

Department of Agriculture, Fisheries and Forestry

Open Data Strategy

September 2013



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Executive summary

The Department of Agriculture, Fisheries and Forestry (DAFF) released its Open Data Strategy in May 2013. The department has published over 50 datasets on data.qld.gov.au. This update of the strategy incorporates the open data commitment of three of DAFF's five statutory bodies that make up the agricultural, fisheries and forestry portfolio.

Collectively our work is aimed at doubling the value of Queensland's agricultural production by 2040.

Department of Agriculture, Fisheries and Forestry

The Department's purpose is to facilitate the economic resilience and growth of agriculture, fisheries and forestry industries. Our efforts are focused on:

- increasing resource availability
- improving productivity across the supply chain
- increasing market access
- minimising production costs.

The department advocates and represents industry needs across government to ensure they are reflected in policy, infrastructure and regional planning and investment decisions.

The services aligned to this effort are based on information gathered in order to better:

- translate priorities into agreed strategies, regulatory reforms and actions
- develop and deliver industry and region specific action plans
- maximise the return from sales of logs from native forests and quarries on state-owned land
- balance economic return with the health of fish stocks and habitats
- deliver research, development and extension that lifts productivity
- improve biosecurity.

Statutory Bodies

The portfolio currently has five statutory bodies. The following three bodies have been incorporated into this strategy:

- Australian Agricultural College Corporation (AACC)
- QRAA
- Darling Downs-Moreton Rabbit Board (DDMRB)

The Chicken Meat Industry Committee has not been incorporated into this strategy as it is currently being reviewed. Safe Food Queensland has also not been included as they have prepared a stand-alone strategy.

AACC is a corporation sole with the Director-General of the Department of Agriculture, Fisheries and Forestry (DAFF) as its Chief Executive Officer. AACC's purpose is to provide high quality training and assessment services to the agricultural industries in Queensland.

QRAA is a specialist administrator of government financial assistance programs including loans, grants, rebates and subsidies. Its objectives include supporting the State's economy by providing assistance to primary producers, small businesses and other elements of the

State's economy and fostering the development of more productive and sustainable rural and regional areas.

DDMRB maintains the 555 km of Rabbit-proof fence, which runs from Mt Gipps (near Rathdowney) to Goombi (between Chinchilla and Miles), where it joins up with the Wild Dog Barrier Fence in rabbit-proof condition and monitors compliance with the *Land Protection (Pest and Stock Route Management) Act 2002*. DDMRB also provides technical and other advice to landholders in its operational areas to assist with rabbit eradication.

Strategic overview

The portfolio holds a variety of data related to agriculture, fisheries and forestry industries and food processing activities in Queensland and continuously collects data to support service delivery and the overarching strategic goal of doubling the value of Queensland's production by 2040.

The portfolio has adopted the following Open Data goals:

- immediate and short-term release of data already in an open data format
- the continued identification and release of data currently unavailable to the public
- establish internal processes to facilitate the ongoing release and maintenance of data
- the release of data that conforms 100% to data quality and protection standards
- active monitoring to identify and engage with data users.

This strategy is focused on the release of raw data. The department undertook an assessment of all its data and identified approximately 50 datasets suitable for publication through the Queensland Government Open Data portal at www.qld.gov.au/data via open licence and at no charge.

More recently the statutory bodies have assessed their data and identified 24 datasets suitable for publication.

The release of these raw datasets will reach a wider audience and complement the range of information products already available in other formats.

Some of these datasets are already available through the Open Data portal, while others are planned for release over the next four years. This strategy also outlines processes to identify and publish relevant raw datasets generated by the portfolio on an ongoing basis.

Updates to CKAN2 and the whole of government commitment to the Queensland globe improves visual access to the datasets and further expands the potential audience. Where suitable, data with spatial characteristics will be formatted appropriately for access through Google earth's plug in Queensland globe.

Our commitment

The department and each of the statutory bodies has committed to embedding the principles of the Queensland Government Open Data initiative within their ongoing business activities. Our maturity is expected to grow and expand as portfolio agencies continue to pursue these open data goals and work to become 'share first' organisations.

We understand the potential benefits to government, industry and the community available through the public release of government data. Each agency will actively monitor and engage with data users to better understand what they need.

The information managed by the portfolio is used by the public, industry, researchers and other government agencies in various formats such as reports, tables, online applications and maps. The raw data may be of value to new customers currently unknown to the department or existing customers seeking to develop new products or solutions to problems broader than the department's focus.

Data

Department of Agriculture, Fisheries and Forestry

The department gathers industry intelligence to inform policy direction and regulatory reform, scientific data through Research, Development and Extension (RD&E) partnerships that lead to innovation, and monitoring data that informs management practices and service delivery.

DAFF will release data related to:

- the value of agricultural production in Queensland
- development approvals and information about livestock operations
- drought relief
- timber production volumes in Queensland
- commercial and recreational fishing catch and effort
- the shark control program
- the fire ant program
- brands
- animal ethics
- laboratories and vaccines
- distribution of pest plants and animals in Queensland
- research undertaken by the department.

The department contributes geospatial data to the Queensland Government Information Service (QGIS) relevant to land use, pest management and other regulation activities. QGIS is available through a link at the Open Data portal.

Statutory Bodies

AACC gathers information and intelligence that informs its management practices including compliance and regulations. AACC proposes to release data related to:

- information about livestock operations
- animal ethics
- information about crop production operations
- courses offered and completed at the corporation
- corporate data as per Annual Report guidelines.

QRAA gathers information and intelligence that informs its management practices and service delivery including data related to administration of Primary Industry Productivity Enhancement Scheme (PIPES) loans, other government financial assistance programs and

additional programs and services delivered to local, state and territory governments. QRAA proposes to release data related to:

- administration of Primary Industry Productivity Enhancement Scheme (PIPES) loans
- corporate data as per Annual Report guidelines.

DDMRB collects data that informs its rabbit compliance activities and management practices. DDMRB proposes to release data related to:

- rabbit compliance activities including activities associated with both known infestations and new sightings.

A list of the datasets to be released and the release timetable is provided in **Appendix A** for the department and **Appendix B** for the statutory bodies.

DAFF and its statutory bodies will also release corporate information in accordance with the *Release of Corporate Information Guidelines* developed by the Department of the Premier and Cabinet. Annual reports from 2013 will be complemented by the release of raw data through the Open Data portal.

Data management

In line with our goal to release data that conforms 100% to data quality and protection standards, the department took into consideration a number of factors before nominating datasets suitable for publishing through the Open Data portal.

In relation to personal privacy, the department was guided by the privacy principles in Queensland's Information Privacy Act 2009 which supports the delivery of government services while preventing the misuse of personal information. Some of the datasets have been cleansed of identifiable information while some very small datasets were deemed not suitable for publishing. We will aim to avoid publishing data that allows inadvertent or indirect disclosure of personal information in breach of the legislation.

Ownership of the data has also been considered in determining the data that can be released. Some data is generated through commercial-in-confidence contracts with external partners, while in other cases, the portfolio agencies purchases access to data from other providers. These datasets will only be released with the permission of the other parties.

We recognise that while free and open data is our preferred approach it is not always possible for a range of reasons. Each dataset has been assessed prior to making a decision on whether to apply a Creative Commons licence to ensure there is no infringement of intellectual property rights. In some instances a limited licence (non-commercial or no derivatives) has been applied to allow public access while protecting the rights of third parties.

Governance

To ensure the embedding of the Open Data Strategy across the department, an Open Data Project team was established oversights by the DAFF Renewal Committee. This Committee consists of members of the DAFF Board of Management representing its four service areas: Agriculture and Forestry; Agri-Science Queensland; Biosecurity Queensland; and Fisheries Queensland. Ongoing approval for datasets for release will be managed by the ICT Strategy and Investment Committee.

Each of the statutory bodies under this strategy has appropriate governance in place to provide oversight of the Open Data Project. This includes ensuring timely release of datasets, undertaking industry and community engagement in relation to available datasets and continuing to drive the future program of Open Data in their organisation.

This approach will see the portfolio continue to proactively release data captured and collected to reach the widest audience possible. Open access to this information will assist in achieving the department's goals and improve its services by encouraging collaboration to generate new ideas, technologies and practices.

Future program

The agriculture, fisheries and forestry portfolio agencies are committed to releasing more data for the benefit of our clients and the community. Our Open Data capability is expected to expand as the systems and processes used to release data are embedded in staff's ongoing work processes.

In line with the goal to continuously identify and release data currently unavailable to the community, we will proactively survey our publications and business systems for underlying sources of data.

Staff publishing information and reports that contain data to the Queensland Government business site or our corporate web sites will have to publish any supporting data in an appropriate format on the open data portal.

All material currently published to the internet sites must be in accordance with the internal approval processes established by each portfolio agency. Open data will be published either on the same page as the information it supports or if related to particular publications linked to the government publications portal.

The department's Open Data project team will work closely with key contacts across the portfolio to ensure staff continue to have access to regular information sessions to help them understand the objectives of the Queensland Government Open Data initiative and facilitate the identification of new datasets for publishing.

Our future Open Data program includes greater engagement and interaction with data users. The Open Data project team will work across the portfolio to build upon existing lines of communication and cultivate a community of data users that informs the agriculture, fisheries and forestry portfolios release of data.

The portfolio agencies will review their information on a regular basis to ensure that data, which is not currently identified for release, is considered. It will also review the published datasets, as part of regular review of online content, to ensure that they are maintained and enhanced for visualisation where appropriate.

The portfolio will continue to improve the quality of the data and expand its maturity as a 'share first' network of organisations as resources permit.

Appendix A – Department of Agriculture, Fisheries and Forestry dataset release schedule

Datasets to be released and release timeline.

NB: Dataset name and description may vary to those attributed to resources available through the Open Data Portal. Datasets available through the Queensland Government Information Service (QGIS) are identified as 'Available (QGIS)'.

Dataset name	Description	Target date of publishing	Frequency of update	Open Licence	QLD Globe
Agriculture					
Gross value of production of agricultural commodities	Gross value of production of major agricultural commodities in Queensland, by commodity, for the 2012-13 financial year	November 2013	Annually	Yes	No
Agricultural Land Audit series	The Queensland Agriculture Land Audit 2013 identifies land currently used for agriculture and land with the potential to be used for agriculture (multiple resources)	Available (QGIS)	As available	Yes	No
Queensland feedlots and piggeries	Registered operators, capacity and location of intensive animal feedlots, pig keeping activities and poultry farming	Available	Annually	Yes	No
Development approvals for feedlots and piggeries	Development approvals issued for intensive animal feedlotting and pig keeping, by location and decision date	Available	Annually	Yes	No
Drought declarations by shire	Record of drought declarations throughout Queensland from 1969 by shire	December 2013	Nil	Yes	TBA – further evaluation required
Grazing Land Management (GLM) Regions of	Geospatial data identifying Grazing Land Management (GLM) regions of	Available (QGIS)	Nil	Yes	Yes

Dataset name	Description	Target date of publishing	Frequency of update	Open Licence	QLD Globe
Queensland	Queensland				
DAFF regional service delivery	The department service delivery regions and locations	November 2013	As required	Yes	No
Fisheries and Forestry					
Native forest timber production volumes	Timber production volumes from State native forests, from 2009 to 2012	Available	Annually	Yes	TBA – further evaluation required
QFish	Catch and effort data from the logbooks of commercial fishers	August 2013	Annually	Yes	No
Summary of fishery catch and effort	Commercial fishery catch and effort by region from 2006 to 2011	Available	Nil	Yes	TBA – further evaluation required
FishNet Quota Usage	Reported quota usage for the current fishing year	Available	Daily	Yes	No
FishNet Fishery Symbols	Inventory of current fishery symbols	Available	Daily	Yes	No
Recreational Fishing Survey (via QFish)	Survey data, including participation rates, location and catch from the 2010 survey	December 2013	Nil	Yes	Yes
Long Term Monitoring Program	Sampling of fish used for long term biological monitoring	October 2013	Annually	Yes	No
Shark Control Program Shark catch numbers	Numbers and locations of sharks caught	Available	Quarterly	Yes	TBA – further evaluation required
Shark Control Program Location of gear	Location and numbers of nets and drum lines	Available	Annually	Yes	No
Stocked Impoundment Permit Scheme	Financial summary of Stocked Impoundment Permit Scheme (multiple resources)	Available	Annual	Yes	No
Fish Stocking	Fish numbers and	Available	Annual	Yes	No

Dataset name	Description	Target date of publishing	Frequency of update	Open Licence	QLD Globe
Database	species stocked by catchment area				
Pest Fish Database	Public reports of pest fish sightings in Queensland catchment areas	December 2013	Monthly	Yes	No
Fisheries Spatial Resources	Shapefiles depicting commercial logbook reporting areas and fish habitat areas	Available	Nil	Yes	No
Biosecurity Queensland					
Fire Ant Program database	Information on community engagement activities and summary of operational activities	December 2013	Quarterly	Yes	No
Livestock Brands	Describes brands and earmarks used to prove ownership of livestock – compulsory for cattle and pigs when being sold	October 2013	Quarterly	Yes	No
Tick Fever database	Describes the sales data of Tick Fever vaccine	September 2013	Quarterly	Yes	No
Animal Ethics database	Listing of people or organisations registered to use animals for scientific purposes	December 2013	Annually	Yes	No
TSE database	Describes laboratory data used for the exclusion of TSE (mad cow and scrapie) in sheep and cattle and for the investigation of alternative disease identification	December 2013	Annually	Yes	No
A-Z list of significant plant pests and diseases	Descriptions of significant pests and diseases of plants in Queensland	December 2013	As required	Yes	No

Dataset name	Description	Target date of publishing	Frequency of update	Open Licence	QLD Globe
Annual Pest Distribution Survey series 2008, 2009 and 2011-12	Broad-scale distribution information of pest plants and animals in Queensland	Available (QGIS)	Nil	Yes	TBA – further evaluation required
Banana Restricted Zones Queensland	Describes the areas in Queensland where movement of banana plants, fruit or other plant material is restricted	Available (QGIS)	Nil	Yes	Yes
Electric Ants Movement Restriction Boundary	Describes the areas associated with the control of Electric Ants	Available (QGIS)	Nil	Yes	Yes
Hazardous Areas	Describes the three declared hazardous areas for application of controlled herbicides in Queensland.	Available (QGIS)	Nil	Yes	Yes
Hymenachne National Management Zones (2010)	Describes the management zones (prevention, eradication, containment and asset protection) for Hymenachne amplexicaulis in Australia	Available (QGIS)	Nil	Yes	Yes
Hymenachne amplexicaulis Distribution across Australia (2008-09)	Describes the presence, absence, abundance and frequency of Hymenachne amplexicaulis in Australia	Available (QGIS)	Nil	Yes	Yes
Mango Leafhopper - Cape York Quarantine Area	Describes the area in Cape York in Queensland quarantined against Mango Leafhopper	Available (QGIS)	Nil	Yes	Yes
Phylloxera Control Zone	Describes the area in Queensland where the movement of items posing a risk of introduction or spread of the pest grape phylloxera is restricted	Available (QGIS)	Nil	Yes	Yes

Dataset name	Description	Target date of publishing	Frequency of update	Open Licence	QLD Globe
Queensland Cattle Tick Declared Areas	Describes the cattle tick free and control zones as defined in the Stock (Cattle Tick) Notice 2005	Available (QGIS)	Nil	Yes	Yes
Queensland Rubbervine Containment Line 2008	Describes the containment line for rubbervine	Available (QGIS)	Nil	Yes	Yes
Queensland Rubbervine Priority Management Areas 2008	Describes the priority management areas for rubbervine in Queensland	Available (QGIS)	Nil	Yes	Yes
Agri-Science Queensland					
Great Barrier Reef Fish Biological Data	Biological measurements on fish sampled	Available	Nil	Yes	No
Scomberomorus semifasciatus (Grey Mackerel) microsatellite genotypes	Research data for a study to elucidate the population structure of Scomberomorus semifasciatus.	Available	Nil	Yes	No
Milkshark Microsatellite Genotype Data	Research data used to test the null hypothesis of population genetic homogeneity for milkshark	Available	Nil	Yes	No
Scalloped Hammerhead Shark Microsatellite Genotype Data	Research data used to test the null hypothesis of population genetic homogeneity for scalloped hammerhead shark	Available	Nil	Yes	No
SeaScan Seabed Discrimination Data	Raw data from SeaScan™ transects off Wide Bay, Queensland taken in August 2007.	Available	Nil	Yes	TBA – further evaluation required
Australian White Shark Genotypes	White shark (Carcharodon carcharias) microsatellite genotypes (six loci)	Available	Nil	Yes	No

Dataset name	Description	Target date of publishing	Frequency of update	Open Licence	QLD Globe
	from regions along the coastline of south-eastern Australia				
Linkage disequilibrium estimation of effective population size with immigrants from divergent populations	Research data for a case study on the linkage disequilibrium estimation of effective population size of Spanish mackerel	Available	Nil	Yes	No
Growth rates of beef cattle recorded in Queensland commercial herds	Growth rates of beef cattle recorded in Queensland commercial herds	Available	Nil	Yes	No
Corporate					
Consultancies	Consultancy expenditure by DAFF	October 2013	Annually	Yes	No
Overseas travel	Overseas travel by DAFF staff, including destination and cost	October 2013	Annually	Yes	No
Late payments	Quarterly report on late payments made under the Late Payment Policy where government will pay interest to small business for all bills on contracts up to \$1 million paid greater than 30 calendar days on a correctly rendered undisputed tax invoice	October 2013	Quarterly	Yes	No

Appendix B – Statutory Bodies dataset release schedule

Datasets to be released and release timeline

NB: Dataset name and description may vary to those attributed to resources available through the Open Data Portal.
 Datasets available through the Queensland Government Information Service (QGIS) are identified as 'Available (QGIS)'.

Dataset name	Description	Target date of publishing	Frequency of update	Open Licence	Qld Globe
AACC					
Course enrolments and completions	Enrolment and completions for the previous calendar year down to unit level, includes commencement date and postcode	Jan 2014	Annually	Yes	No
Location details	Locations of training delivery locations in Queensland, includes address, phone number, web address and latitude and longitude	Jan 2014	Annually	Yes	Yes
Survey results	Employer and learner survey results	Jun 2014	Annually	Yes	No
Skills Recognition	Enrolments and qualifications awarded per year	Jan 2014	Annually	Yes	No
Employee housing	AACC employee accommodation locations and type	Jan 2014	Annually	Yes	No
Permanent and temporary employees	Number of permanent and temporary staff employed by AACC	Jan 2014	Annually	Yes	No
Register of domain names	Domain names registered by the Australian Agricultural College Corporation	Jan 2014	Bi-annually	Yes	No
AACC training expenditure	Annual profit and loss statement for the Australian Agricultural College Corporation	Jan 2014	Annually	Yes	No
Maintenance assessment	AACC maintenance condition assessment data collected during an annual inspection	Jan 2014	Annually	Yes	No

Dataset name	Description	Target date of publishing	Frequency of update	Open Licence	Qld Globe
Employees identified as belonging to an EEO target group	Number of employees identified as belonging to one or more of the five equal employment opportunity target groups	Jan 2014	Annually	Yes	No
No Unplanned leave	Unplanned leave of employees of AACC	Jan 2014	Annually	Yes	No
Workforce age profile	Average age of AACC employees	Jan 2014	Annually	Yes	No
Workforce location	Number of AACC employees by geographical location	Jan 2014	Annually	Yes	TBA – further evaluation required
Workforce profile	Data related to AACC workforce as currently published in the AACC annual report	Jan 2014	Annually	Yes	No
Workforce health and safety	Number of workplace health and safety incidents reported by AACC students and staff	Jan 2014	Quarterly	Yes	No
Employee exit survey	AACC exit survey results and comments	Jan 2014	Annually	Yes	No
Senior executive service profile	Profile of the Senior Executive Service in AACC	Jan 2014	Annually	Yes	No
Workplace health and safety	Number of workplace health and safety injuries or illnesses sustained by AACC students or staff	Jan 2014	Annually	Yes	No
AACC assets	Asset register provider details of physical assets such as sites, structures and rooms	Jan 2014	Annually	Yes	No
Consultancies	Consultancy expenditure by AACC	October 2013	Annually	Yes	No
Overseas Travel	Overseas travel by AACC staff, including destination and cost	October 2013	Annually	Yes	No
QRAA					
Consultancies	Consultancy expenditure	October	Annually	Yes	No

Dataset name	Description	Target date of publishing	Frequency of update	Open Licence	Qld Globe
	by QRAA	2013			
PIPES by LGA for preceding 5 financial years	PIPES approvals by Local Government Area for the preceding 5 years, giving number of approvals and total value	October 2013	Annually	Yes	TBA – further evaluation required
DDMRB					
Rabbit Compliance Activities	Rabbit compliance activities undertaken for the quarter including inspection and eradication data	October 2013	Quarterly	Yes	TBA – further evaluation required



Call: 13 QGOV (13 7468), Email: opendata@daff.qld.gov.au

Visit: www.daff.qld.gov.au

