A non-technical tale of Data WA open source discovery

FOSS4G SotM Oceanica 2020 – Perth Hub

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dataWA

A long time ago in a land not so far away……

Wellington. November 12-15, 2019.
The stars to guide you.

CHAPTER 1: The Job

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WALIS YEARS

milestones and moments

If you happened upon the WALIS Booth in the ISDE7 Exhibition Hall, then it's likely that you also cast your eye over the 30th Anniversary timeline that donned the back wall. Spanning from 1979 right through to 2011 the timeline highlighted a number of key achievements for the Western Australian Land Information System. ISDE7 marked another notch in this belt, so for the post-conference edition of WALIS News, we decided to include an updated and more detailed timeline for you all. Enjoy.

1979 – Brian Humphries engaged to provide strategic planning and coordination for the establishment of a 'land information system' for WA

1980 – Late 1980 – early 1981 – Land Information System Advisory Committee (LISAC) formed. LISAC represented over 100 interests from approximately 50 departments

1981 – Hardcopy Land Information Directory: a listing of the products and services of most Government departments who were custodians of land information

Early 1981 – LISNEWS

1981 – The Western Australian Land Information System (WALIS) begins

1982 – Jan 1982 – Brian Humphries appointed director of the Land Information System Support Centre (LISSC)

Jan 1982 – Cabinet endorse the formation of the Land Information System Support Centre (LISSC)

August 1981 – IBM release the Personal Computer – 'a different type of computer with a whole new image and ready to make computing a democratic process, along with DOS 1.0, a breakthrough operating system' (http://www-03.ibm.com/ibm/history/exhibits/pc25/pc25_bonjours.html)

December 1983 – Brian Humphries describes a more autonomous role for Special Interest Groups (SIGS) at the 1983 LIS Forum, with greater responsibility for project development and less reliance on LISAC and LISSC for strategic and technical support

1983 – December 13, 1982 – Inaugural Land Information System Forum was held in Perth

December 26, 1982 – The Computer is TIME Magazine's Machine of the Year.
Since 1927, TIME Magazine has chosen a man, woman, or idea that "for better or worse, has most influenced events in the preceding year"

1984 – Department of Computing and Information Technology (DOCIT) created to replace the Government Computing Division of Treasury (which included LISSC)

October 1984 – LISSC becomes a branch of the External Services Division of DOCIT

October 1985 – 43 organisations are represented within one or more of the SIG. WALIS is being utilised by at least 57 different organisations

1986 – October 1986 – A Functional Review Committee study of the Department of Lands and Surveys and the Office of Title recommends the formation of the Department of Land Administration (DOLA)

1987 – February 1987 – WA. Index to Land Information, a Data Gazetteer, provided as microfiche, user defined reports or on-line via the Government Shared Network. This replaced the original Land Information Directory

1988 – WALIS Executive Policy Committee form the WALIS Marketing Taskforce to develop policy for marketing State Government information

1989 – In collaboration with the National Resource Information Centre (NRIC), the Land Information Directory (the Data Gazetteer) was redesigned to be a more comprehensive and interactive directory

October 19, 1987 – Black Monday strikes the U.S. stock market seeing the Dow Jones Industrial Average plummet 508 points (22.6%) (http://www.answers.com/topic/black-monday)

June 6, 1984 – Alexey Pajitnov releases the original video game in the Soviet Union, while working for the Dorodnicyn Computing Centre for the Academy of Science of the USSR in Moscow (http://www.reuters.com/article/2009/06/02/us-video-games-tetris-idUSTRE5510V020090602)

June 1990 – State Cabinet approve a number of recommendations, including the elevation of WALIS to a full program status within DOLA. The Minister for Lands becomes accountable for WALIS

1990 – An additional $500,000 is allocated in the 1990/91 budget to accelerate data capture and improve inter-Agency communications

1990 – An Integrated Land Information Program Phase 1 Report is released

1991 – The State Land Information Capture Program begins. Four fundamental data 'themes' are identified and capture programs designed around them;
- Natural Resources
- Land Administration
- Socio-Economic
- Utilities

1991 – Andrew Burke, Director WALIS

July, 1991 – The United States and the Soviet Union sign the START 1 treaty limiting strategic nuclear weapons (http://en.wikipedia.org/wiki/1991)

1992 – ILIP Office to provide full-time support for WALIS

1993 – ILIP Office relocate from Perth to Midland

July 31 1993 – WALIS News Number 1 published

1994 – The WALIS Strategic Plan 1994-1996 served an important purpose in that it publically defined the WALIS philosophy, strategies and plans (WALIS History p.5)

1994 – Comprehensive data custodianship policy developed

January, 1995 – John Howard becomes leader of the Liberal Party of Australia, to challenge Paul Keating for the 1996 Federal Election

1995 – WALIS contributes to the ANZLIC Metadata Standard Guidelines for Data Custodianship Policy

1995 – ILIP Office retitled as the WALIS Office (WALIS News, No. 6, March 1995)

1995 – WALIS Land Information Directory made available on the Internet (WALIS History p.5)

1996 – WALIS Strategic Directions published

1997 – The Land Information Directory is made available via the Interrogator CD-ROM

1998 – WALIS Access Strategy Independent Review – WALIS Mercer Report History of WALIS 1981-98 WA node of the Australian Coastal Atlas

2000 – WALIS Forum attracts a record attendance of 450 people (WALIS News, No. 17, 2001)

January 1, 2000 – Y2K fears are quelled as the predicted crisis fails to eventuate

1999 – WALIS Council membership reaches 28

1999 – WALIS oversees development of ANZLIC Metadata Entry Tool

2001 – Online access to the WALIS Clearinghouse provides over 60 users across Government access to 31 datasets from 9 different agencies (WALIS News, No. 17, 2001)

2002 – Interrogator Online remains a key link and component of the Australian Spatial Data Directory and internationally as a node of the Federal Geographic Data Committee Clearinghouse (WALIS News, no. 19, 2002)

2003 – Deloitte Touche Tohmatsu undertake a Performance Evaluation Project on WALIS. The results of this report are utilised to develop an new long-term strategy and action plan for WALIS (WALIS News, no 21, 2003)

2004 – ACIL Tasman Valuation of WALIS

2004 – Cabinet endorse the development of the Shared Land Information Platform (SLIP)

2005 – WALIS Office takes on local management of the SSI Spatial Technology in Schools competition as part of its Gold Sustaining Partner support to SSI. A large increase in schools, both primary and secondary, begin taking part in the competition

2005 – A new WALIS Custodianship Policy is developed and becomes a Premier's Circular

2005 – WALIS eNewsletter is launched. Since 2005, it has been distributed monthly to over 600

2005 – WA Spatial Nexus started as regular coffee-house sessions between WALIS, the Australian Spatial Industries Business Association, the Spatial Sciences Institute and the Cooperative Research Centre for Spatial Information. The first joint project was an imagery seminar

2005 – Wonderful World of WALIS Data regional workshops launched, and have now been held in York, Busselton, Yanmunura, Kalgoorlie, Geraldton and Albany

2006 – A major marine data workshop is held, initiating the creation of a WALIS Marine Group

2006 – Spatial Week launch of WALIS Honours Board during WALIS Forum 2006, during which WALIS also celebrated 25 years of operation

2006 – SLIP formally launched to WA State Government Agencies

2007 – The inaugural Western Australian Spatial Excellence Awards held

2007 – Associate Memberships of WALIS begin

2008 – Inaugural WALIS International Forum

2008 – SLIP Enabler wins The WA Premiers' Award

2009 – WALIS Director, Marnie Leybourne, receives the Professional Excellence and Eminence in Spatial Sciences Award

2009 – WALIS International Forum

2009 – WALIS wins the bid to host the 7th International Symposium on Digital Earth in Perth, Western Australia. Plans begin to include the State Natural Resource Management Conference as well

2009 – WALIS holds a CIO Forum in partnership with the Australian Computer Society

2009 – November – development begins on a Location Information Strategy for the State (in partnership with Landgate)

2010 – The State Land Information Capture Program callout process is put "on-line", making it easier for members of the WALIS community to submit their applications

February, 2010 – Consultation with the WALIS Community for the Location Information Strategy begins. Hundreds of hours of meetings and workshops are held, in partnership with Landgate, over a six-month period to gain input to the Strategy

April 2010 – WALIS host over 80 attendees for a Crowd-Sourcing seminar at the iVEC auditorium

October, 2010 – The Location Information Strategy for Western Australia is endorsed by the Minister for Lands

2011 – 2012

CHAPTER 2: The Open Data Policy

- Implementation of the WA Open Data policy through the Data WA portal
- Purpose of the policy:
  - State the Government's position on open data
  - Encourage a considered and consistent approach
  - Ensure people's privacy is protected
  - Understand the benefit and value of data
  - Provide guidance on best practices

CHAPTER 2: The Open Data Policy

- Progressive and evolving process

- Open Data is:
  - released and available for the general public
  - easily discoverable
  - modifiable, non-proprietary and machine-readable formats
  - licensed to enable reuse and redistribution
  - available at no cost to users

CHAPTER 3: Data WA – The Components

WEBSITE

Blog

Toolkit
Policy

DATA CATALOGUE

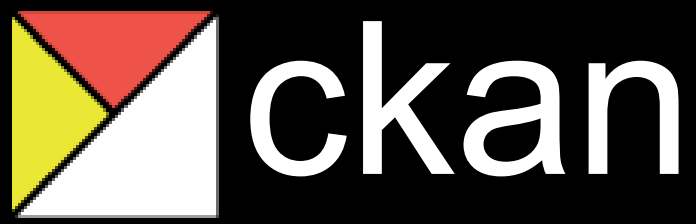
Datasets
Metadata
Data resources

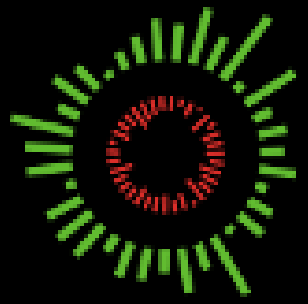
DATA PRODUCTS

Showcase
Maps & Apps
SLIP

Themed groups

CHAPTER 4: Data WA – Community Effort





OPEN KNOWLEDGE FOUNDATION

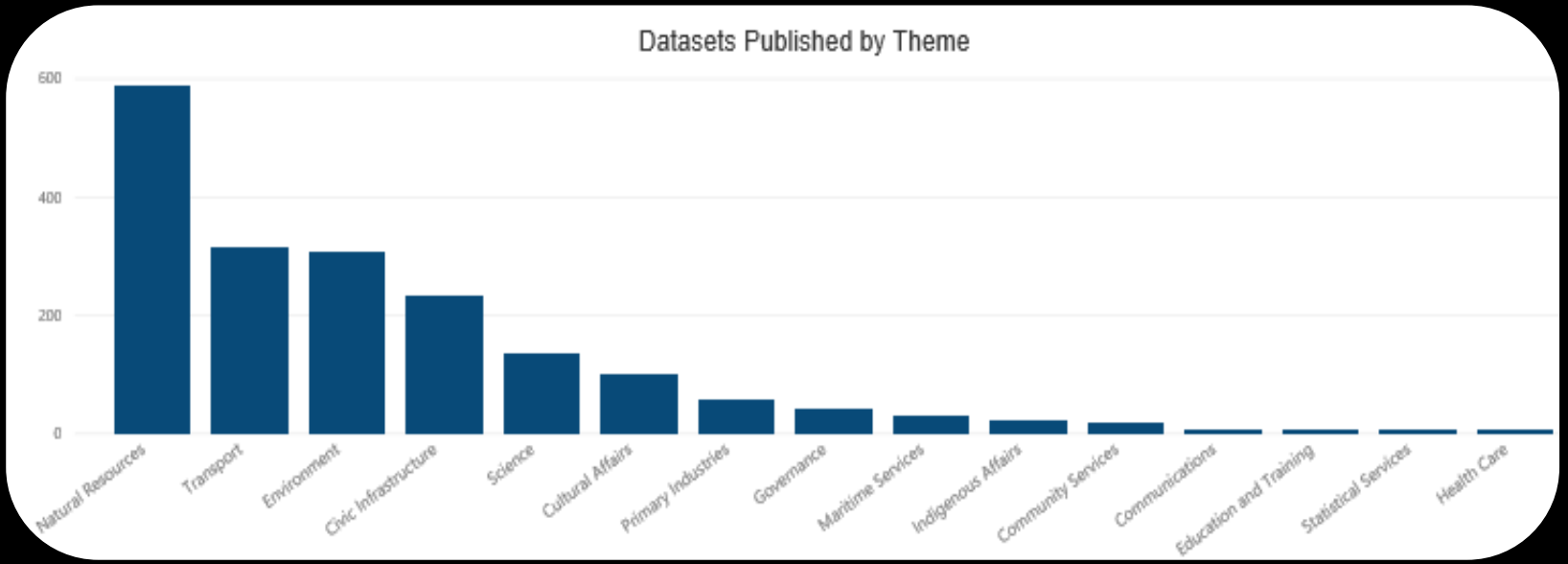
CHAPTER 4: Data WA – Community Effort

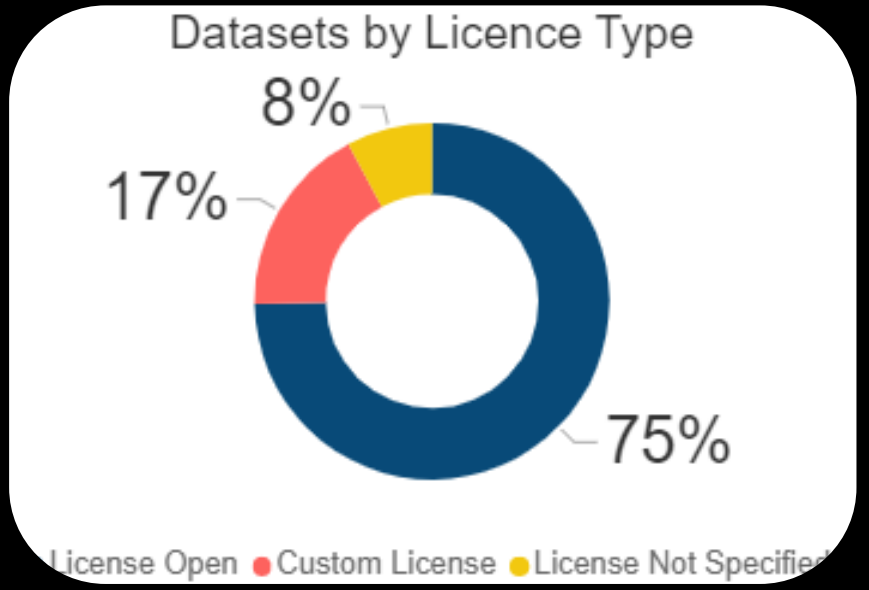
CHAPTER 5: Data WA – Community Contribution

63 Organisations

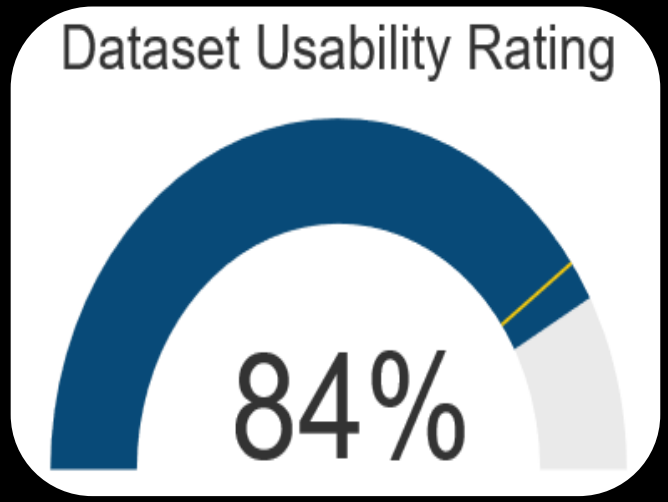
- Federal, State, Local government
- Councils and regulated organisations
- Universities, research and science institutions

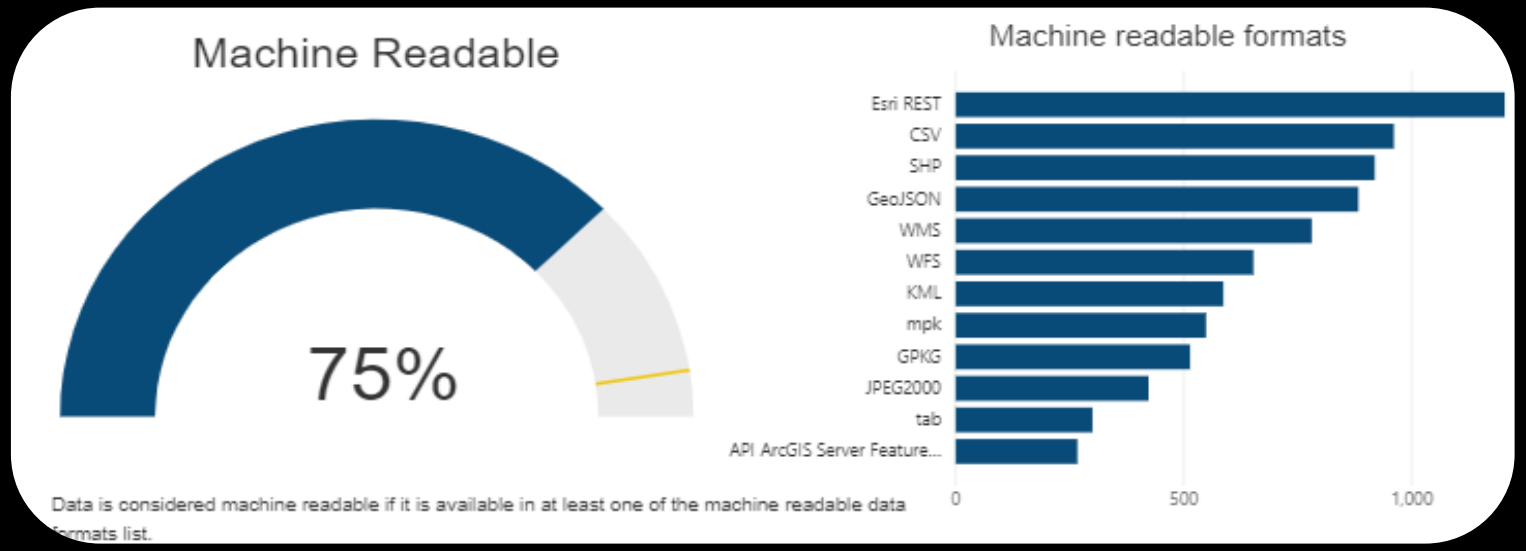
- 1 962 Discoverable datasets
- 8 883 Total resources
- 35 Showcase applications
- 60 Themed groups

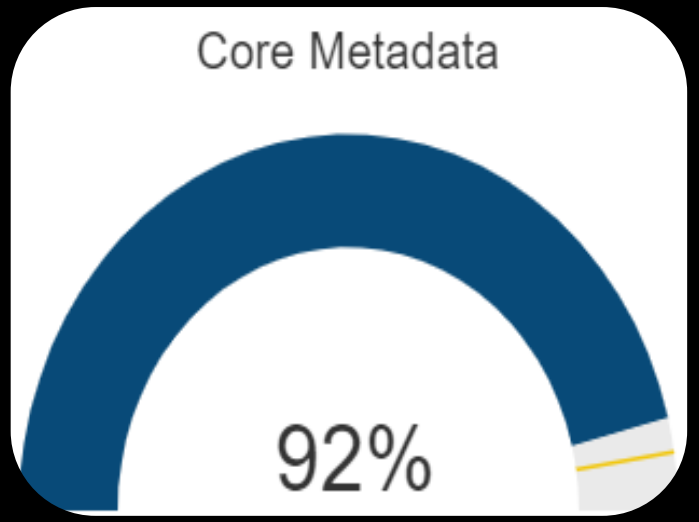




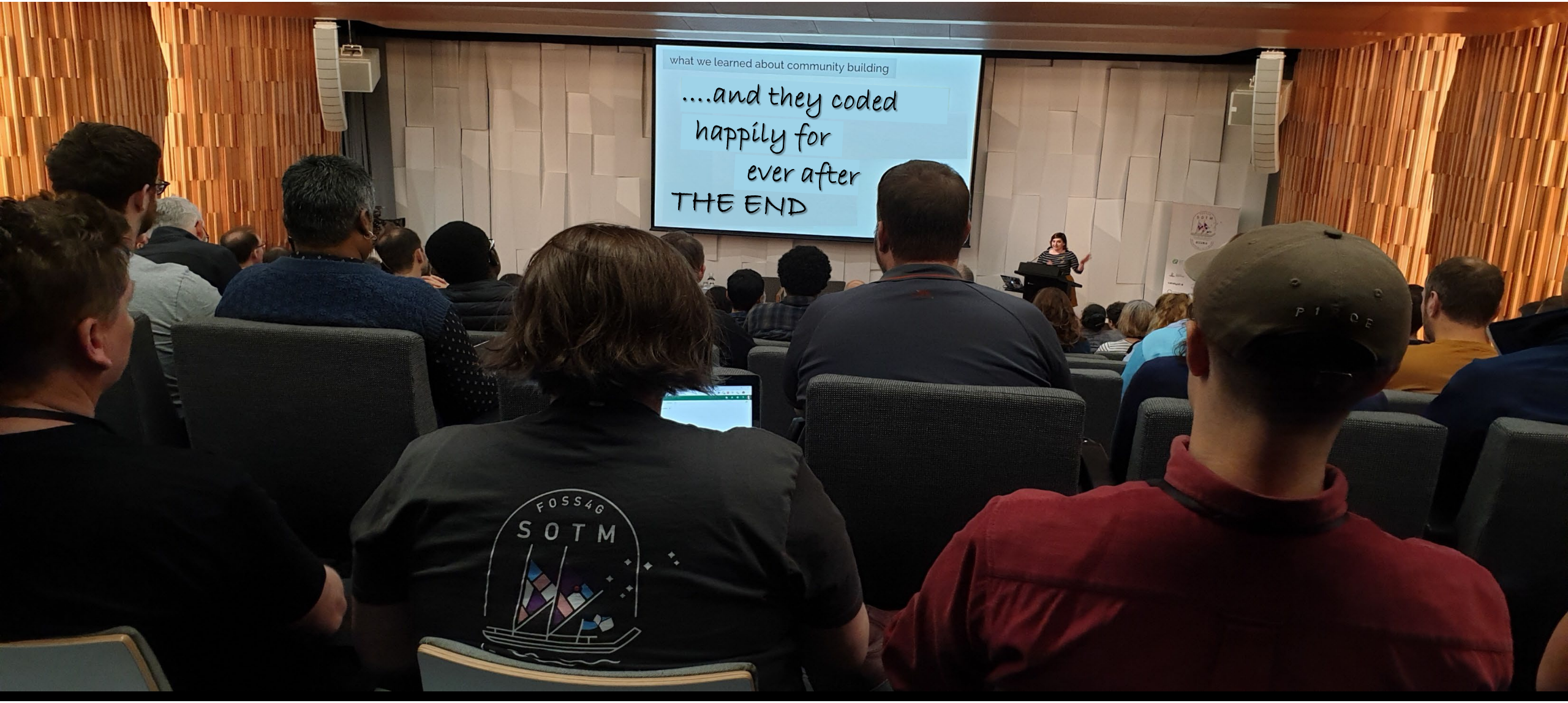
CHAPTER 5: Data WA – Community Contribution







CHAPTER 6: The Conclusion



GOVERNMENT OF WESTERN AUSTRALIA

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Providing access to WA government data

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Landgate