular information as open data.



Responsibilities

We also have a number of day-to-day responsibilities

- Publish open data as committed in our open data publication schedule
- Update/refresh our open data as specified for each dataset
- Monitor our open data email inbox
- Respond to data.qld.gov.au data requests
- Respond to data.qld.gov.au data and general enquiries
- Participate in Government open data forums – Senior Officers Working Group and Open Data Practitioners Community
- Contribute to and adopt Queensland Government Enterprise Architecture policies and other documentation
- Engage with industry and the open data community
- Review and re-publish open data strategy annually
- Conduct open data maturity assessment annually
- Provide support and mentoring at GovHack events



Action Plan

Our action plan includes the initiatives we have planned to improve our open data maturity and meet our objectives

Category	Initiative Title	2018	2019			
Maturity Improvement	1.1 Further develop open data expertise across the Department					
	1.2 Develop and implement clearly defined and documented dataset support standards					
	1.3 Endorse and adopt a dataset valuation policy					
Objectives	2.1 Proactively opening more data					
	2.2 Transforming systems to incorporate and deliver new data formats					
	2.3 Improve access and discoverability of spatial web services					
	2.4 Enhancing business process to make more information available as data					
Data Publication and other day-to-day responsibilities	N/A	As specified in Appendix 1 – Data Publication Schedule				



This publication has been compiled by Department of Natural Resources, Mines and Energy

© State of Queensland, 2018

The Queensland Government supports and encourages the dissemination and exchange of its information. The copyright in this publication is licensed under a Creative Commons Attribution 4.0 Australia (CC BY) licence.

Under this licence you are free, without having to seek permission, to use this publication in accordance with the licence terms.

You must keep intact the copyright notice and attribute the State of Queensland as the source of the publication.

For more information on this licence, visit <https://creativecommons.org/licenses/by/4.0/>.

The information contained herein is subject to change without notice. The Queensland Government shall not be liable for technical or other errors or omissions contained herein. The reader/user accepts all risks and responsibility for losses, damages, costs and other consequences resulting directly or indirectly from using this information.



Appendix 1 – Published Data



At 01/02/2019 we have 294 datasets published to data.qld.gov.au. For an updated list of all our datasets click [here](#).

Appendix 2 – Data Publishing Schedule



We plan to publish the following data to data.qld.gov.au over the next 12 months. We will update this list as we identify more datasets to publish and when this strategy is next refreshed.

Dataset name	Description	Target Publishing Date	Frequency of Update	Licence
Department of Natural Resources, Mines and Energy annual report data 2018-19	Additional information reported in lieu of inclusion in the annual report.	September 2019	Not Planned	Creative Commons Attribution 4.0

Appendix 3 – Closed Data



The department has reviewed our data holdings and identified a number of datasets that are not able to be released as open data for one or more reasons. For an updated list of our closed datasets and the reason for the decision click [here](#).

We will update this list as closed datasets are identified or reviewed for publication.