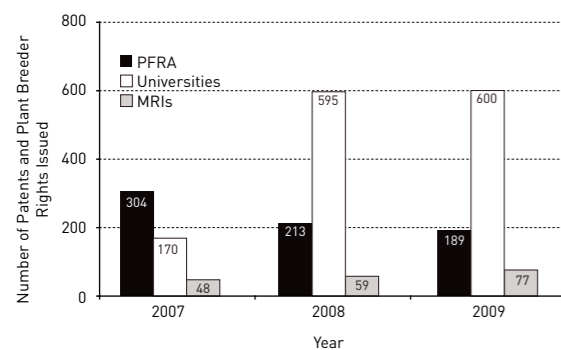


INTELLECTUAL PROPERTY ACTIVITY

- The number of invention disclosures increased 24% from 1,206 in 2007 to 1,498 in 2009.
- The number of patent filing decreased from 1,301 in 2007 to 1,061 in 2008, increasing again in 2009 to 1,234.
- The number of patents and plant breeder rights issued increased by 66% from 522 in 2007 to 866 in 2009.
- The total stock of patents and plant breeder's rights declined from 11,237 in 2007 to 10,422 in 2009.

Number of patents and plant breeder rights issued 2007-2009



START-UP COMPANY ACTIVITY

- Capital raising for research commercialisation activities declined from \$199m in 2007 to \$138m in 2009. In 2008, only \$67m was raised.
- New start-up company formation declined from 37 in 2007 to 16 in 2008 and 27 in 2009.
- Operational start-up companies decreased from 247 in 2007 to 216 in 2009.

COMMERCIALISATION RESOURCING

- Net commercialisation costs, including marketing, legal, staff and non-staff costs for 2008 were \$115m and for 2009 were \$121m. The 2008 and 2009 survey was the first to collect data against this metric.



Australian Government
Department of Innovation
Industry, Science and Research

NATIONAL SURVEY OF RESEARCH COMMERCIALISATION 2008 and 2009

A summary of commercialisation activity in Australia's Research Institutions.

CONTACT DETAILS

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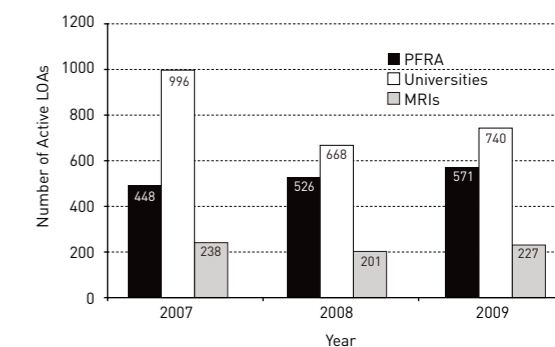
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KEY POINTS 2008 AND 2009 (72 INSTITUTIONS)

LICENCES, OPTIONS AND ASSIGNMENTS (LOAs)

- Adjusted LOA income was \$214m in 2007, \$106m in 2008 and \$315m in 2009 (CSIRO WLAN income included for the first time in 2009).
- The number of active LOAs increased from 1,722 in 2007 to 1,838 in 2009.
- The number of LOAs yielding income decreased from 751 in 2007 to 702 in 2009.

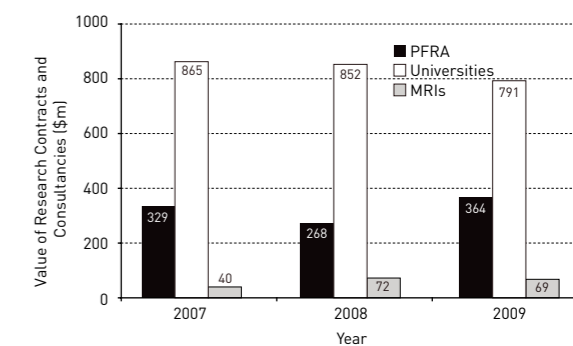
Number of active LOAs 2007- 2009



CONTRACTS, CONSULTANCIES AND DIRECT SALES

- In 2009, 14,397 research contracts and consultancy agreements were executed. In 2009, research contract & consultancy income was more than \$1.2 billion.
- In 2009, 14,803 direct sales transactions¹ were reported with a value of \$27m.

Value of contracts and consultancies 2007- 2009



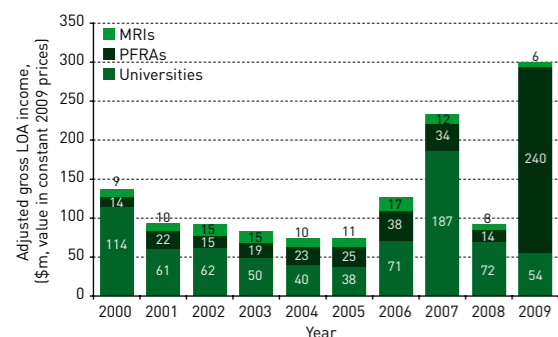
¹ Direct sale by institution's physical products generated by the institution which embody technology-based IP

TIME SERIES DATA 2000-09 (58 INSTITUTIONS)

LICENCES, OPTIONS AND ASSIGNMENTS (LOAs)

- The number of LOAs executed p.a. has increased by 19%, from 414 in 2000 to 491 in 2009.
- The number of LOAs yielding income p.a. has increased by 41% from 489 in 2000 to 691 in 2009.
- Adjusted LOA income dropped 31% from \$137m in 2000 to \$94m in 2008. The impact of one or a handful of successful commercialised technologies can "mask" other trends, such as in 2009 LOA income increased 218% from 2008 values to \$299m² (mainly due to CSIRO WLAN technology income).

Adjusted LOA income by sector 2000-09



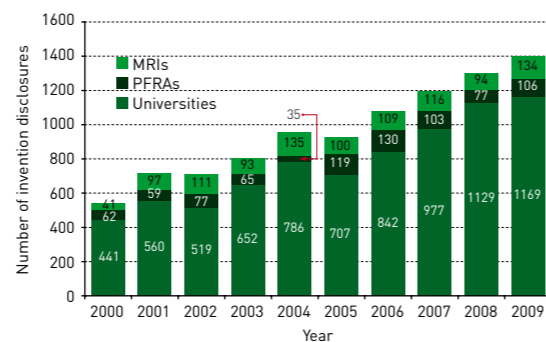
COMMERCIALISATION STAFF

- The number of dedicated commercialisation staff has increased 62%, from 191 in 2000 to 309 in 2009.

INTELLECTUAL PROPERTY ACTIVITY

- The number of invention disclosures has increased by 159%, from 544 in 2000 to 1,409 in 2009.
- The total number of new patent and plant breeder rights applications filed in Australia and the US has increased by 9%, from 587 in 2000 to 641 in 2009.
- The number of patents and plant breeder rights issued worldwide has increased 209% from a low of 273 in 2001 to a high of 844 in 2008.

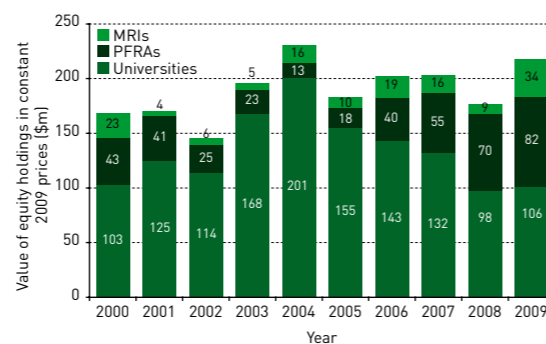
Invention disclosures by sector 2000-09



START-UP COMPANY ACTIVITY

- Start-up company formation has fallen 60%, from 47 in 2000 to 19 in 2009.
- The number of start-up companies operational at year end with institutional equity stakes increased 153%, from 69 in 2000 to 175 in 2009.
- The value of equity holdings increased 32% from \$168m in 2000 to \$222m in 2009.

Value of research commercialisation equity holdings by sector 2000-09

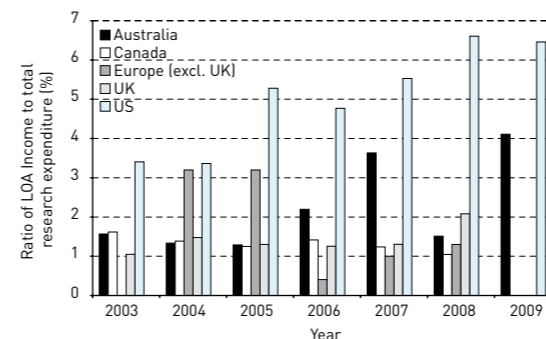


INTERNATIONAL COMPARISONS

LICENCES, OPTIONS AND ASSIGNMENTS (LOAs)

- The number of LOAs executed per \$US100m of research expenditure by Australia dropped to 9 in both 2008 and 2009, from an average of 12 between 2000 and 2009. In 2009, the US dropped to 10 from a longitudinal average of 12.
- The ratio of LOA income to total research expenditure in Australian institutions was highest in 2009 (4.1%). The US and UK also showed improvement against this ratio since 2003.

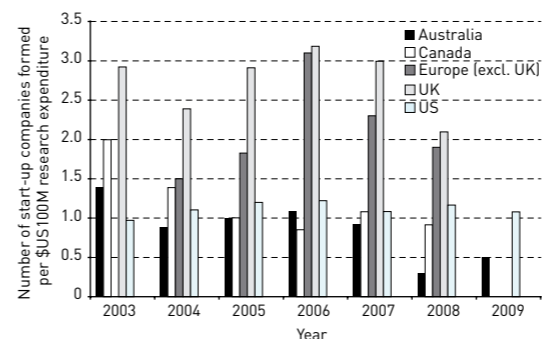
International LOA income 2003-2009



START-UP COMPANIES

- All countries are showing declines in the rate of start-up company formation since 2006.

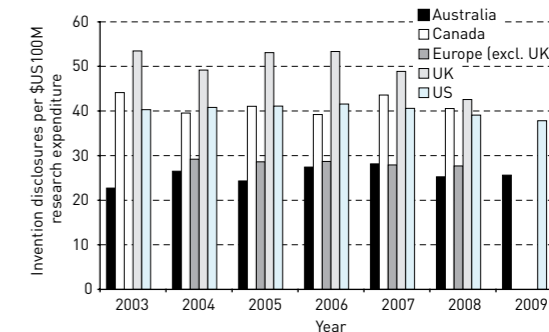
Start-up companies formed per \$US100m research expenditure, 2003-09



INTELLECTUAL PROPERTY ACTIVITY

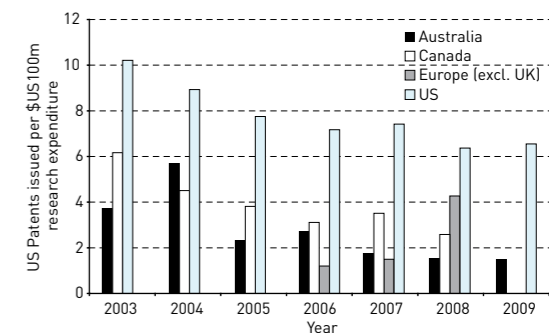
- The number of invention disclosures per \$US100m of research expenditure by Australian institutions has averaged 25 since 2000 - similar to institutions across Europe (average of 29) but significantly lower than the US (average of 41).

Invention disclosures per \$US100m research expenditure, 2003-09



- The number of US patents issued to Australian institutions per \$US100m of research expenditure has more than halved between 2000 and 2009 from 4.2 to 1.5. The US has also experienced a decline over this period, falling from 14.0 in 2000 to 6.6 in 2009. Canadian issuances have also steadily dropped from 8.8 in 2000 to 2.6 in 2008.

US Patents issued per \$100m research expenditure, 2003-2009



² Adjusted LOA income is gross LOA income minus reimbursements paid by other institutions. The time series adjusted LOA income has been calculated using 58 institutions (\$299m) compared to 72 institutions for the Key Points (\$315m).