

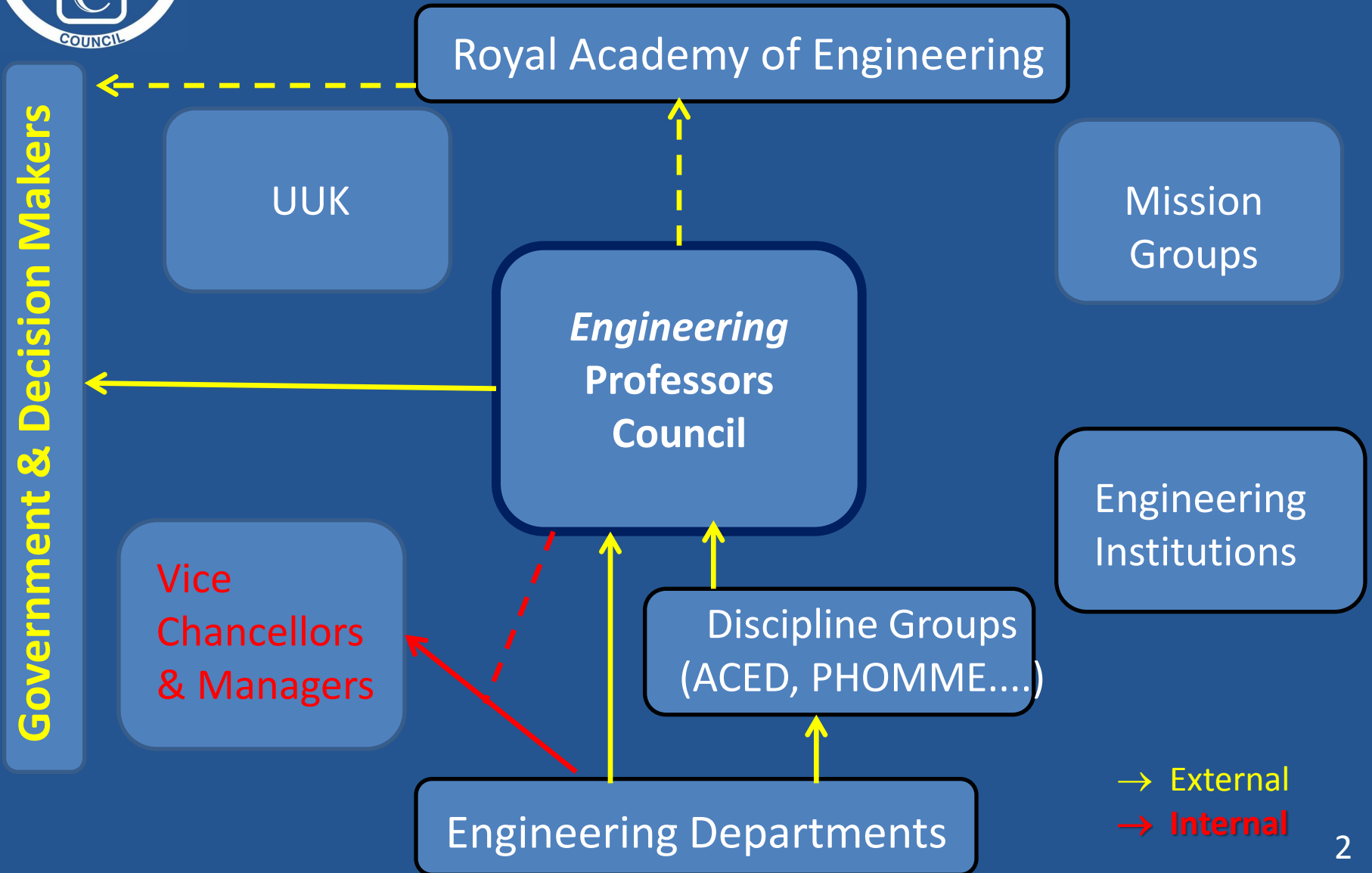


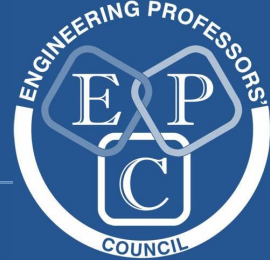
Professor Simon Hodgson

President-elect, Engineering Professors' Council



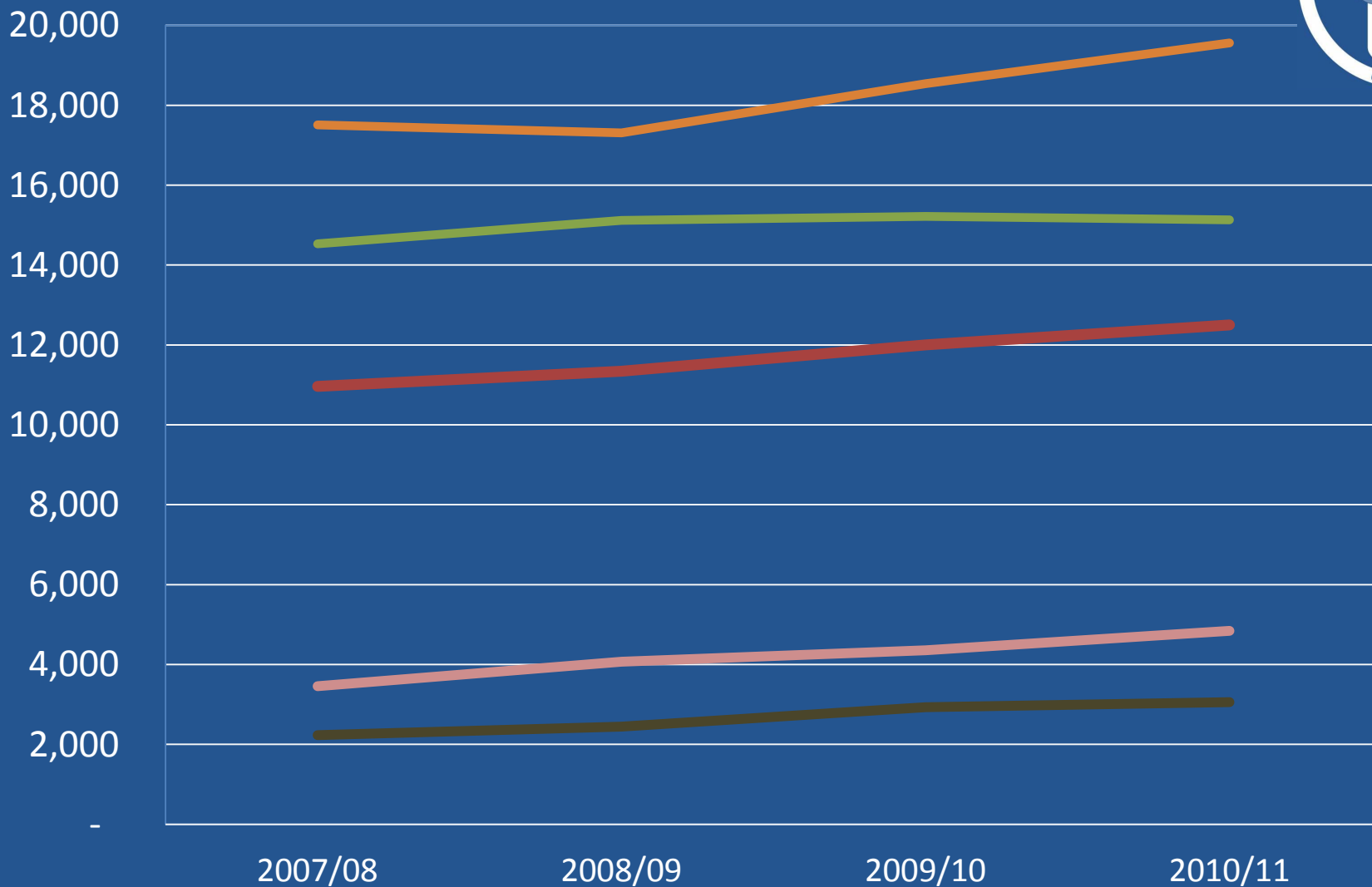
EPC in Context – Influencing the Agenda





FTE







First degree (UG) students



- Civil engineering
- Aerospace engineering
- Chemical process and energy engineering
- Mechanical engineering
- Electrical and electronic engineering

Responses to consultations

Download pdf

Sep 2012	IPPR call for evidence on "The Future of Higher Education in England"		
Sep 2012	OfQual consultation on A level reform		
Jun 2012	House of Commons Science and Technology Select Committee: Engineering Skills Enquiry		
Feb 2012	Response to HEFCE funding consultation		
Jan 2012	UCAS admissions process review		
Oct 2011	BIS Regulatory Framework consultation		

Newsletters

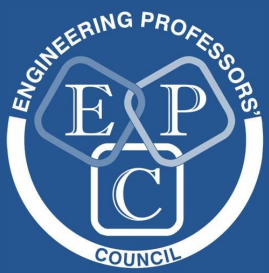
We publish a round-up of EPC's activities periodically in [newsletters](#)

Congress presentations

EPC's annual flagship event is Congress. [Presentations](#) from a range of high profile speakers may be downloaded here.

Occasional papers

EPC carries out original research and other developmental projects, making recommendations in [occasional papers](#) for innovative best practice in engineering higher education and the professional development of engineers.



Key issues: Pressure from a number of directions

1. Contribution to economic recovery and the skills agenda

2. Examinations reform

3. Attractiveness of UK to overseas students and academic staff

4. Changing UK HE landscape

Engineering
in UK HE



Key issues: summarised in our response to the recent IPPR call for evidence (Sept 2012) 3/4



- The very substantial *direct and indirect contributions* that engineering in higher education makes to the economic and cultural health of the UK and its regions via its wide and diverse provision.
- The risks associated with the recent changes to UK immigration regulations: its direct impact on the financial and intellectual sustainability of engineering in UK HEIs

Available at
<http://epc.ac.uk/responses-to-consultations/>



Key issues: summarised in our response to the recent IPPR call for evidence



- The risks to engineering associated with the recent *changes to the funding mechanism* and the seemingly disproportionate financial impact for such strategic and vulnerable subjects and on social mobility.
 - SIVS premium eroded, threat to extended programmes.....

Available at <http://epc.ac.uk/responses-to-consultations/>



Key issues #1: contribution to economic recovery and skills agenda

- A submission to the House of Lords enquiry into Higher Education in Science, Technology, Engineering and Mathematics (STEM) subjects



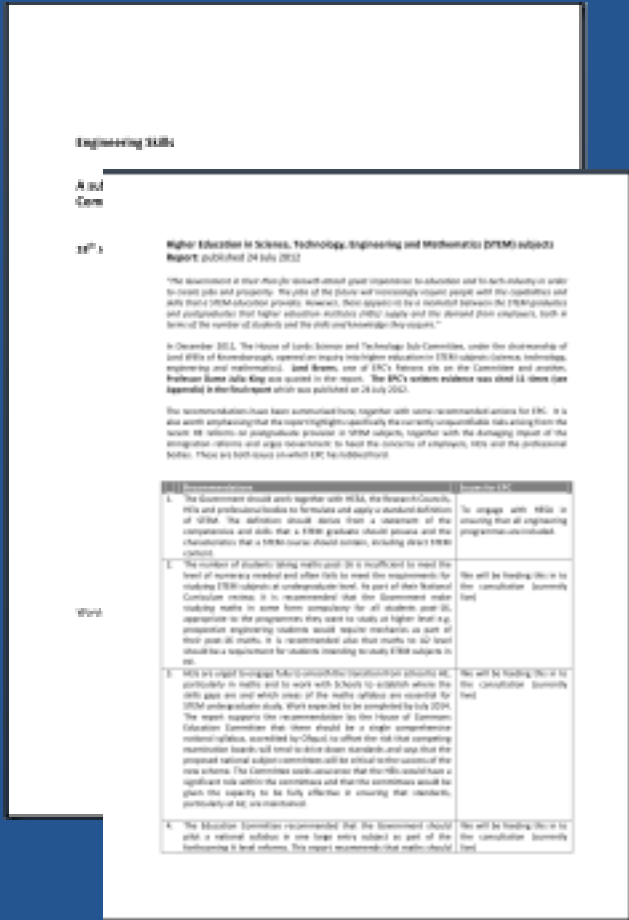
- 32 recommendations, EPC evidence cited 11 times.

Definition of STEM, “Softer STEM”, Mathematics and preparatory skills, national syllabus and single Examination. “it will be important to ensure that funds provided for SIVS and STEM initiatives are not used for other purposes. STEM subjects generally need more funding than many others—despite typical student fees being the same for all subjects”.

Available at <http://epc.ac.uk/responses-to-consultations/>



Key issues #1: contribution to economic recovery and skills agenda



- A submission to the House of Commons Science and Technology Select Committee inquiry into Engineering Skills
 - 30 point response - e.g. Does the Skills Base Meet needs of Employers?
 - Addressed misconception that universities should produce finished article – “The formation of a professional engineer is a two-stage process.”
 - Roles of employers, HEI’s, Professional Bodies

Available at
<http://epc.ac.uk/responses-to-consultations/>



Key issues #1: Contribution to economic recovery and skills agenda

BIS | Department for Business
Innovation & Skills

- Current project: **“telling the impact story”**
- Call to members for wide and varied examples of the return for public investment in engineering in universities

Submit your impact story at
<http://www.smart-survey.co.uk/v.asp?i=55751cosxh>

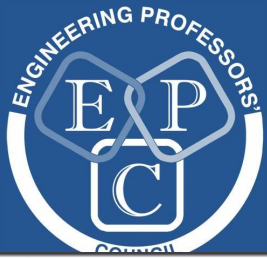
To be used in our contribution to the campaign to maintain/increase the Science Budget in the next Comprehensive Spending Review and to evidence the importance of the need for continuing support for (high cost) strategic and vulnerable subjects.



Key issues #2: Examinations reform



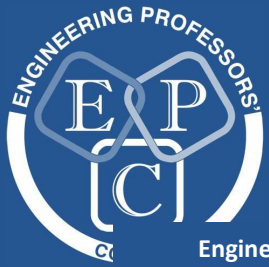
- A submission to the recent consultation on A level reform emphasising:
 - The current inadequate coverage of mathematics in science A Levels and the need for integration of learning and teaching across related subjects
 - The need to involve universities in determining the content and standards of A Levels but that the whole HE sector should be able to contribute, not just those represented by the Russell Group.



Key issues #2: Examinations reform

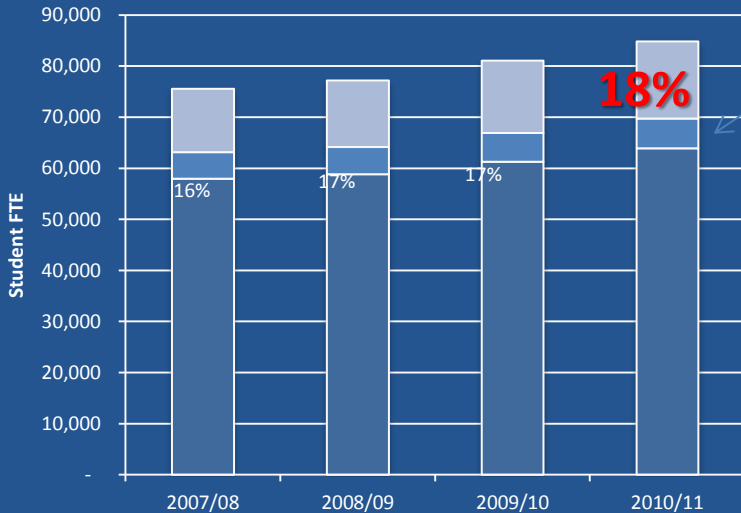
- We recommended that since universities already liaise extensively with, and academic staff are represented on, the learned societies, they appear to be the appropriate bodies through which to work.





Key issues #3: Attractiveness of UK to overseas students and academic staff

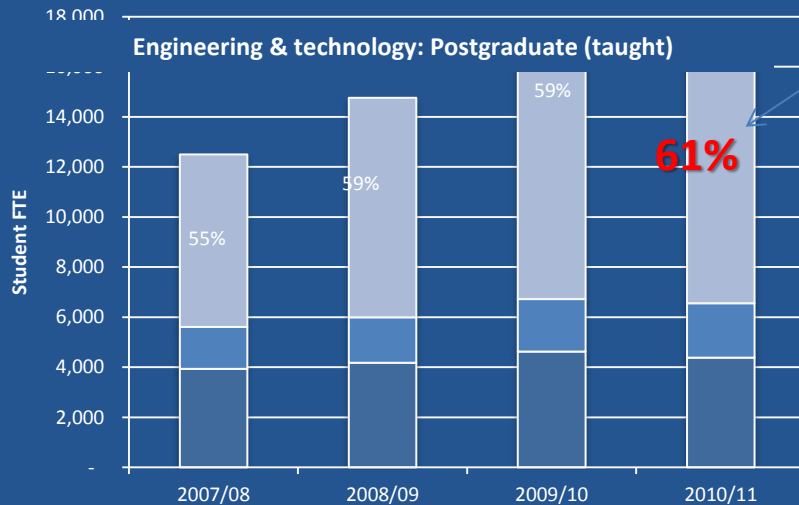
Engineering & technology: undergraduate



Comparative figure is 8% for all HE UG students

- Given the high proportion of non EU students studying and staff teaching engineering, there is a significant risk to viability of some courses.

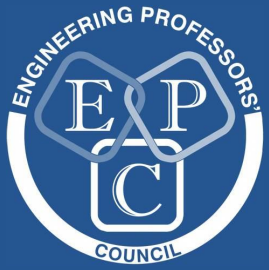
Engineering & technology: Postgraduate (taught)



Comparative figure is 46% for all HE PGT students

- We have made representations to Government in face-to-face meetings

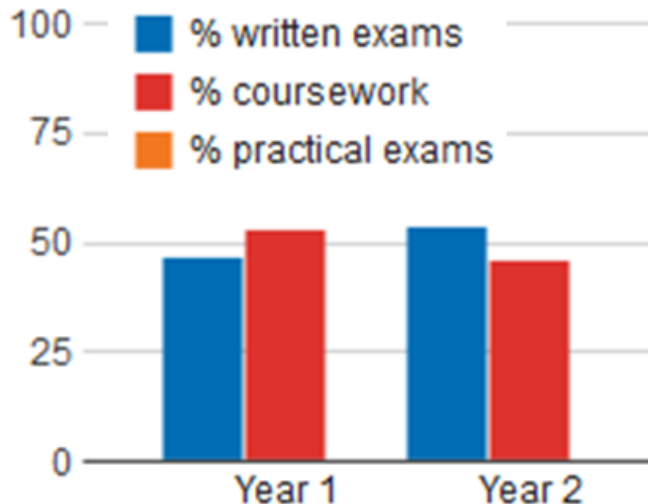
□ UK □ Other EU ■ Non EU



Key Issues #4: Changing UK HE landscape

- **KIS:** Representations to HESA made about course (dis and) aggregation. MEng, BEng, Extended, Combined JACS.
- and of difficulty of realistically representing practical content of engineering degrees

Assessment



BEng Civil Engineering

City University London

[See this course at the City University London website](#)

+ Shortlist



Your measures

Overview

Employment & accreditation

Student satisfaction

Cost & accommodation

Study information

Entry information

KIS stands for Key Information Set. The KIS is an official overview of comparable information on higher education courses for prospective students.



UCAS code: H200



Key issues #4: Changing UK HE landscape

- HE in FE
- AAB+ issue



Official: some A-level subjects are harder than others

Relative difficulty of examinations in different subjects

Robert Coe, Jeff Searle, Patrick Barmby, Karen Jones, Steve Higgins

CEM Centre, Durham University



Other EPC work and plans

Council 4 + New Edit Page

Engineering Professors' Council

Promoting excellence in engineering in higher education

HOME ABOUT US OUR NETWORK JOIN US EVENTS EPC PEOPLE EPC PUBLICATIONS MEMBERS' AREA FORUM

Members' area

Access to the resources listed here is password-protected. Please [contact us](#) if you are a member and have forgotten your password.

Currently, Committee papers are available here. Over the coming months, we will be developing a toolkit of further resources to help members with leadership and personal development as well as providing benchmarking data and other tools to help with doing your job. Check frequently for updates or [follow us on Twitter](#).

[Committee papers](#)

[Working groups](#)

[Datasets and analysis](#)

[EPC Toolkit](#)

(Edit)
New website launched, new members' area currently under development

Working to provide benchmarking data to members for each of the engineering disciplines encompassing:

- League table metrics (NSS, proportion of 1/2i, entry tariffs, RAE/REF performance, spend per student, post graduate employment outcomes etc)
- Analysed by Mission Group, region, institution size etc



Upcoming events

- **Recruitment and Admissions Forum: 7 November 2012 at the Royal Academy of Engineering**
- **Annual Congress: 16/17 April 2013 at the University of Portsmouth**

Current Requests

- **2012/13 recruitment position**
- **Impact examples.**

<http://epc.ac.uk>

Follow us on

