REVIEW – 2019-20 Open Data Strategy Action Plan – State Library of Queensland

The maturity assessment for 2019 used Open Data Pathway from the Open Data Institute: http://pathway.theodi.org/

Data management processes: 16 / 20	Progress report
1. Release data as per the data release schedule, meeting State Library standards and with explanatory documentation.	BAU – data released as per schedule to standards with documentation
2. Review collected metrics on dataset usage for process improvements. Investigate other metrics on the release process. *(based on suggestion from 2019 Maturity Assessment)*	Reviewed existing metrics and found they are not useful for process improvements. Other metrics on release process not collected. Progressed to 2020-21
3. Update existing datasets to conform to current standards for dataset release, including explanatory documentation. *(based on suggestion from 2019 Maturity Assessment)*	All 35 datasets inventoried – 21 meet current standards. 14 datasets still need to be updated with explanatory documentation. Progressed to 2020-21.
4. Identify datasets with curated collections metadata and implement a standard, efficient and regular update process. *(based on suggestions from the 2018 Maturity Assessment)*	All datasets with collections metadata identified. Update process developed and piloted with 'Collection items in ATSI languages' dataset. Remainder of datasets to be reviewed and updated. Progressed to 2020-21.
Investment and financial performance: 7 / 15	**Progress report**
1. Analyse usage statistics and identify trends in access and use to inform future dataset creation decisions. *(based on suggestion from 2019 Maturity Assessment)*	Access set up to PowerBI for usage statistics from Queensland Open Data Portal. Statistics not reviewed for trends or creation decisions. Progressed to 2020-21.
2. Show how our open datasets could be useful to new users, through visualisation projects featuring State Library data, collections and exhibitions. *(based on suggestion from 2019 Maturity Assessment)*	Wikidata pilot successfully completed with Public Libraries directory data and promoted at Making Meaning: Collections as Data symposium. Progressed to 2020-21

Strategic oversight: 9 / 10	Progress report
1. Reassess our level of maturity through the Open Data Institute audit tool and set the next annual target in May 2020.	Coordinator, DLI completed maturity assessment for 2020 with new targets assigned.
2. Represent State Library on the Queensland Government Open Data Senior Officers Working Group.	BAU – Coordinator, DLI represented State Library on Working Group.

Knowledge & skills: 7 / 10	Progress report
1. Include a briefing on open data and best practices as part of staff and fellowship inductions. *(based on suggestion from 2019 Maturity Assessment)*	Executive Director, CCS discusses the open data program and State Library's commitments to it as part of staff induction presentations.
2. Document standards, code lists, risk assessments and procedures used in data release process for internal use.	Standards and procedures documented in the internal CWS wiki and on internal network drive.
3. Investigate application for machine learning, focused on image recognition and classification of collection material using TensorFlow. Leverage expertise in Digital Experience and The Edge to explore use of library datasets as [training material]().	Two machine learning workshops were delivered via The Edge during 2019/20. Also, the Digital Collections Catalyst 2020 is using machine learning with our digitised maps for a predictive mapping project. Progressed to 2020-21.
4. Update standard project lifecycle to embed knowledge management, so information is collected and shared at every stage. *(based on suggestion from 2018 Maturity Assessment)*	Updated State Library Project Management Framework (PMF2.0) implemented from October 2018. Following PMF2.0 will ensure information is collected and shared at every stage, and that this knowledge is applied to future projects and processes.

Customer support & engagement: 11 / 20	Progress report
1. Update the State Library Open Data website page with contact points, procedures, data release schedule, and expectations for turnaround time and query assistance. *(based on suggestion from 2019 Maturity Assessment)*	Website updated with contact points, release schedule and expectations for turnaround time and query assistance.
2. Convene Collections as Data symposium at State Library during International Open Data Week 2020. *(Digital Strategy in Action Plan)*	Sold out symposium was held on Friday 6 March 2020. Engagement was high, with the hashtag trending top 10 on Australian Twitter for the day.
3. Host a data challenge incorporating International Year of Indigenous Languages data for GovHack 2019.	Our challenge "how might we showcase ATSI language materials?" awarded first prize to a Rockhampton team for My Place – an application using emerging technologies to promote participation in the preservation of valuable at-risk languages.
4. Investigate options for releasing data from client feedback systems like Tell Us, client surveys, and feedback emails as open datasets.	Progressed to 2020-21.
5. Explore opportunities to engage users in finding, visualising, manipulating, and reusing open datasets. Opportunities include: • Wikidata use case, e.g. archival holdings at State Library • Computational notebooks, e.g. Jupyter notebook linked to data portal APIs • Knowledge graph display of State Library content, e.g. Biographical Record of Queensland Women • Data and/or digital content landing page on State Library subdomain, linked to data portal and catalogue • Host a Digital Collections Catalyst to develop new tools/services using State Library open data	Progressed multiple opportunities: • Wikidata pilot successfully completed with Public Libraries directory data. • Metadata and digital files for publication - Biographical Record of Queensland Women in preparation • The inaugural Digital Collections Catalyst in Residence has begun a predictive mapping digital experience using State Library collections. Progressed to 2020-21: computational notebooks, knowledge graph display, data/digital landing page.

Appendix A: Data release schedule 2019-20 (additions to existing datasets)

Release date	Dataset title	Portal URL	Description	Progress report
First week of each month	Catalogue searches	https://data.qld.gov.au/dataset/state-library-of-queensland-catalogue-searches	Search strings from State Library's catalogue each month.	Completed (12 data files)
First week of each month	Unstacked logs - Catalogue usage	https://data.qld.gov.au/dataset/slq-unstacked-logs	Monthly logs of State Library's Unstacked interface. Includes metadata about viewed items and activity details.	Completed (12 data files)
2019-09	Overseas travel	https://data.qld.gov.au/dataset/slq-overseas-travel	Annual overseas travel by State Library staff, including name and position, destination, reason, agency costs and external contributions.	Completed (1 data file)
2019-09	Consultancies	https://data.qld.gov.au/dataset/slq-consultancies	Details of consultancies employed by State Library.	Completed (1 data file)
2019-10	Library membership	https://data.qld.gov.au/dataset/library-membership-state-library-of-queensland	Library membership for State Library, including suburb, postcode, country and date.	Completed (1 data file)
2020-03	Queensland public libraries directory	https://data.qld.gov.au/dataset/public-libraries	Names, addresses, hours, contacts, and coordinates for all the public library branches in Queensland.	Completed (1 data file)
2020-03	Queensland public libraries annual statistics	https://data.qld.gov.au/dataset/slq-qld-public-libraries-annual-statistics	Annual data on Public Library Services from each council and branch. Includes expenditure, collections, usage, membership, events, services, facilities, and hours.	Completed (1 data file)

Appendix B: New datasets to release in 2019-20

New / updated dataset title	Description	Category	Progress report
Archival collections (new)	Collections metadata for archival collections held at State Library. Potential Wikidata use case.	Collections	Data edit in progress. Progressed to 2020-21
Collection items in Aboriginal and Torres Strait Islander languages (new)	Collections metadata for over 600 items identified in Aboriginal and Torres Strait Islander languages in State Library's collection	Collections	https://www.data.qld.gov.au/dataset/slq-atsi-language-materials
Collection items used in exhibitions (new)	Collections metadata for items featured in State Library exhibitions	Collections	Progressed to 2020-21
ODI maturity assessment scores (new)	State Library's annual scores and goals set using the Open Data Institute's Maturity Assessment	Performance	https://www.data.qld.gov.au/dataset/slq-open-data-maturity-assessments
Persons called before Queensland Government committees Indexes (new)	Volunteer created index to collection material	Collections – Family History	https://www.data.qld.gov.au/dataset/slq-persons-called-before-committees
Queensland Police Gazette inquests index 1875-1885 (new)	Volunteer created index to collection material	Collections – Family History	https://www.data.qld.gov.au/dataset/slq-police-gazette-inquests-1875-1885
Queensland Southern and Western Railway employee, 1866- 1876 (new)	Volunteer created index to collection material	Collections – Family History	https://www.data.qld.gov.au/dataset/slq-southern-western-railway-employees
State Library websites usage (new)	Visits and content usage within public State Library domains, sourced using Google Analytics	Service	Progressed to 2020-21
Digital content (new & updated)	Curated datasets of digital collections metadata	Collections	Awaiting finalisation of file migration. Progressed to 2020-21
Aboriginal and Torres Strait Islander languages word lists (updated)	Updated word lists and possible expansion of word lists	Service	https://www.data.qld.gov.au/dataset/slq-indigenous-languages-map
Catalogue searches (updated)	Updated data structure in catalogue searches dataset to include raw data logs, including date	Service	Data upgrade solutions discussed. Progressed to 2020-21