**2015 NSRC - methodology notes on IP Australia data**

**Methodology**

As a result of the 2015 Review of the National Survey of Research Commercialisation (NSRC) it was decided to streamline data collection and reduce the burden on survey participants by sourcing data and metrics on patents and plant breeder’s rights (PBRs) that was previously collected through the NSRC, from IP Australia’s Patent Analytics Hub.

The Patent Analytics Hub extracted from its databases patent and PBR data for 2015 NSRC participants (listed at Attachment A). The extracted datasets were provided to the Department of Industry, Innovation and Science for publication.

Data was provided for the following 27 metrics:

* Number of new patent applications filed in Australia
* Number of new patent applications filed in the US
* Number of new patent applications filed elsewhere
* Number of new patent applications worldwide
* Number of new provisional applications filed in Australia
* Number of new Patent Cooperation Treaty (PCT) applications
* Number of new innovations filed in Australia
* Number of applications that entered in National Phase in Australia
* Number of new divisional applications filed (worldwide)
* Number of new PBR applications that have been filed in Australia
* Number of new design applications that have been filed in Australia
* Number new trademark applications filed in Australia
* Number of patent families represented in new applications worldwide
* Number of patents that were granted in 2015 in Australia
* Number of patents that were granted in 2015 in the US
* Number of patents that were granted in the European Patent Office (EPO)
* Number of patents that were granted in 2015 to an institution elsewhere
* Number of granted patents worldwide
* Number of patent families represented in patents worldwide
* Number of patents that were culled or lapsed from an institution holdings in 2015
* Total number of patent applications held by an institution that are pending
* Total number of patents held by an institutions that are granted
* Total number of PBRs that are held
* Total number of PBRs that are granted and in force
* Total number of PBRs that are pending
* Total number of patent families held by an institution

In extracting patent and PBR time series data for NSRC participants, IP Australia captured data going back to 2000 – i.e. corresponding with the timespan of the NSRC dataset. It’s important to note the patent and PBR data for the period 2000-2015 is entirely sourced from IP Australia, and replaces the patent and PBR data published by the department prior to the 2015 Review, which was obtained through NSRC survey methodology rather than IP Australia records.

Where applicable, data reported by IP Australia’s Patent Analytics Hub for universities and their corresponding technology transfer offices or commercialisation offices were tallied and reported as one reporting entity (for example data for NewSouthInnovations was counted under the University of New South).

**Publication**

The main data products associated with the 2015 NSRC IP data collection include the following:

* NSRC Patent activity 2015
* NSRC Patent activity time series 2000-2015
* Summary Patent and PBR holdings 2000-2015

The published datasets contain patent and PBR data for NSRC 2015 participants only. More detailed spreadsheets that include additional research institutions which are not NSRC participants can be found on the [Patent Analytics Hub website](https://www.ipaustralia.gov.au/tools-resources/patent-analytics-hub).

The Department has developed a new interactive tool, ‘[NSRC Viz’](file:///C:\Users\MKwiatkowski\AppData\Local\Microsoft\Windows\Temporary%20Internet%20Files\Content.Outlook\SGAF0PH5\%5binsert%20link%20to%20NSRC%20Viz%20landing%20page%20once%20live%5d), to assist with visualisation and analysis of NSRC data, including IP data.

Each published dataset is accompanied by a data dictionary which provides a definition of each data metric.

**ATTACHMENT A**

**2015 NSRC Participants**

**Universities**

|  |  |  |
| --- | --- | --- |
| Australian Catholic University | Charles Darwin University | Charles Sturt University |
| CQUniversity | Curtin University of Technology | Deakin University |
| Edith Cowan University | Federation University Australia | Flinders University |
| Griffith University | James Cook University | Latrobe University |
| Macquarie University | Monash University | Murdoch University |
| Newcastle Innovation Ltd (University of Newcastle, controlled entity) | Queensland University of Technology | RMIT University |
| Southern Cross University | Swinburne University of technology | The Australian National University |
| The University of Adelaide | The University of Melbourne | The University of New South Wales (NewSouth Innovations) |
| The University of Notre Dame Australia | The University of Queensland | The University of Sydney |
| The University of Western Australia | The University of New England | University of Canberra |
| University of South Australia | University of Southern Queensland | University of Tasmania |
| University of Technology Sydney | University of the Sunshine Coast | University of Western Sydney |
| Victoria University | Western Sydney University | University of Wollongong |

**MRI**

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| --- | --- | --- |
| ANZAC Research Institute | Baker IDI Heart and Diabetes Institute | Bionics Institute |
| Brien Holden Vision Institute | Burnet Institute | Cancer Council Victoria |
| Centenary Institute of Cancer Medicine and Cell Biology | Garvan Institute of Medical Research | Hudson Institute of Medical Research |
| Kolling Institute of Medical Research | Murdoch Childrens Research Institute | Neuroscience Research Australia |
| Olivia Newton-John Cancer Research Institute | Peter MacCallum Cancer Centre | QIMR Berghofer Medical Research Institute |
| Telethon Kids Institute | The George Institute for Global Health | The Institute for Breathing and Sleep |
| The Walter and Eliza Hall Institute of Medical Research | Victor Chang Cardiac Research Institute | Woolcock Institute of Medical Research |

**PFRA**

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| Australian Astronomical Observatory (AAO) | Australian Institute of Marine Science (AIMS) | Australian Nuclear Science and Technology Organisation (ANSTO) |
| Commonwealth Scientific and Industrial Research Organisation (CSIRO) | Defence Science Technology Group | National Measurement Institute (NMI) |
| NICTA |  |  |