GovHack

empower. enable. connect.

2018

GovHack 2018 Review

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WHAT IS GOVHACK?

GovHack is an international competition for people of all abilities who seek to make life better through open data.

Across one weekend, thousands come together to form teams, agree projects, and participate in what has become one of the world's largest open data competition. In 2018, we had:

► 1500+ participants

► 240+ projects

► 26 locations across Australia

Why does GovHack matter?

Formed with the objective to raise the profile of open government data, GovHack has since evolved to encompass the following objectives:

► To provide an opportunity through open data for government, citizens and industry to collaborate, gain knowledge and develop new skills;

► To showcase open data as a mechanism for identifying and solving deep-rooted social, economic and environmental challenges;

► To impress upon Government the economic and societal value of quality, machine-readable, standardised open data;

► To highlight the increasing value of open data as a tool to promote transparency, strengthen democracy, and develop trust.

With entries focusing on everything from road safety and insolvency to service delivery and recycling, I believe GovHack has potential to lead real change and on behalf of the DTA, I am so proud to be supporting it.

Digital Transformation Agency CEO, Randall Brugeaud, speaking at the GovHack 2018 National Red Carpet Awards in Sydney.

Cover Page: Damian Frappell
Photos on this Page (LtR): Jack Silburn, Wendy Pham, Stephen Viller
Photo on opposite Page: Jack Silburn

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THE COMPETITION

IN THE MEDIA

GovHack took place across the weekend of the 7th to 9th of September.

There were 200+ volunteers, 240+ projects, 100+ mentors, 130+ judges, 70+ sponsors, and 26 events around Australia with over 850 competitors.
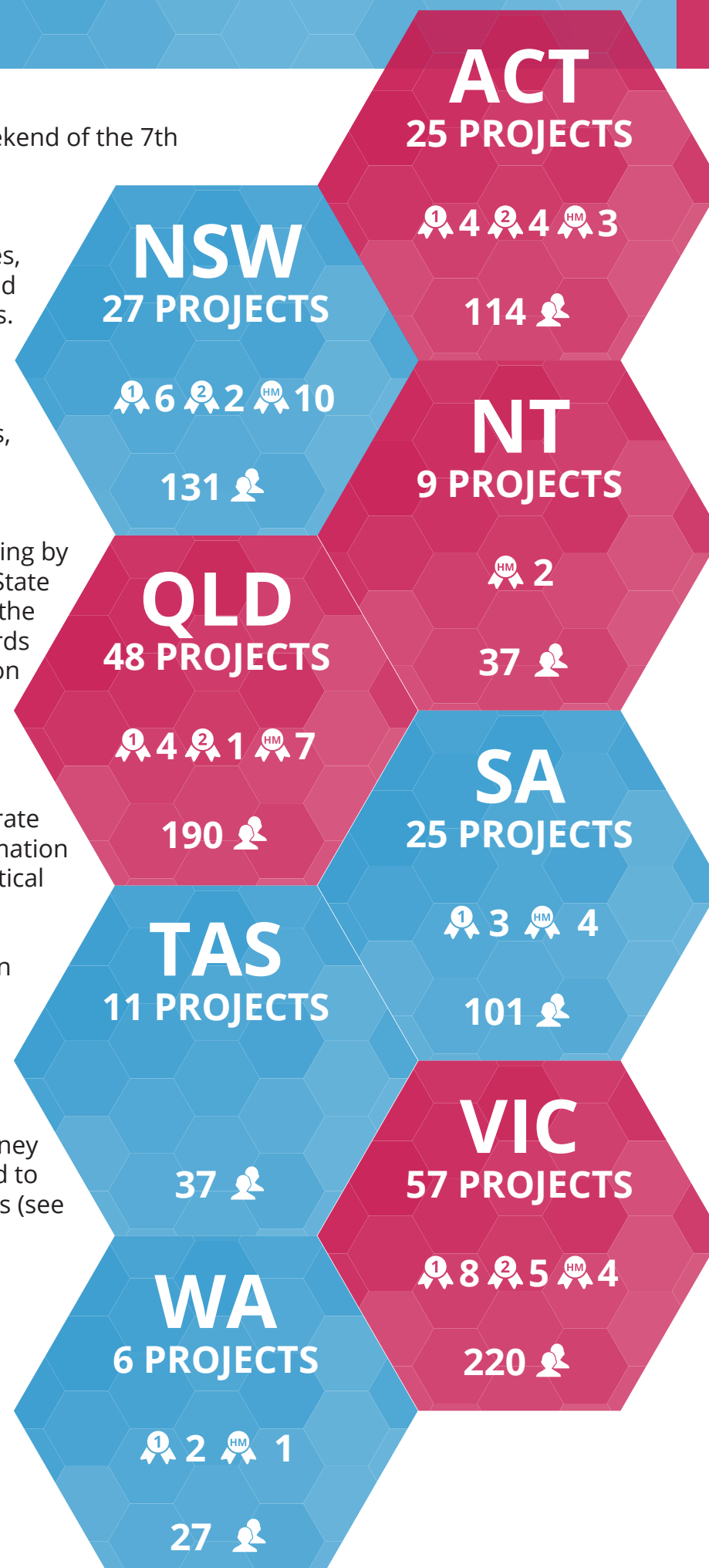
A total of 244 projects were completed ranging from apps to websites, mixed reality experiences, 3D printed structures and fire visualisations.

This was followed by weeks of judging by selected sponsor representatives, State and Territories Awards, and finally the GovHack National Red Carpet Awards at the Australian Technology Park on Saturday November 11, 2018.

Local events and awards were supported by over 70 government agencies, national, and local corporate sponsors with the Digital Transformation Agency (DTA) and Infosys as the critical lead national sponsors.

Sponsors provided over $500,000 in national and local event and prize funding as well as mentorship and co-working placements.
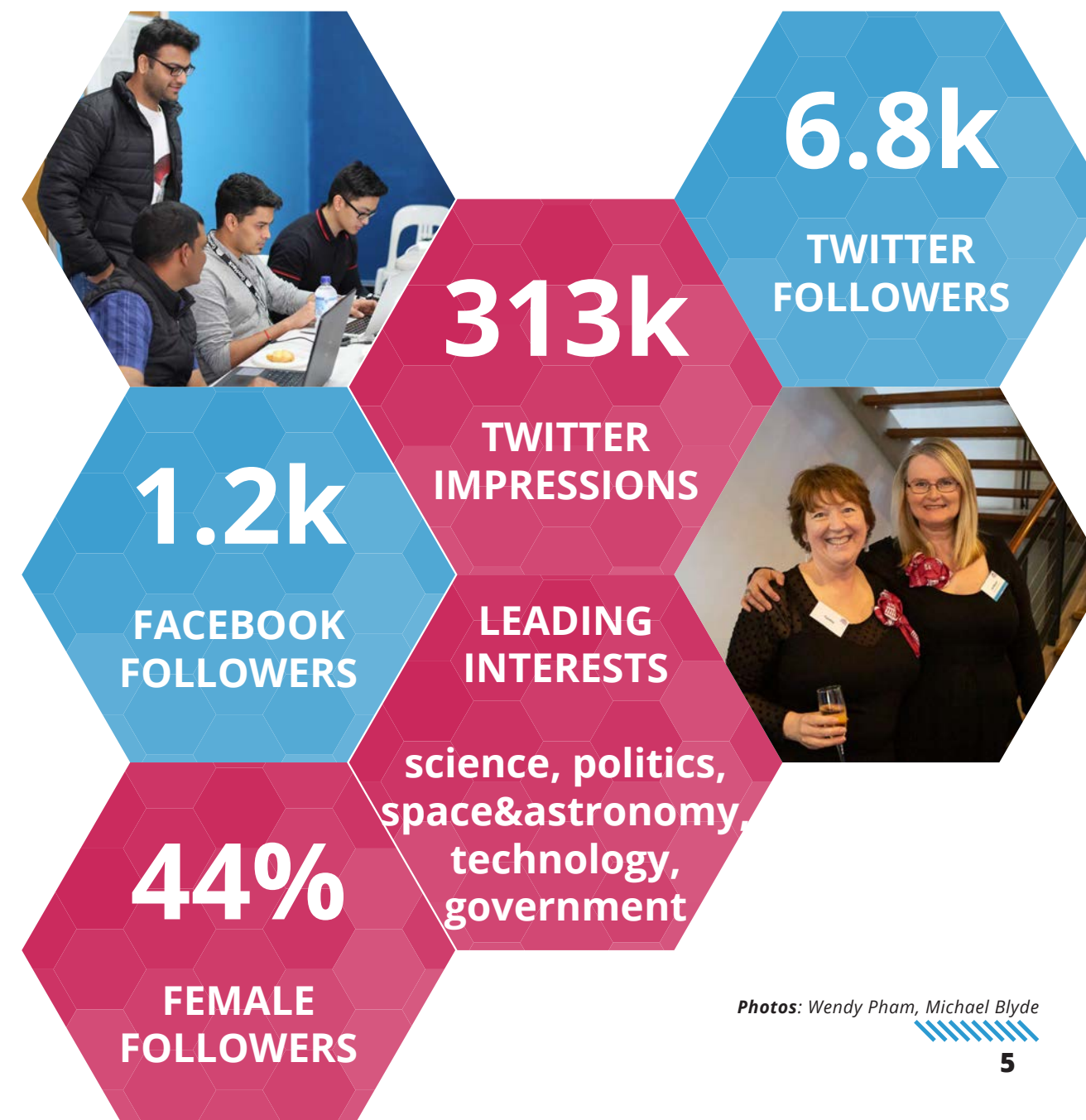
GovHack 2018 culminated in the National Red Carpet Awards in Sydney where over 80 prizes were awarded to winning teams in over 30 categories (see page 6).

ACT
25 PROJECTS
① 4 ② 4 HM 3
114 👥

NSW
27 PROJECTS
① 6 ② 2 HM 10
131 👥

NT
9 PROJECTS
HM 2
37 👥

QLD
48 PROJECTS
① 4 ② 1 HM 7
190 👥

SA
25 PROJECTS
① 3 HM 4
101 👥

TAS
11 PROJECTS
37 👥

VIC
57 PROJECTS
① 8 ② 5 HM 4
220 👥

WA
6 PROJECTS
① 2 HM 1
27 👥

Mainsteam media coverage for GovHack 2018 included 44 stories and interviews by outlets including ABC News 24, Radio National, StartupSmart, The Mandarin, and Open Gov Asia. Media releases were issued by Australian and state government ministers, local councils and GovHack itself to promote the hackathon, the Spirit of GovHack Awards, State and Territory winners and the National Red Carpet Award winners.

These channels also carried live video feeds and interviews from a number of State and Territory Award ceremonies along with the National Red Carpet Award ceremony.

44 editions of the GovHack e-newsletter was another critical tool for communicating with GovHack participants and Slack was also available to project teams to help communication with support teams.

6.8k
TWITTER FOLLOWERS

313k
TWITTER IMPRESSIONS

1.2k
FACEBOOK FOLLOWERS

LEADING INTERESTS
science, politics, space&astronomy, technology, government

44%
FEMALE FOLLOWERS

Photos: Wendy Pham, Michael Blyde

AWARDS

15 National major prizes challenges including

- ▶ Work Life Made Easy (Aurion)
- ▶ Save Lives With Data (Zetaris)
- ▶ Protecting our Carers (Department of Social Services)
- ▶ More than apps and maps: help government decide with data (Digital Transformation Agency)
- ▶ OneGov (Infosys)
- ▶ Healthy Communities Challenge (Queensland Government)
- ▶ The Friendly ATO (Australian Taxation Office)
- ▶ To bankruptcy or not to bankruptcy, keeping the process real (Australian Financial Secuity Authority)

Other prize challenges including 11 national bounties, three government participation awards and four special GovHack sponsored challenges for the *Spirit of GovHack Australia*, *Best Youth Team*, *People's Choice*, and *Transforming the National to the International*.

All award challenges and their sponsors are available in detail on the website https://www.govhack.org/2018-winners/.

Photos: Michael Blyde

WINNING PROJECTS

Award winning projects are described in detail on the GovHack 2018 website - including the **national winners**, the **state and territory winners**, and the **Spirit of GovHack winners**.

A selection of award winning projects are shown below with hyperlinks.

BizX
Re-using and combining G-NAF, ABS business, and ACT population datasets in several ways, this team created a product that provides business viability ratings based on location, competitors and demographics, helping entrepreneurs to identify the best areas to start and grow a business.

Insolvit
Put together by a team of data scientists, lawyers, coders and engineers, INSOLVIT uses real data to predict the likelihood of non-compliance with obligations that if ignored could lead to bankruptcy, and target resources to the people who need it most.

The Spirit Lives
This application allows users to choose a portrait from the State Library of Queensland's datasets and automatically colourise it and display it as a 3D model. We have trained a machine learning model to independently colourise images without any human assistance and the 3D model of the soldier is created from an open-source repository.

People's Budget
This project is a visualisation, representing the Australian budget by the dollars flowing to different departments, showing the physical movement of dollars on a map-like interface involving different government portfolio areas.

SeeChange
This is a simple interactive tool that allows people living in urban areas to visualise the possible economic and lifestyle advantages of relocating to a regional centre. Engaging design-thinking principles to empathise with the potential user of this tool, to create something that is beautiful, simple and provides powerful reasons to consider a sea-change to a regional area.

NoosaHydro
Using BOM and Noosa Council datasets to perform a rough feasibility study for generating Noosa Electricity needs using the East Australian Current and modern hydro barges.

Virtual Emergency Mangement
Situational awareness is paramount in dealing with any emergency situation. Virtual Emergency Management creates a virtual environment that allows an emergency commander to be fully immersed in the situation, through VR, knowing the position of all their resources.

Photos: Martin Ollman

RED CARPET AWARDS

Since its inception in 2014, the Red Carpet Awards have become a key opportunity for government and private sector sponsors to recognise the teams that have used open data to create the most innovative and useful projects. The awards also recognise the commitment of sponsors and the hard work of volunteers involved in GovHack.

GovHack flew and accommodated over 50 representatives from across Australia to represent their state, country or team at the GovHack 2018 Red Carpet Awards, held at the stylish Australian Technology Park on November 10, 2018.

During the evening, teams were able to showcase their work to government and industry sponsors, volunteers and their peers. Australia's best and brightest hackers were awarded for their creativity and ingenuity.

In his opening address, Randall Brugeaud, Chief Executive Officer at the Digital Transformation Agency, highlighted "with entries focusing on everything from road safety and insolvency to service delivery and recycling, I believe GovHack has potential to lead real change and on behalf of the DTA, I am so proud to be supporting it."

Randall Brugeaud's address was followed by an address from Ashok Mysore, Vice President and Head of Delivery & Operations for Australia and New Zealand.

Over the course of the evening, 15 national prizes and 14 national bounties were awarded to over 36 different teams from across australia.

Photos from the Red Carpet Awards, video interviews with guests and a live stream of the event are available on the GovHack 2018 website and the GovHack Facebook page.

Photos: Michael Blyde

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Photo: Michael Blyde

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VOLUNTEERS

200 dedicated volunteers helped organise and run GovHack 2018.

These volunteers included mentors, data custodians, state directors and event hosts and a National Operations Team that coordinated national sponsorship, the national competition, the GovHack website and Hackerspace, mainstream and social media.

This year saw a project-based structure being adopted, with a dedicated full-time support contractor working on GovHack since May 2018.

Above: State and Territory Directors at Red Carpet Awards (LtR) - Julian Singh (ACT), Rob England (SA), Jason Weigel (QLD), Sue-Ellen Shaw (WA), Damian Frappell (TAS), John Yeung (NSW). Absent: Shanon Loughton (NT) and Vincent Ciccone (VIC).

Right: Event Hosts, State and Territory Directors present for video conference.

Below: Volunters present at Red Carpet Awards.

SPIRIT OF GOVHACK

The Spirit of GovHack is the most prestigious of all awards, in that it values the contributions of individuals and their positive impact on others.

Luke Ginn, the 2018 Spirit of GovHack Winner, was awarded the title for his enthusiasm towards helping others and supporting a youth team, all while completing his project on time.

CONTINUOUS IMPROVEMENT LOOP

This year our annual GovHack Survey saw 57 surveys completed! Thanks for helping us make GovHack even better!

GovHack 2018 was made up of 55% new participants. It is great to see so many new peple experience GovHack for the very first time! Best of all, 92% of respondents said they would be back for GovHack 2019, and would recommend GovHack to others.

Suggested organisational improvements for GovHack 2018 included doing more promotions before the event, providing more resources and toolkits, improve food quality, including more healthy food options, and improving the submission platform, Hackerspace. Suggested data improvements included better ways to search, more fresh data, and data in raw computer readable formats - not PDFs.

Finally, respondents were also asked for general comments, and feedback, including what drew them to GovHack in the first place. We received some great answers, some of which are shown here.

GovHack 2019

GovHack will be back in 2019 on the weekend of **6-8 September**.

Keep in touch with us on social media!

Twitter
Facebook
Slack

govhack.org

Showing off my app ideas, building my portfolio, the prestige of winning.

Competitor - Sydney, NSW

Encouraging others to participate and increase data literacy. a chance to have expert looking at our department data and exploring new solutions.

Sponsor - Canberra, ACT

Helping others to solve interesting problems.

Mentor - Sydney, NSW

My competitive nature :)

Competitor & Mentor - Darwin, NT

The people, data, insights, skills & challenges.

Competitor - Ballarat, VIC

Opportunity to participate in a nation wide hackathon.

Competitor - Sydney, NSW

Learning how to use data in new ways. Not familiar with using data but could help in other ways e.g. making the video, thinking of a concept.

Competitor

I am a psychologist and was interested in seeing what data might be able to be used differently in my field.

Competitor

Social benefit, it's inclusive, creative and a lot of fun.

Volunteer - Perth, WA

The openness of government data and promoting that.

Competitor

Having never done something like it before, it was an opportunity to do something different with friends.

Competitor - Sunshine Coast, QLD

SPONSORS

Our 76 sponsors kindly provided challenges, data sets, prizes, cash, and in kind support for GovHack 2018. This allows events to be free for everyone. These sponsors included:

LEAD AGENCY

Australian Government
Digital Transformation Agency

dta

LEAD SPONSOR

Infosys
Navigate your next

NATIONAL GOVERNMENT AGENCY SUPPORTERS

Australian Government
Department of Industry, Innovation and Science

Australian Government
Department of Defence
Science and Technology

Australian Government
IP Australia

Australian Government
Australian Financial Security Authority

Australian Government
Department of Finance

Australian Government
Bureau of Meteorology

Australian Government
Australian Taxation Office

Queensland Government

Australian Government
Department of Jobs and Small Business

Australian Government
Australian Institute of Health and Welfare

CSIRO

DATA 61

Australian Government
Department of Social Services

GOLD SPONSOR

Aurion
PEOPLE & PAYROLL SOLUTIONS

SILVER SPONSORS

aarnet

ZETARIS

COMMUNITY PARTNERS

Hackathons Australia
#HackAUS

Challenge Rocket.com

STATE AND TERRITORY AWARDS NAMING RIGHTS AND PREMIER SPONSORS

ACT Government

NSW Sharing and Enabling Environmental Data

CHARLES DARWIN UNIVERSITY

Proudly sponsored by
NORTHERN TERRITORY GOVERNMENT

Queensland Government

STATE AND TERRITORY PLATINUM SPONSORS

NSW GOVERNMENT
Finance, Services & Innovation

CITY OF DARWIN

SPONSORED BY
Tasmanian Government

STATE AND TERRITORY GOLD SPONSORS

CITY OF PARRAMATTA

altis

nab

GRIFFITH UNIVERSITY
Queensland, Australia

Data SA
Government of South Australia

Government of South Australia
Department for Education

LGITSA

CITY OF ADELAIDE

City of HOBART

TasmaNet

VICTORIA

CITY OF MELBOURNE

CITY OF BALLARAT

wyndham city
city. coast. country

City of Casey

City of KINGSTON

SPONSORS CONT

STATE AND TERRITORY EVENT PARTNERS
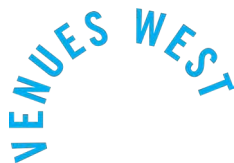
STATE AND TERRITORY SILVER SPONSORS