

APPENDIX B: STATE OF AUSTRALIAN UNIVERSITY RESEARCH – 07 AGRICULTURAL AND VETERINARY SCIENCES

Example 1 – Codes and University ratings

Example 2 – Codes and metrics

Example 3 - Analysis

Table 19.B 1 & 2 Rankings with InCites and SciVal

Institution	07 Agricultural and Veterinary Sciences	0701 Agriculture, Land and Farm Management	0702 Animal Production	0703 Crop and Pasture Production	0704 Fisheries Sciences	0705 Forestry Sciences	0706 Horticultural Production	0707 Veterinary Sciences	0799 Other Agricultural and Veterinary Sciences
Australian Catholic University	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Australian National University	4	n/a	n/a	5	n/a	5	n/a	n/a	n/a
Central Queensland University	4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Curtin University	4	n/a	n/a	5	n/a	n/a	n/a	n/a	n/a
La Trobe	5	n/a	5	5	n/a	n/a	n/a	5	n/a
Murdoch	3	n/a	3	4	3	4	n/a	3	n/a
Southern Cross University	5	n/a	n/a	5	4	5	n/a	n/a	n/a
University of Queensland	4	n/a	3	4	4	4	5	4	n/a

EXAMPLE 2: Codes and metrics – note that some codes have “weighted research outputs” - one book equals five articles



FoR Code	For Name	Assessed UoEs	Research Outputs	Weightd Research Outputs	Research Income (\$)	FTEs	Esteem	Patents Granted	Research Commercialization Income (\$)
07	Agricultural & Veterinary Sciences	24	12.094.8	-	531,922,829	1288	33.2	22.3	35495083
0701	Agricultural Land & Farm Management	5	1042.2	-	47038502	104.4	3.5	0.0	96456
0702	Animal Production	9	1804.2	-	91724799	155.8	0.6	1.5	23557000
08	Information & Computer Sciences	34	24856.6	25246,7	248350121	1750	89.1	52.9	6716113
0801	Artificial Intelligence & Image Processing	28	9196	9316	109038927	523.7	41	28.6	3362209

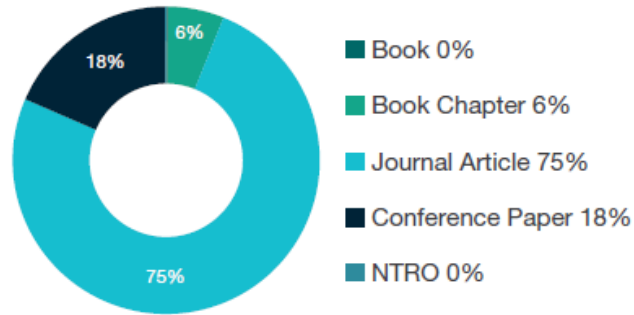
EXAMPLE 3 – Visual Analysis of category

0703 Crop and Pasture Production

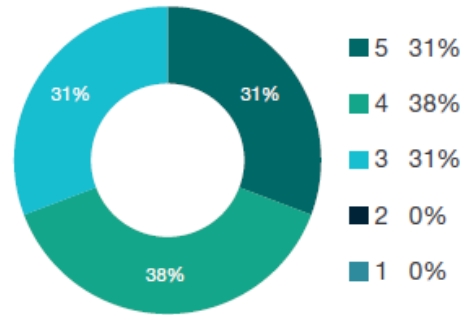
Indicator	No.
Research outputs	2,660.0
Research income	\$198,690,176
FTEs	254.4
Esteem count	15.0
Patents	8.8
Research commercialisation income	\$11,218,833

Rating	Distributio
5	4
4	5
3	4
2	0
1	0
Total	13

RESEARCH OUTPUTS BY TYPE



FOR RATING DISTRIBUTION



State of Australian University Research 2015-2016, Vol 1 – ERA National Reports <http://www.arc.gov.au/era-reports>

Accessed 10 June, 2016

TABLE 19.B.1 Output rankings for categories with InCites Australian Level 2

Using data from 2011-2015

ERA CATEGORIES – World Ranks using InCites	Output		Documents Top 10%	
	AU	NZ	AU	NZ
07 AGRICULTURAL & VETERINARY SCIENCES	10	25	16	22
0701 AGRICULTURE, LAND & FARM MANAGEMENT	136	128	44	125
0702 ANIMAL PRODUCTION				
0703 CROP & PASTURE PRODUCTION	51	26	36	95
0704 FISHERIES SCIENCES	94	75	59	20
0705 FORESTRY SCIENCES	101	66	39	52
0706 HORTOCULTURE PRODUCTION	113	69	110	37
0707 VETERINARY SCIENCES	39	21	47	28
0799 OTHER AG & VET	139	142	75	141

TABLE 19.B.2: Using SciVal categories – Ranking Institutions

SciVal's category Agricultural and Biological Sciences expands to over 10 sub-categories. World ranks by country by category are not possible nor are institutional ranks. Institution ranks by universities can be generated as seen in the example below: While representative of Australia's Big 8 dominate output other universities have higher field weighted citation impact.

AGRICULTURE & BIOLOGICAL SCIENCES	AU Total Output	AU Top by Output	AU Top by FWCI	NZ Total Output	NZ Top by Output	NZ Top by
Agronomy & Crop Sciences [0703]	4828	U Western Australia	James Cook	1475	Lincoln	Lincoln & Auckland
Aquatic Sciences [0704]	6235	U Queensland	Western Sydney	1657	U Auckland	Waikako
Forestry [0705]	1704	U Melbourne	U New England	530	U Canterbury	Auckland U Technology
Horticulture [0706]	1408	U Queensland	U Sydney	780	Massey	U Auckland

Australia: Based on 30 or more publications a total of 128 institutions

New Zealand- Based on 30 or more publications and a total of 38 institutions