

2022-23 Research England grant allocations: technical guidance for QR funding and HEIF

How Research England's quality-related research funding and higher education innovation funding has been calculated for academic year 2022-23.



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Purpose of this document

- 1. This document is aimed at those in planning and finance offices who need to have a good understanding of how Research England's quality-related research (QR) funding and higher education innovation funding (HEIF) grants are calculated. It provides a summary of changes to funding for 2022-23 and explains in detail how the figures in the 2022-23 grant tables have been derived. Abbreviated references are used in this document; the full title or descriptions are given at the end. The content of this document is split into three sections to cover the following areas:
 - a. **Section one** explains where further information can be found, and describes the process for handling data amendments. It also refers to the terms and conditions of funding which are detailed in a separate publication.
 - b. **Section two** describes the changes to the funding methods in 2022-23 and the presentation of the grant tables.
 - c. **Section three** contains a detailed description of each of the individual tables which form the 2022-23 grant tables and is intended to be a reference for anyone looking to understand how each allocation has been derived.
- 2. The 'Research England grant allocations for 2022-23' (RE-P-2022-05) publication summarises our allocations to higher education providers for 2022-23. Annex A to the publication details most of our formula-based funding for individual providers. Each provider can access their own grant tables and the supporting documents through the Research England website.

Section one

Further information and requests for changes

- 3. If you have any questions about your grant, please contact annualfunding@re.ukri.org. The funding methods we are implementing for 2022-23 will be detailed in the imminent update to the guide 'How we fund higher education providers'.
- 4. Circular letter 'Funding budgets for 2022-23 to 2024-25' (RE-CL-2022-04) describes the budget decisions taken by the Executive Chair with the endorsement of the Research England Council on funding for 2022-23. This also provides a comparison to 2021-22 allocations.



5. While we do not require a response to this document, there may be circumstances in which providers wish to request changes to their allocations. The process for this is described below.

Requests for changes to allocations

6. Where providers believe that any change to their allocations is necessary, as a result of amendments to their data, they should contact us in good time.

Amendments to data

- 7. Research England operates on the expectation that the data signed off as correct by the head of provider is the final data that we will use; this is also consistent with published data. Additionally, we will usually only amend data which affects the current allocations. Therefore, we will only accept amendments to signed off data in the following circumstances:
 - a. Upon completion of any data audit.
 - b. Where data errors are identified, which are assessed to be widespread, significant and have a material impact on Research England's use of the data.
 - c. In exceptional circumstances.
- 8. Any such amendments will be subject to an assessment process. Those resulting from data error will be reviewed by a joint Office for Students (OfS) Research England data panel, who will judge whether the identified errors are widespread, significant (that is, data must be substantially incorrect and errors do not involve re-interpretation) and material (that is, the impact of the amendments has a material effect on the funding allocations for which it is used). Once an amendment has been assessed by the panel we will not consider substantively the same amendment again. Providers will be informed of the panel decision and will have an opportunity to appeal within a short timescale.
- 9. Requests to make any amendments to data must be submitted as follows.
 - a. For HESA Student, Finance and HE-BCI records and Office for Students (OfS) Annual financial returns (AFR), a completed error summary template should be submitted. Guidance for the joint process is provided on the OfS website.
 - b. Once a completed error summary template has been submitted, Research England should be notified by email to data_queries@re.ukri.org.



10. Data amendment panel meetings are held throughout the year, to fit in with the timescales needed to process data for OfS or Research England purposes.

Other changes

11. If you believe that the allocations should change for any other reason, such as for mergers, please contact data queries@re.ukri.org.

The Research England terms and conditions of funding

12. The terms and conditions of funding set out the formal relationship between UK Research and Innovation and the providers that it funds in relation to funds administered through Research England. These terms and conditions are applicable to funding provided to higher education providers for the 2022-23 academic year. The terms and conditions include those related to provision of data and compliance with governance and data assurance requirements. Providers should read the terms and conditions in conjunction with this publication.

Section two

Developments to funding methods for 2022-23

- 13. When distributing mainstream QR funding, the overall budget is first divided into three budgets, reflecting the weight given to each sub-profile element (output, impact, and environment) in determining the overall quality profile in the 2021 Research Excellence Framework (REF). The budgets for these three elements are then divided further into budgets for the four REF main panel disciplines. For 2022-23, this has been done by maintaining the relative proportions of funding for each main panel discipline at 2021-22 levels. The mainstream QR allocation process is as follows:
 - a. Stage 1 Divide the mainstream QR budget into three elements for outputs (60 per cent), impact (25 per cent) and environment (15 per cent).
 - b. Stage 2 Divide the budget for each of the three elements (outputs, impact, environment) between the four REF main panel disciplines by maintaining the 2021-22 proportions.
 - c. Stages 3 and 4 Divide the resulting main panel allocations between their constituent Units of Assessment (UOAs), and then between HEPs within each UOA, in proportion to the volume of activity reaching the 3* and 4* quality levels in the 2021 REF, multiplied by quality and cost weights.

The subject cost weights and quality weights remain unchanged from 2021-22.



- 14. Mainstream QR amounts for UOA 14 Geography and Environmental Studies and UOA 15 Archaeology are now calculated using the standard formulae (and using a cost weight of 1.3 for each of these UOAs). Historic funding rates for these UOAs are no longer used.
- 15. The HEIF funding method and weightings will remain the same as in 2021-22 with the following exceptions to accommodate the £30 million total increase in budget in 2022-23:
 - a. The limit on the year-on-year percentage increase will go up from +10 per cent to +15 per cent, to accommodate the £20m increase to the main pot.
 - b. The upper cap on the main HEIF allocation will be increased from £4.285 million to £4.67 million, to accommodate the £20m increase to the main pot.
 - c. The upper cap on the top-up allocation (for HEPs whose main HEIF formula funding is limited by the top cap) will be increased from £0.5 million to £1 million, to accommodate the £10m increase to the top-up pot.

Section three

The grant tables

16. There are six grant tables, which show how funding for the provider has been derived. They are described in detail in this document, but in summary:

Table A	Provides summary details of allocations of funding for QR and HEIF (largely derived from the calculations on subsequent tables). It also shows allocations for the Museums, Galleries and Collections Fund.
Table B	Shows the calculation of mainstream QR and London weighting on mainstream QR.
Table C	Shows the calculation of the QR charity support fund and QR business research element.
Table D	Shows the calculation of the QR RDP supervision fund.
Table E	Shows the HEIF allocations
Table F	Shows the parameters used in the HEIF allocations



- 17. In this document, each row and column of the accompanying grant tables is described beneath a sub-heading in the order that they appear in the tables. Italics have been used in the explanatory text to indicate that a row or column heading is being referenced, from:
 - the accompanying 2022-23 grant tables
 - the HESA HE-BCI return
 - data provided by Innovate UK
 - the HESA Finance record and the OfS AFR
 - the HESA Student record
- 18. Where any of the last four sources are referred to, this is made clear in the text. Otherwise references are to the 2022-23 grant tables.

Table A: 2022-23 Summary of allocations

Summary of allocations

19. This section is a summary of the grant allocations shown in Tables B, C, D and E, together with funding for museums, galleries and collections. Where figures are not simply copied from the other tables, explanations of how the figures are calculated are given in paragraphs 20 and 21.

QR funding for National Research Libraries

20. This allocation, totalling £7 million, is for five libraries which were designated as being of national importance.

Museums, Galleries and Collections Fund

21. This allocation, totalling £12 million, provides support for museums, galleries and collections in the sector to help them serve the wider research community, where this costs them significantly more than meeting the needs of their own researchers and students.

Table B: 2022-23 Mainstream QR funds and London weighting

- 22. The top of the worksheet provides a summary of the allocations of research funding for:
 - Mainstream QR funds
 - London weighting on mainstream QR

along with a table showing the breakdown by UOA. Figures in the table have been rounded for display purposes. However, the calculations are done to



several decimal places, so there may be some rounding differences within the table.

Mainstream QR funds total

23. This is the sum of *Mainstream QR funds* (£) for each UOA shown in the table *Distribution of QR by unit of assessment*. The calculation of *Mainstream QR funds* is described below. A total of £1,266 million is being allocated for 2022-23.

London weighting on mainstream QR

24. This is the sum of *London weighting on mainstream QR (£)* for each UOA shown in the table *Distribution of QR by unit of assessment*. It is calculated as 12 per cent for inner London and 8 per cent for outer London of the *Mainstream QR funds* for each UOA. It totals £38 million for the sector as a whole.

Distribution of QR by unit of assessment

Unit of assessment

25. UOAs are shown only where the quality profile has some activity at the 3* or 4* level.

Sub-profile

26. This column shows the sub-profile reflecting the three elements of outputs, impact and environment assessed in each submission.

REF sub-profile (%)

27. These five columns show the sub-profile outcomes for each UOA. The percentages at each quality level match those published on the REF 2021 website. (Sub-profiles for submissions with fewer than 3 headcount staff submitted to the REF have been suppressed.)

Volume (notional staff FTE)

28. These six columns show the volume in each UOA. The total of the first five columns is the number of research active category A staff FTE in the REF 2021 submission. The volume at each quality level is calculated by multiplying the total volume by the percentages for each quality level given in the REF subprofile (%). The column Total funded volume is the sum of the volume associated with levels 4* and 3*.



Quality-weighted volume

29. These six columns show the *Volume (notional staff FTE)* at each quality level and in total, weighted to reflect the quality profile for the UOA. The quality weightings are:

Quality rating (with abbreviated description)	Funding weighting
4* (world-leading)	4
3* (internationally excellent)	1
2* (recognised internationally)	0
1* (recognised nationally)	0
Unclassified (below the standard of nationally recognised work)	0

Mainstream QR funds (£)

30. For each UOA, this is calculated in proportion to each provider's share of the sector total *Quality-weighted volume*.

London weighting on mainstream QR (£)

31. This is calculated as 12 per cent for inner London and 8 per cent for outer London of the *Mainstream QR funds* (£) for each UOA.

Table C: 2022-23 QR charity support fund and QR business research element

- 32. This table shows the calculation of allocations of research funding for:
 - QR charity support fund
 - QR business research element.
- 33. The QR charities and QR business allocations are calculated in proportion to research income in the most recent four-year period (2017-18 to 2020-21).

QR charity support fund

34. A total of £219 million is being allocated for 2022-23. This is allocated on the basis of the average of 2017-18 to 2020-21 income reported to the OfS AFR and HESA finance records.



2017-18 Research income from charities (£)

- 35. This is the sum of the following 2017-18 HESA finance record figures:
 - a. Table 5 research grants and contracts which is calculated as *Total* research grants and contracts (Head 4) minus *Co-investment from* external sources on funding council-funded projects (included in Heads 1 to 4 above) (Head 5) from the following sources:
 - i. *UK-based charities (open competitive process)* (Table 5 Column 2).
 - ii. EU-based charities (open competitive process) (Table 5 Column 9).
 - iii. Non-EU-based charities (open competitive process) (Table 5 Column 12).
 - b. Table 6 against the heading *Income for general research studentships from charities (open competitive process)* (Head 4a)

2018-19 Research income from charities (£)

- 36. This is the sum of the following OfS AFR 2019 figures:
 - a. Table 5 research grants and contracts which is calculated as *Total* research grants and contracts (Head 4) minus Co-investment from external sources on Research England funded projects (included in rows 1 to 4 above) (Head 5) from the following sources:
 - i. *UK-based charities (open competitive process)* (Table 5 Column 2).
 - ii. EU-based charities (open competitive process) (Table 5 Column 9).
 - iii. Non-EU-based charities (open competitive process) (Table 5 Column 12).
 - b. Table 6 against the heading *Income for general research studentships from charities (open competitive process)* (Head 4a).



2019-20 Research income from charities (£)

- 37. This is the sum of the following OfS AFR 2020 figures:
 - a. Table 5 research grants and contracts which is calculated as *Total* research grants and contracts (Head 4) minus *Co-investment from* external sources on Research England funded projects (included in rows 1 to 4 above) (Head 5) from the following sources:
 - i. *UK-based charities (open competitive process)* (Table 5 Column 2).
 - ii. EU-based charities (open competitive process) (Table 5 Column 9).
 - iii. Non-EU-based charities (open competitive process) (Table 5 Column 12).
 - b. Table 6 against the heading *Income for general research studentships from charities (open competitive process)* (Head 4a).

2020-21 Research income from charities (£)

- 38. This is the sum of the following OfS AFR 2021 figures:
 - a. Table 5 research grants and contracts which is calculated as *Total* research grants and contracts (Head 4) minus *Co-investment from* external sources on Research England funded projects (included in rows 1 to 4 above) (Head 5) from the following sources:
 - i. *UK-based charities (open competitive process)* (Table 5 Column 2).
 - ii. EU-based charities (open competitive process) (Table 5 Column 9).
 - iii. Non-EU-based charities (open competitive process) (Table 5 Column 12).
 - b. Table 6 against the heading *Income for general research studentships from charities (open competitive process)* (Head 4a).

Average annual income (£)

39. This is the average of 2017-18 Research income from charities (\pounds) , 2018-19 Research income from charities (\pounds) , 2019-20 Research income from charities (\pounds) and 2020-21 Research income from charities (\pounds) in the preceding 4 rows.



London weighting

40. This is 1.12 for providers in inner London, 1.08 for those in outer London and 1.00 for other providers.

London-weighted research income (£)

41. This is Average annual income (£) multiplied by London weighting.

Rate

42. The rate of funding is approximately 19p per £1 of *London-weighted charities income* (£).

QR charity support fund (£)

43. This is London-weighted charities income (£) multiplied by Rate.

QR business research element

44. A total of £114 million is being allocated for 2022-23. The calculation is based on an average of 2017-18 to 2020-21 income reported to the OfS AFR and HESA finance record.

2017-18 Research income from businesses (£)

- 45. This is the sum of the following 2017-18 HESA finance record figures:
 - a. Table 5 research grants and contracts which is calculated as *Total* research grants and contracts (Head 4) minus *Co-investment from* external sources on funding council-funded projects (included in Heads 1 to 4 above) (Head 5) from the following sources:
 - i. UK industry, commerce and public corporations (Table 5 Column 6).
 - ii. *EU industry, commerce and public corporations* (Table 5 Column 10).
 - iii. Non-EU industry, commerce and public corporations (Table 5 Column 13).

2018-19 Research income from businesses (£)

- 46. This is the sum of the following OfS AFR 2019 figures:
 - a. Table 5 research grants and contracts which is calculated as *Total* research grants and contracts (Head 4) minus *Co-investment from* external sources on Research England funded projects (included in rows 1 to 4 above) (Head 5) from the following sources:



- i. UK industry, commerce and public corporations (Table 5 Column 6).
- ii. *EU industry, commerce and public corporations* (Table 5 Column 10).
- iii. Non-EU industry, commerce and public corporations (Table 5 Column 13).

2019-20 Research income from businesses (£)

- 47. This is the sum of the following OfS AFR 2020 figures:
 - a. Table 5 research grants and contracts which is calculated as *Total* research grants and contracts (Head 4) minus *Co-investment from* external sources on Research England funded projects (included in rows 1 to 4 above) (Head 5) from the following sources:
 - i. UK industry, commerce and public corporations (Table 5 Column 6).
 - ii. *EU industry, commerce and public corporations* (Table 5 Column 10).
 - iii. Non-EU industry, commerce and public corporations (Table 5 Column 13).

2020-21 Research income from businesses (£)

- 48. This is the sum of the following OfS AFR 2021 figures:
 - a. Table 5 research grants and contracts which is calculated as *Total* research grants and contracts (Head 4) minus Co-investment from external sources on Research England funded projects (included in rows 1 to 4 above) (Head 5) from the following sources:
 - i. UK industry, commerce and public corporations (Table 5 Column 6).
 - ii. *EU industry, commerce and public corporations* (Table 5 Column 10).
 - iii. Non-EU industry, commerce and public corporations (Table 5 Column 13).



Average annual income (£)

49. This is the average of the 2017-18 Research income from businesses (\pounds) , 2018-19 Research income from businesses (\pounds) , 2019-20 Research income from businesses (\pounds) and 2020-21 Research income from businesses (\pounds) in the preceding 4 rows.

Rate

50. The rate of funding is approximately 21p per £1 of Average annual income (£).

QR business research element (£)

51. This is Average annual income (£) multiplied by Rate.

Table D: 2022-23 QR RDP supervision funds

- 52. QR RDP supervision funding is allocated only for those UOAs for which mainstream QR is provided. It is calculated to reflect Home and EC students eligible to pay home fees PGR FTEs, quality, London weighting and the relative costs of the subjects. Figures in the table have been rounded for display purposes. However, the calculations are done to several decimal places, so there may be some rounding differences within the table. A total of £332 million is being allocated for 2022-23.
- 53. Data that identifies different higher education providers participating in formal collaborative programmes for research training has been used to calculate QR RDP supervision funding since 2017-18.

QR RDP supervision funds total

54. This is the sum of QR RDP supervision funds (£) for each UOA shown in the table. The calculation of QR RDP supervision funds is described below.

Unit of assessment

55. UOAs are shown only where the quality profile has some activity at the 3* or 4* level.

UKPRN of collaborating provider

- 56. This column shows the UKPRN for any UOA which is taught under a collaborative arrangement.
- 57. A separate row shows at UOA level for each collaborative arrangement identified on the 2020-21 HESA student record.



Name of collaborating provider

58. This column shows the name of the collaborating provider from the previous column.

Overall quality profile (%)

59. These five columns show the quality profile outcomes for each UOA. The percentages at each quality level match the overall profiles published on the REF 2021 website.

Quality score

60. A quality score is calculated for each department based on the amount of 3* and 4* activity as a proportion of total activity at 2* quality and above in the quality profiles. That is:

Overall quality profile (%): 3* + 4*

Overall quality profile (%): 2* + 3* + 4*

Adjusted PGR FTEs

- 61. This is eligible PGR FTEs derived from 2020-21 HESA student data.
- 62. The eligible PGR FTEs have been adjusted to additionally reflect eligible PGR FTEs for students recorded in the 2020-21 HESA student record as concurrently supervised by other providers who were not eligible to submit to REF 2021. The adjustment has been done at the student instance level, and it is these adjusted FTEs that are used in the funding calculation. Further details will be available in a funding summary which will be released separately later.



Weighted adjusted PGR FTEs (London, cost and quality-weighted)

- 63. For each UOA this is the product of:
 - Adjusted PGR FTEs
 - Quality score
 - A weighting of 1.12 for providers in inner London, 1.08 for those in outer London and 1.00 for all other providers
 - The appropriate relative cost weight:

		Weighting
Α	High-cost laboratory and clinical subjects	1.6
В	Intermediate-cost subjects	1.3
С	Others	1.0

QR RDP supervision funds (£)

64. This is determined by distributing the total QR RDP supervision fund to departments¹ in proportion to *Weighted adjusted PGR FTEs* (London, cost and quality-weighted). The rate of funding is approximately £4,823.

Table E: 2022-23 HEIF allocations

65. This shows the calculation of 2022-23 HEIF allocations.

2018-19 income (£)

66. These are the figures as reported in the HESA HE-BCI record 2018-19, OfS AFR 2019, or as supplied to us by Innovate UK.

2019-20 income (£)

67. These are the figures as reported in the HESA HE-BCI record 2019-20, OfS AFR 2020, or as supplied to us by Innovate UK.

2020-21 income (£)

68. These are the figures as reported in the HESA HE-BCI record 2020-21, OfS AFR 2021, or as supplied to us by Innovate UK.

¹ The term 'department' means a group of staff and their research activity returned in a single submission within one subject UOA, irrespective of whether this forms a single administrative unit within the provider.



HE-BCI survey

69. This shows the reported income, as reported to HESA on the relevant HE-BCI survey, identified as follows:

Income from contract research

70. This is the value of *Total value of contracts* (Table 1, Head 2h).

Income from consultancy

71. This is the value of *Total income* (Table 2, Head 1h).

Income from equipment and facilities

72. This is the value of *Total income* (Table 2, Head 2h).

Income from regeneration

73. This is the value of *Total programmes* (Table 3, Head 1f).

Income from intellectual property

74. This is the value of *Sub-total IP income* (Table 4, Head 3d).

Income from SMEs in the above categories

- 75. This is the sum of the following figures:
 - a. Table 1: Research related activities
 - i. Contract research (excluding any already returned in head 1 and research councils), Total value with SMEs (Head 2b).
 - b. Table 2: Business and community services
 - i. Consultancy, Total value with SMEs (Head 1b).
 - ii. Facilities and equipment related services organisations involved and income, Total value with SMEs (Head 2b).
 - c. Table 4: Intellectual property (IP)
 - i. IP income (including patents, copyright, design, registration and trade marks), Non-software licenses income, SMEs (Head 3a.i.).



- ii. IP income (including patents, copyright, design, registration and trade marks), Software licenses income, SMEs (Head 3b.i.).
- iii. IP income (including patents, copyright, design, registration and trade marks), Other IP income, SMEs (Head 3c.i.).

Innovate UK - KTP income

76. This is the relevant value of KTP (Knowledge Transfer Partnerships) income, as reported to us by Innovate UK.

Income from NCB provision

- 77. This shows the reported income for non-credit bearing (NCB) course fees, as reported to the OfS on the AFR, identified as follows:
 - a. 2018-19, 2019-20 and 2020-21 = Table 6: Analysis of income Course fees and education contracts analysed by domicile, mode, level and source, Non-credit bearing course fees (Head 2).

Total per year

78. These are the relevant sums of the figures in the previous eight rows.

Total weighted qualifying income

- 79. This is the sum of the following:
 - a. 2018-19 income (£) Total per year multiplied by 2.
 - b. 2019-20 income (£) Total per year multiplied by 3.
 - c. 2020-21 income (£) Total per year multiplied by 5.

HEIF allocation

80. This shows the breakdown of HEIF allocation between the *main allocation* and *the top-up allocation*.

Main allocation

81. This shows the total main allocation (subject to the parameters as shown on Table F).



Top-up allocation

82. This is the amount of top-up allocated, split between the providers at the cap of main allocation, based on their shares of qualifying income, calculated according to the HEIF allocation method (subject to the parameters as shown on Table F).

Total HEIF (£)

83. This is the sum of the *main allocation* and *top-up allocation*.

Table F: 2022-23 HEIF formula parameters

84. This table provides the parameters used in the HEIF formula for 2022-23.

Total HEIF budget

85. This sets out the breakdown of total HEIF funds available for 2022-23.

Main allocation

86. This sets out the total amount to be allocated using the main allocation formula. For 2022-23 this totals £240 million.

Top-up allocation

87. The allocation is split between the providers at the cap of the main allocation, based on their shares of qualifying income (calculated according to the HEIF allocation method). For 2022-23, this totals £20 million.

Total HEIF budget

88. This is the sum of *main allocation* and *the top-up allocation* and totals £260 million for 2022-23.

HEIF formula parameters

89. This sets out the parameters which apply to the main allocation and top-up allocation.



Main allocation

90. This sets out the minimum threshold and the maximum allocation a provider can receive

Minimum threshold

91. This is the minimum allocation which providers need to achieve through the formula to receive an allocation. For 2022-23, the minimum threshold is £250,000 per year.

Maximum allocation

92. This is the maximum cap on individual provider allocations, which sets the upper limit for total Main HEIF funds a provider can receive. For 2022-23, the maximum allocation is £4.670 million.

Yearly moderation factor

93. This is the factor by which year-on-year changes to allocations are moderated so that, subject to being above the minimum £250,000 threshold and below the £4.670 million maximum allocation no provider has an increase of more than 15 per cent or a decrease of more than 10 per cent compared to their previous year's main allocation.

Top-up allocation

94. This sets out the minimum and maximum allocations eligible providers (those providers at the cap of main allocations) can receive as a top-up allocation.

Minimum allocation

95. For 2022-23, the minimum top-up allocation is £200,000.

Maximum allocation

96. For 2022-23, the maximum top-up allocation is £1 million.



Explanation of abbreviations, terms and references

AFR	Annual Financial Return: the finance return collected by the Office for Students
FTE	Full-time equivalent
HE-BCI	The HESA Higher Education – Business and Community Interaction return, used to inform knowledge exchange funding
HEIF	Higher Education Innovation Funding
HEP	Higher education provider
HESA	Higher Education Statistics Agency
KTP	Knowledge Transfer Partnerships -income as reported to us by Innovate UK.
OfS	Office for Students
PGR	Postgraduate research
QR	Quality-related research (funds)
RDP	Research degree programme
REF	Research Excellence Framework
https://results2021.ref.ac.uk	REF 2021: The results, available from www.ref.ac.uk
Research England Circular Letter RE-CL-2022-04	'Funding budgets for 2022-23 to 2024-25'
Research England Publication RE-P-2022-05	'Research England grant allocations for 2022-23'
UKPRN	UK Provider Reference Number. See www.ukrlp.co.uk
UKRI	UK Research & Innovation
UOA	Unit of assessment, used in the REF and research funding method.