

## QR model 2011/12

### Inputs from the 2008 RAE, RAS 2009/10 and RAS 2010/11

- FTE of Category A staff (excluding those flagged as research fellows) at 31 October 2007 (2008 RAE)

Minor volume measures are calculated as the average of the data for 2008/09 collected in the Research Activity Survey 2009/10 and data for 2009/10 collected in the Research Activity Survey 2010/11.

Minor volume measures:

- FTE of Research Fellows – average of FTE at 31 March 2009 (RAS 2009/10) and FTE at 31 March 2010 (RAS 2010/11)
- FTE of Research Assistants - average of FTE at 31 March 2009 (RAS 2009/10) and FTE at 31 March 2010 (RAS 2010/11)
- FTE of PGR students (headcount of full-time students plus FTE of part-time students) – average of FTE at 1 December 2008 (RAS 2009/10) and FTE at 1 December 2009 (RAS 2010/11)
- Income from charities – average of 2008-09 income (RAS 2009/10) and 2009-10 income (RAS 2010/11)
- Quality profile for each UoA submitted by each institution

### Amount of funding

The total amount of funding available for QR in 2011/12 is **£71,077,344**. This sum is allocated across four elements of QR:

	<b>2011/12</b>
	<b>£</b>
Main allocation	61,745,381
Charity income allocation	3,105,201
Rewarding excellence allocation	6,094,762
Publication fund	132,000
<b>Total QR funding</b>	<b>71,077,344</b>

## Parameters

UoAs in each subject band:

- Subject band A  
UoAs: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29
- Subject band B  
UoAs: 11, 20, 30, 31, 32, 33, 44, 46, 63, 65, 67
- Subject band C  
UoAs: 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 64, 66

Subject band weights:

- A 1.6
- B 1.3
- C 1.0

Quality profile weights:

- 4\* 3
- 3\* 1
- 2\* 0
- 1\* 0
- Unclassified 0

Weights on volume measures:

- FTE Category A staff 1.00
- FTE research fellows 0.10
- FTE research assistants 0.10
- FTE PGR students 0.15
- Income from charities 0.00001

Threshold:

Only those submitted UoAs with 3 or more classified FTE Category A staff (rounded to 1 decimal place) are eligible for inclusion in the funding allocations for all elements of the model (main, charity income, rewarding excellence and publications fund).

Classified FTE Category A staff is calculated as:

- Category A staff FTE x percentage in 1\* to 4\* / 100

Sustainability threshold:

Of those UoAs exceeding the above threshold, only those UoAs scoring 3.5 or more in the sustainability threshold are included in the funding allocations for all elements of the model (main, charity income, rewarding excellence and publications fund).

The sustainability threshold is calculated as:

- Category A staff FTE x (4\* quality profile weight x percentage in 4\* + 3\* quality profile weight x percentage in 3\*)

## **Allocation method**

### Main allocation

For each UoA that meets both of the thresholds, volume is calculated as:

$$\text{Volume} = \text{Staff FTE} + 0.1 \times \text{average FTE fellows} + 0.1 \times \text{average FTE assistants} + 0.15 \times \text{average FTE students} + 0.25 \times \text{average charity income} / 25,000$$

This is multiplied by the appropriate weight according to the subject band of the UoA:

$$\text{Subject weighted volume} = 1.6/1.3/1.0 \times \text{Volume}$$

The subject weighted volume is then weighted according to the quality profile:

$$\text{Subject and quality weighted volume} = \text{Subject weighted volume} \times (3 \times 4^* \text{ percentage} + 1 \times 3^* \text{ percentage} + 0 \times 2^* \text{ percentage} + 0 \times 1^* \text{ percentage} + 0 \times \text{unclassified percentage}) / 100$$

The subject and quality weighted volume is summed over all institutions and UoAs and the proportion of funding allocated to a UoA in an institution is calculated as:

$$\text{Proportion of funding allocated to a UoA in an institution} = \text{Subject and quality weighted volume in that UoA and institution} / \text{total subject and quality weighted volume over all institutions and UoAs}$$

The allocation for a UoA in an institution is calculated as:

$$\text{Main allocation} = \text{Funding available for the main allocation} \times \text{Proportion of funding allocated to a UoA in an institution}$$

### Charity income allocation

For UoAs that meet both of the thresholds, average charity income is summed over all institutions and UoAs and the proportion of charity income funding to be allocated to a UoA in an institution is calculated as:

$$\text{Proportion of funding allocated to a UoA in an institution} = \frac{\text{Average charity income}}{\text{total average charity income over all institutions and UoAs}}$$

The allocation to a UoA in an institution is calculated as:

$$\text{Charity income allocation} = \text{Funding available for the charity income allocation} \times \text{Proportion of funding allocated to a UoA in an institution}$$

### Allocation for rewarding excellence

For UoAs that meet both of the thresholds, the proportion of subject weighted volume in the 4\* quality level is calculated as:

$$\text{Subject weighted volume in 4*} = \text{Subject weighted volume} \times \text{percentage in 4*} / 100$$

This is summed over all institutions and UoAs and the proportion of rewarding excellence funding to be allocated to a UoA in an institution is calculated as:

$$\text{Proportion of funding allocated to a UoA in an institution} = \frac{\text{Subject weighted volume in 4*}}{\text{total subjected weighted volume in 4* over all institutions and UoAs}}$$

The allocation to a UoA in an institution is calculated as:

$$\text{Rewarding excellence allocation} = \text{Funding available for rewarding excellence} \times \text{Proportion of funding allocated to a UoA in an institution}$$

## Publications fund

The publications fund is allocated to institutions by allocating 50% of the funding in proportion to institutions QR funding 2010/11 and 50% of the funding in proportion to the number of publications supported by the Publications Fund over the last three years:

<b>Publications fund</b>	<b>2011/12 £</b>
University of Glamorgan	19,762
Aberystwyth University	16,353
Bangor University	16,469
Cardiff University	42,037
University of Wales Trinity Saint David	2,712
Swansea University	28,447
University of Wales Institute, Cardiff	0
University of Wales, Newport	0
Glyndwr University	0
Swansea Metropolitan University	4,007
University of Wales	2,213
<b>Total</b>	<b>132,000</b>

The allocation to a UoA in an institution is calculated as:

Publications fund allocation = Institutional publication fund allocation x Proportion of funding (main allocation, charity allocation and rewarding excellence allocation) allocated to a UoA in an institution

## Total funding allocation

The total funding allocation to a UoA in an institution is the sum of the main allocation, the charity income allocation, the rewarding excellence fund allocation and the publications fund allocation.