

The 1st European employment survey for chemists & chemical engineers (EESC1) and an outlook for EESC2

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1. The Complete Report
 2. Responses and Language
 3. Qualification and Job Market
 4. Salaries
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The Report's Altmetric Score



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CHEMISTRY
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Guest Editorial

■ European Survey for Chemists

The Professional Status of European Chemists and Chemical Engineers

DOI: 10.1002/chem.201501364

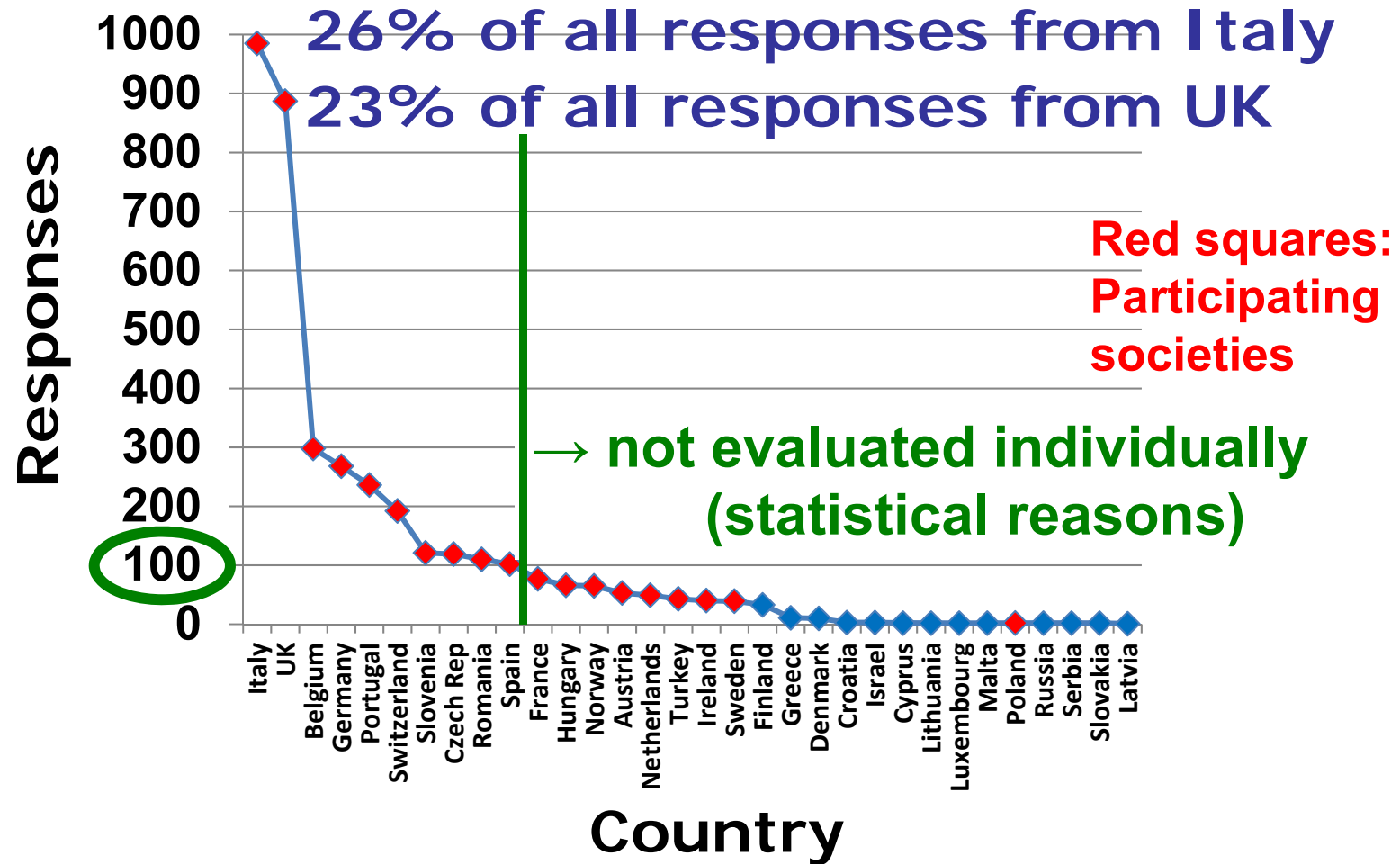
The excellent acceptance of EESC1 indicates the need of such surveys and supports EuCheMS' role as successful political player

Proposals for the 2nd Survey

- **EuCheMS/ACS project in 2017**
- **ECTN is responsible partner, EC, Cefic participate actively**
- **Simplified online questionnaire, common core plus special pages**
- **Translation by national societies**
- **National societies approach their members directly (>5% response)**

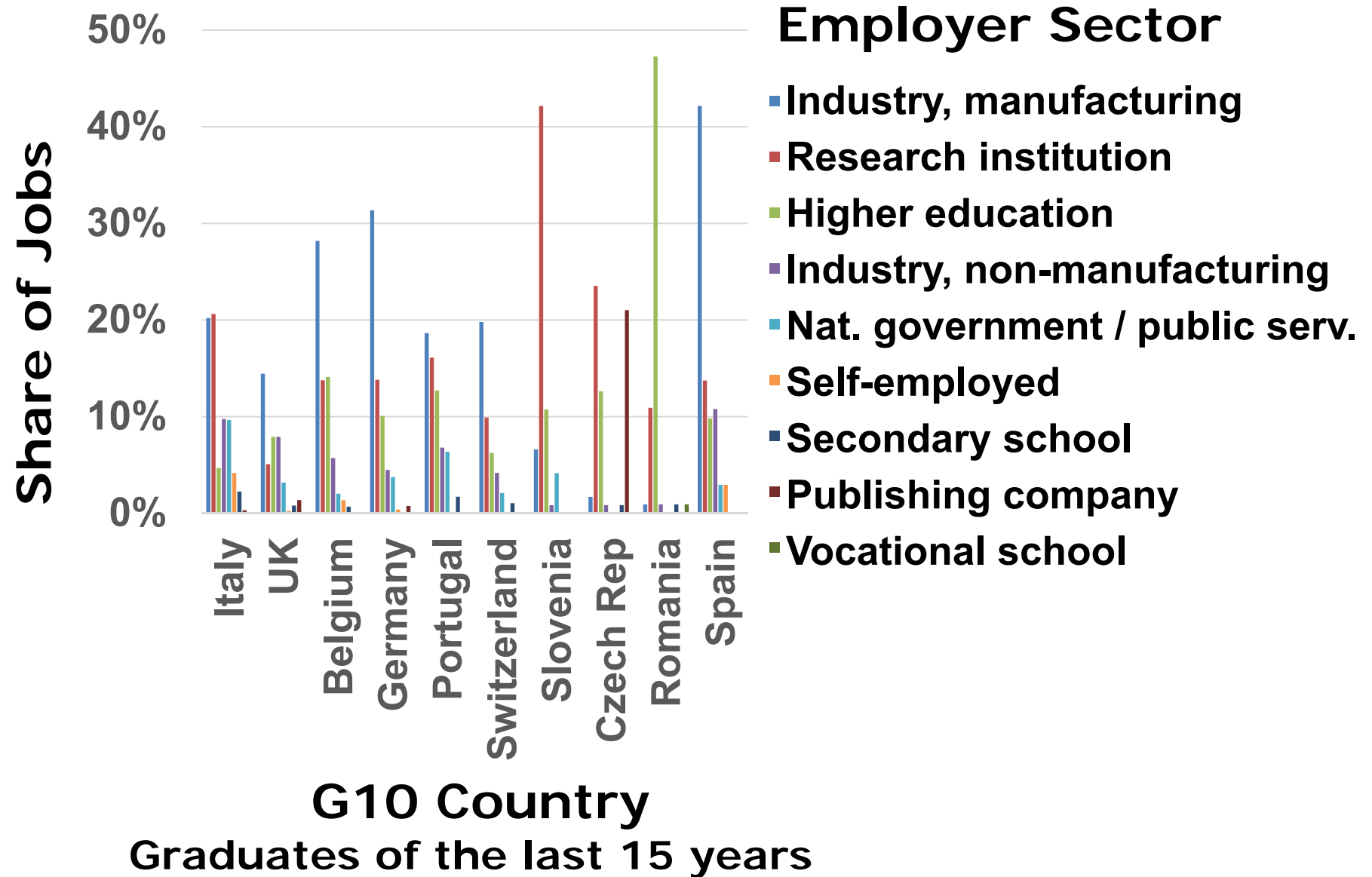
1. Responses

Responses stored in anonymous form



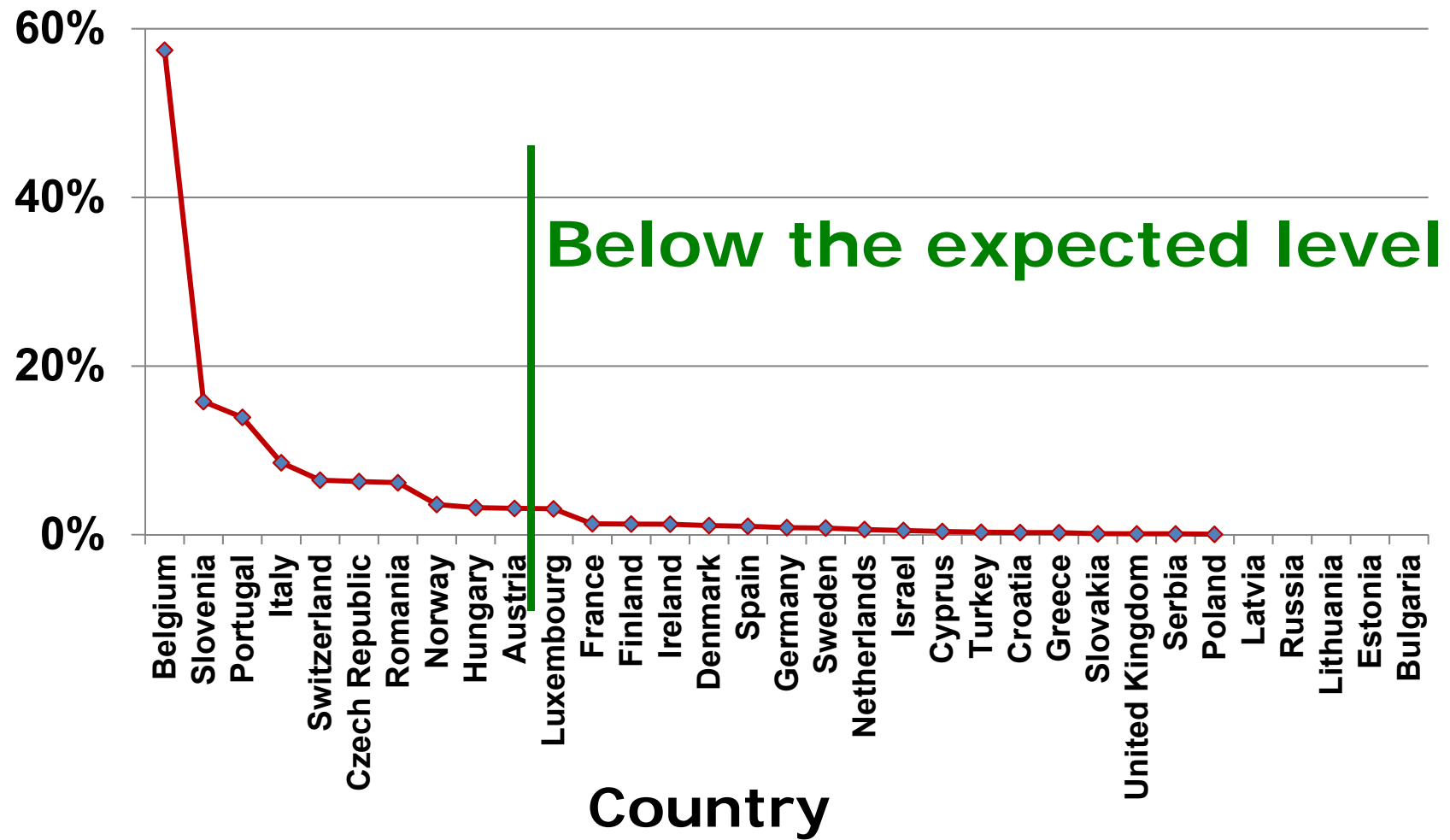
... Thanks to the G10 Societies!

Country-specific Job Market



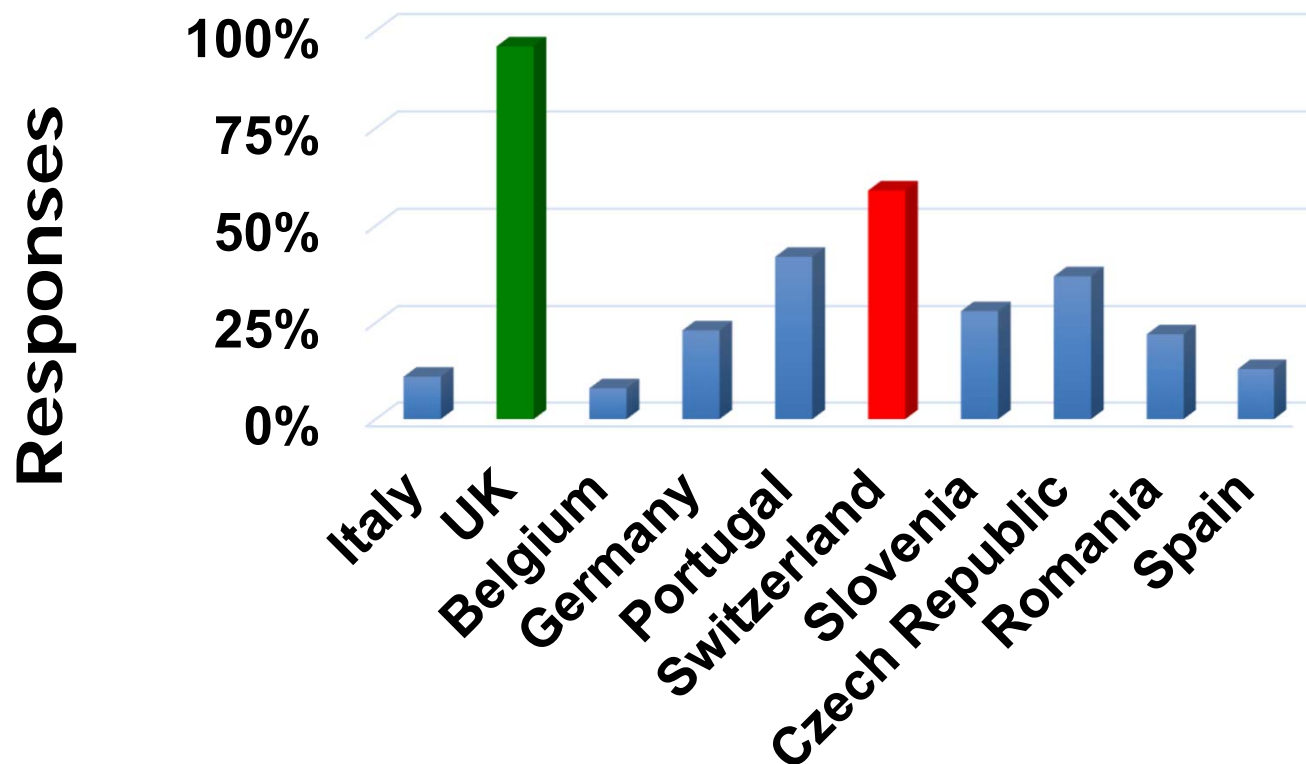
How to activate your membership?

Based on EuCheMS Membership data 2013



EESC2 Questionnaire in English

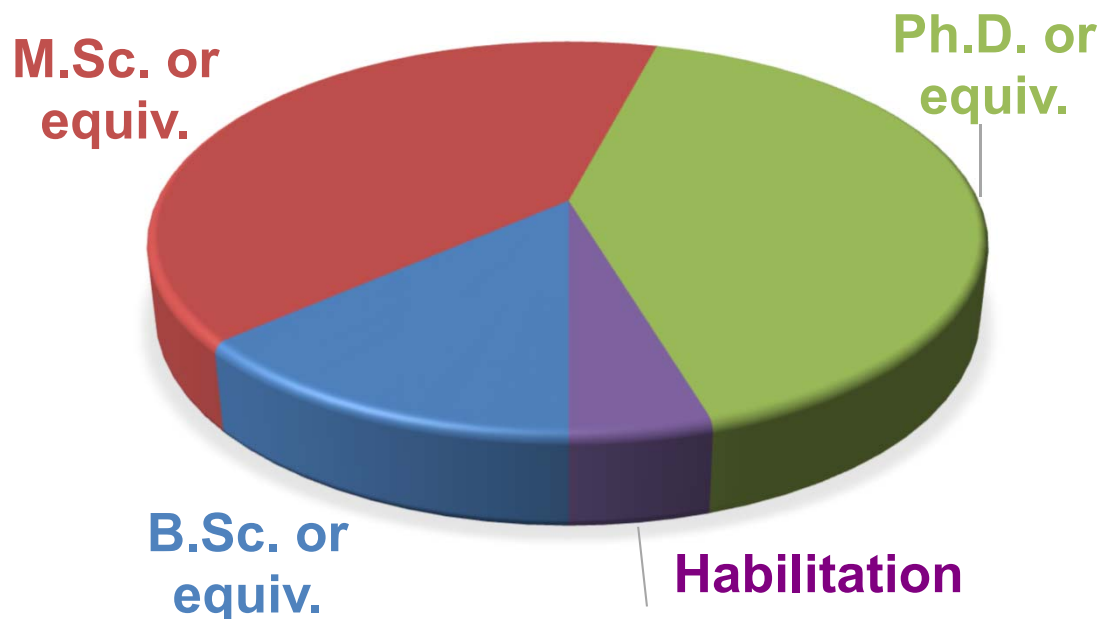
Percentage of responses in English even though the native language was available:



**National Society may translate into local language.
Deadline: 4 weeks after approval of the questionnaire.**

Joint Survey to Ensure Data Comparability

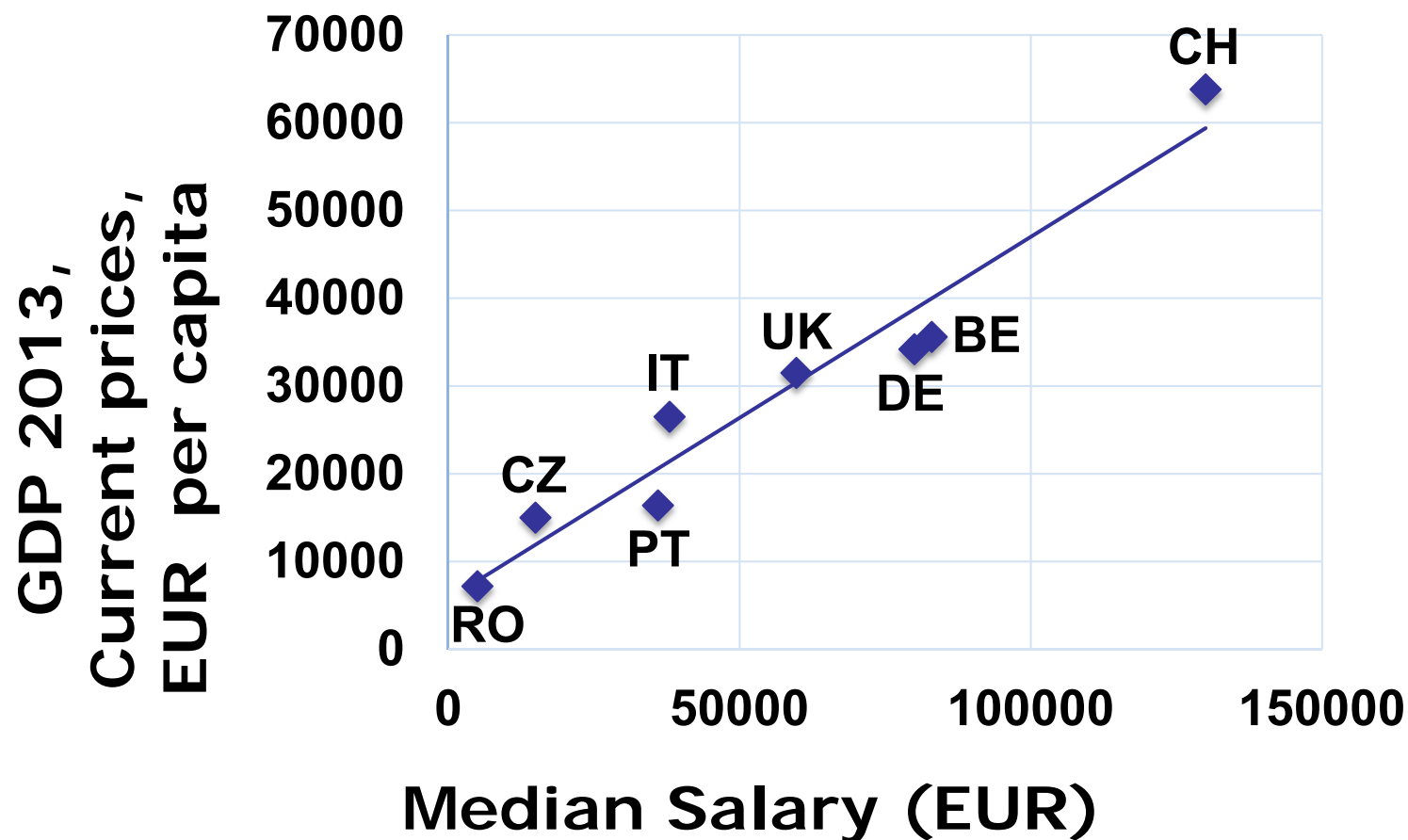
Qualification of Chemists in Europe:



Shares of Females			
	All grads	Grads 2009	ACS 2009
M.Sc. or equ.	44%	38%	48%
Ph.D. or equ.	37%	48%	39%

Diversity higher in Europe

Ph.D. Median Salaries and GDP



Full time, perm. contract, >3 years experience

Draft Questionnaire for EESC2 on the Way

The screenshot displays the EuCheMS website header with the logo and contact information. A navigation menu includes links for HOME, ABOUT US, POLICY & COMMUNICATION, PROFESSIONAL NETWORKS, MEMBERS, AWARDS, and EVENTS. A search bar is present with the placeholder text "Type keywords...". Below the navigation is a green banner with the text "Protected: EESC2 – Employment Survey for European Chemists". The main content area features a breadcrumb trail: "HOME | PROTECTED: EESC2 - EMPLOYMENT SURVEY FOR EUROPEAN CHEMISTS". A list of survey sections is provided, with "1 Introduction" highlighted. The text describes the survey's purpose, supported by the European Association of Chemical and Molecular Sciences (EuCheMS) and the European Commission. It also mentions that participation is invited by National Chemical Societies and that the survey is anonymous. A "START" button is located at the bottom of the page.

EuCheMS
European Chemical Sciences

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Type keywords...

HOME ABOUT US POLICY & COMMUNICATION PROFESSIONAL NETWORKS MEMBERS AWARDS EVENTS

Protected: EESC2 – Employment Survey for European Chemists

HOME | PROTECTED: EESC2 - EMPLOYMENT SURVEY FOR EUROPEAN CHEMISTS

EESC2

1 Introduction 2 Personal Information 3 Address Information 4 Employment Status 5 Available Professional or Academic Fellowship Positions
6 Career Motivation 7 Career History and Education 8 Current Job Data 9 Job Information 10 Training Information
11 Industry Employers 12 Salary Information 13 Final Remarks and Submission

Employment Survey for European chemists
This survey will provide details about the current employment situation for chemists and chemical engineers across Europe and about required consequences for the post-secondary educational system. Your participation will contribute to the acquisition of quantitative data about job market needs, thus facilitate successful careers for the graduates.

The project is supported by the European Association of Chemical and Molecular Sciences (EuCheMS), by the Joint Research Centre of the European Commission and by the European Chemical Industry Council (Cefic). It is executed by the European Chemistry Thematic Network Association (ECTNA).

You have been invited to participate in this survey by your National Chemical Society. No personal data have been disclosed. Please complete all fields of the short questionnaire. All your responses will be made anonymous. Your e-mail address is only required to protect the survey from spoiling.

If you want to receive evaluation results of this employment survey – including salary information - by e-mail to the address submitted on page 1, please tick the corresponding box in the questionnaire.

This questionnaire is available in all national languages of the participating societies. You may freely choose your preferred language. In order to avoid incompatibility between various national terms (programmes, certificates, degrees) we use international classification (UNESCO, EU).

If you have any questions regarding this questionnaire, please contact the delegate of your National Chemical Society (*name of the Delegate (contact e-mail of the Delegate)*).

This survey will be open between March 1st - 31st, 2017.

START

www.euchems.eu/eesc2-employment-survey-european-chemists/

Questionnaire: Common Core and Special Pages

<p>Personal</p>	<p>Education</p>	<p>Prior Postdoc</p>	<p>Employment</p>
<p>MSc Students</p>	<p>PhD Students</p>	<p>Current postdoc</p>	<p>Job</p>
<p>Training</p>	<p>Salary</p>	<p>Industry</p>	

Entries: white identical for ACS and EuCheMS; green minor differences; red: only EuCheMS; blue: copied from ACS; extra entries for ACS not indicated here.

Emphasis on PhDs and Postdocs

Many PhD students enjoy the intellectual freedom of a PhD for a few years and then successfully move on to other things. But a lot of students want more preparation and training for that step - such as ***building skills in management, budgeting or negotiation.***

There may be too many PhD graduates for academia, but there is ***plenty of demand for highly educated, scientifically minded workers elsewhere.***

J. Gould: Nature 528 (2015) 22-25.

Emphasis on PhDs and Postdocs - II

Do you feel that you have enough information about the following career options:	
University faculty with an emphasis on research or development	Severe lack of information
University faculty with an emphasis on teaching	
Government or research institute with an emphasis on research or development	Could use more information
Startup firm with an emphasis on research or development	
Established firm with an emphasis on research or development	Enough information
“Alternative” non-research careers	

Emphasis on PhDs and Postdocs - III

Assuming you had the choice, which of the following would be your most preferred career?

- University faculty with an emphasis on research or development**
- University faculty with an emphasis on teaching**
- Government or research institute with an emphasis on research or development**
- Startup firm with an emphasis on research or development**
- Established firm with an emphasis on research or development**
- Other career**

Emphasis on PhDs and Postdocs - IV

In your lab/department, to what extent are Ph.D.s encouraged or discouraged to pursue a career as university faculty with an emphasis on research or development

- Strongly discouraged**
- Somewhat discouraged**
- Neutral**
- Somewhat encouraged**
- Strongly encouraged**

Emphasis on PhDs and Postdocs - V

After completing your current degree, which of the following best describes your future plans?

Stay in the EU permanently

Work in the EU for a few years and then move back to my home country

Move back to home country right away

Move to some other country

Don't know yet

To Do List

- Contact e-mail for survey (**Sept 2016**)
 - Translation into local language(s)? (**Oct 2016**)
 - Edition / Approval of the Joint Questionnaire (**Oct / Nov 2016**)
 - President or General Director of Member Society invites personally (**Jan 2017, >5% response**)
 - Online Questionnaire open (**March 2017**)
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