Changes in the Percentage Contribution to the National Landscape
The following charts show the research activity attributed to two–digit FoRs as a proportion of total research activity submitted to all FoR codes in each ERA round for research outputs, staff (full–time equivalent (FTE)), research commercialisation income, patents granted, esteem and research income.

RESEARCH OUTPUTS AND STAFF (FTE) ERA 2015, ERA 2012 AND ERA 2010 — TWO–DIGIT FOR CODES

RESEARCH OUTPUTS ERA 2015, ERA 2012 AND ERA 2010 — TWO–DIGIT FOR CODES

Note: research output data for this section has been de-duplicated.
Note: In ERA 2015, ERA 2012 and ERA 2010 two- and four-digit FoR codes for Law and Legal Studies (18) did not use research commercialisation income as an applied measure nor did some underlying four-digit codes in Medical and Health Sciences (11). For more details see the ERA 2015 Discipline Matrix available at: arc.gov.au/era-2015-key-documents.
Note: In ERA 2015, ERA 2012 and ERA 2010 two- and four-digit FoR codes in 13, 14, 15, 16, 17, 18, 20, and 22 did not use patents as an applied measure nor did some underlying four-digit codes in History and Archaeology (21). For more details see the ERA 2015 Discipline Matrix available at: arc.gov.au/era-2015-key-documents.
Each chart in the next section shows how much of the total national share is contributed by the two-digit codes to each of the indicators that form part of the ERA evaluation in 2015, 2012 and 2010. For example in ERA 2012, 01 Mathematical Sciences account for just over a two per cent share of the national total of research outputs, a two per cent share of the national total of research income, a two per cent share of the national total of staff (FTE), a three per cent share of national total of esteem measures, a one per cent share of the national total of patents granted and a 10 per cent share of the national total of research commercialisation income. In ERA 2015 these contributions were similar with the exception of patents which fell to less than one per cent of the total national share, and research commercialisation income fell to less than one per cent of the national share.

Note: In following charts for ERA 2015, ERA 2012 and ERA 2010 patent and research commercialisation income are not used as applied measures in every two- and four-digit FoR code. For details of specific codes see the ERA 2015 Discipline Matrix available at: arc.gov.au/era-2015-key-documents.

PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 — 01 MATHEMATICAL SCIENCES
PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 —
02 PHYSICAL SCIENCES

PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 —
03 CHEMICAL SCIENCES

PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 —
04 EARTH SCIENCES
PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 — 05 ENVIRONMENTAL SCIENCES

PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 — 06 BIOLOGICAL SCIENCES

PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 — 07 AGRICULTURAL AND VETERINARY SCIENCES
PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 — 08 INFORMATION AND COMPUTING SCIENCES

PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 — 09 ENGINEERING

PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 — 10 TECHNOLOGY
PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 —

11 MEDICAL AND HEALTH SCIENCES

![Radar chart showing percentage contribution to the national landscape for ERA 2015, ERA 2012, and ERA 2010 for medical and health sciences.]

12 BUILT ENVIRONMENT AND DESIGN

![Radar chart showing percentage contribution to the national landscape for ERA 2015, ERA 2012, and ERA 2010 for built environment and design.]

13 EDUCATION

![Radar chart showing percentage contribution to the national landscape for ERA 2015, ERA 2012, and ERA 2010 for education.]

PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 — 14 ECONOMICS

PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 — 15 COMMERCE, MANAGEMENT, TOURISM AND SERVICES

PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 — 16 STUDIES IN HUMAN SOCIETY
CHANGES IN THE PERCENTAGE CONTRIBUTION

PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 —
17 PSYCHOLOGY AND COGNITIVE SCIENCES

PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 —
18 LAW AND LEGAL STUDIES

PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 —
19 STUDIES IN CREATIVE ARTS AND WRITING
PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 — 20 LANGUAGE, COMMUNICATION AND CULTURE

PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 — 21 HISTORY AND ARCHAEOLOGY

PERCENTAGE CONTRIBUTION TO THE NATIONAL LANDSCAPE ERA 2015, ERA 2012 AND ERA 2010 — 22 PHILOSOPHY AND RELIGIOUS STUDIES