

2nd Employment Survey for European Chemists (ESEC2)

- Chemists ready for Horizon Europe?

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Highly-Skilled Jobs
Mobility in the Workforce
Satisfaction

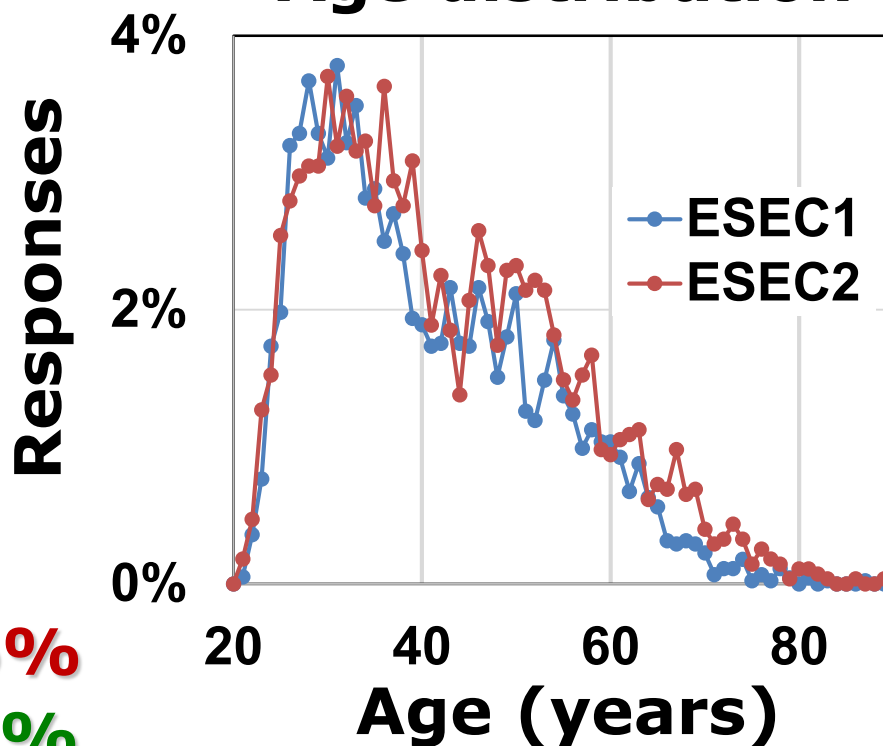
DOI : 10.1002/chem.201804764

ESEC2 Responses

2754 responses in total

1734 graduated with last 15 years (63%)

Age distribution



Not employed

EU 07/2017: 7.6%

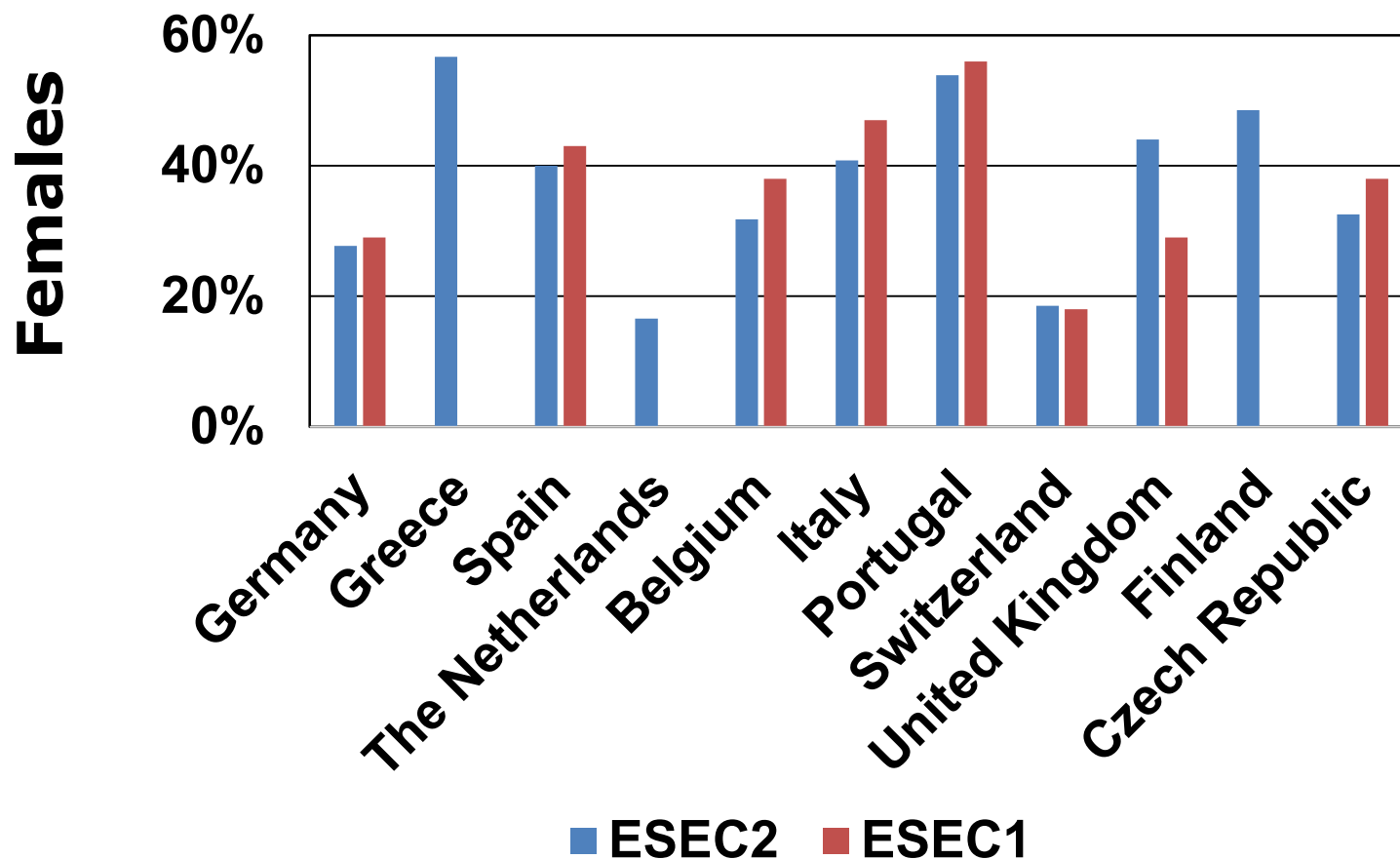
ESEC2 03/2017: 3.7%

ESEC1 03/2013: 2.7%

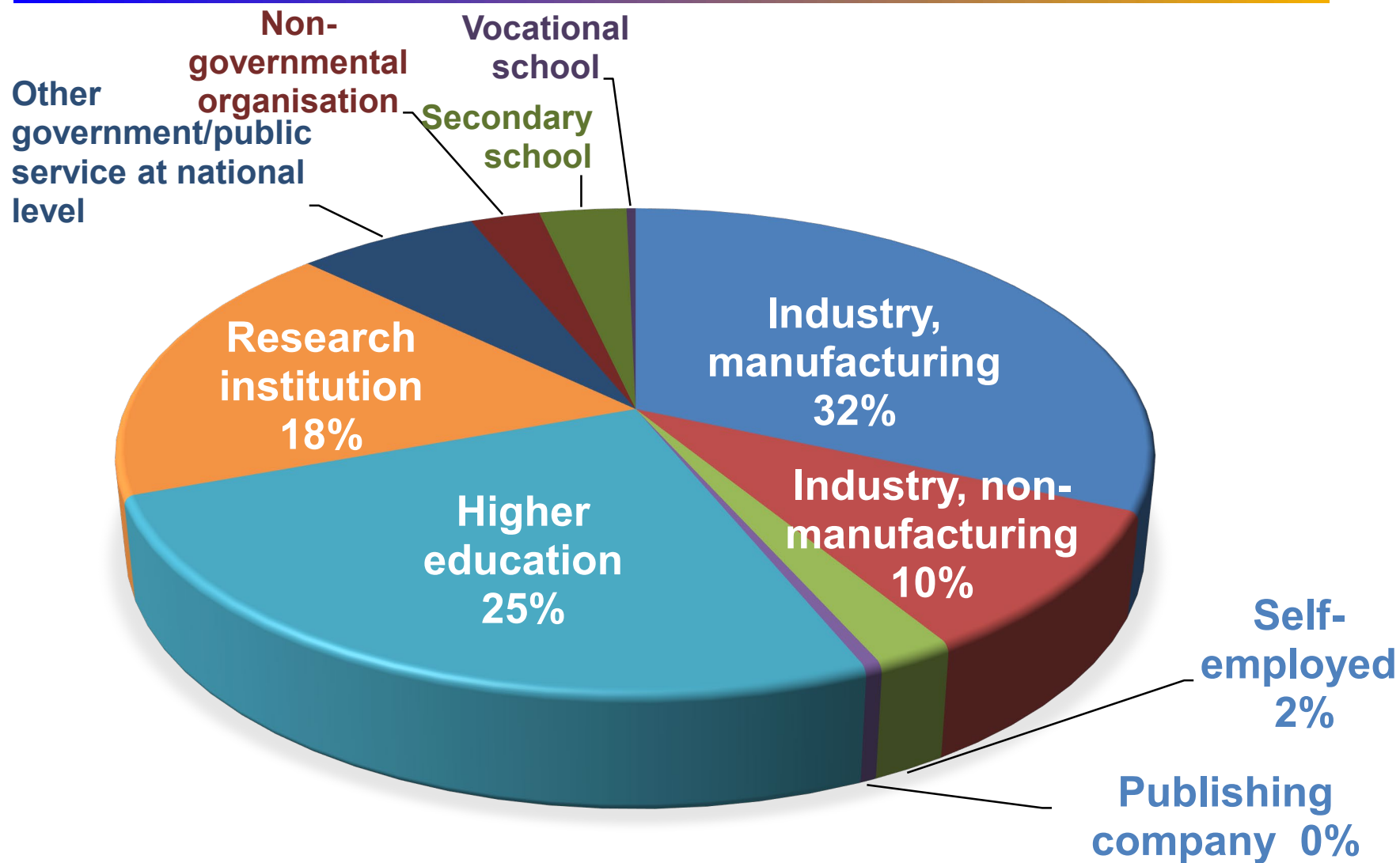
Share of Females

Share of females in chemistry across EU: 41%

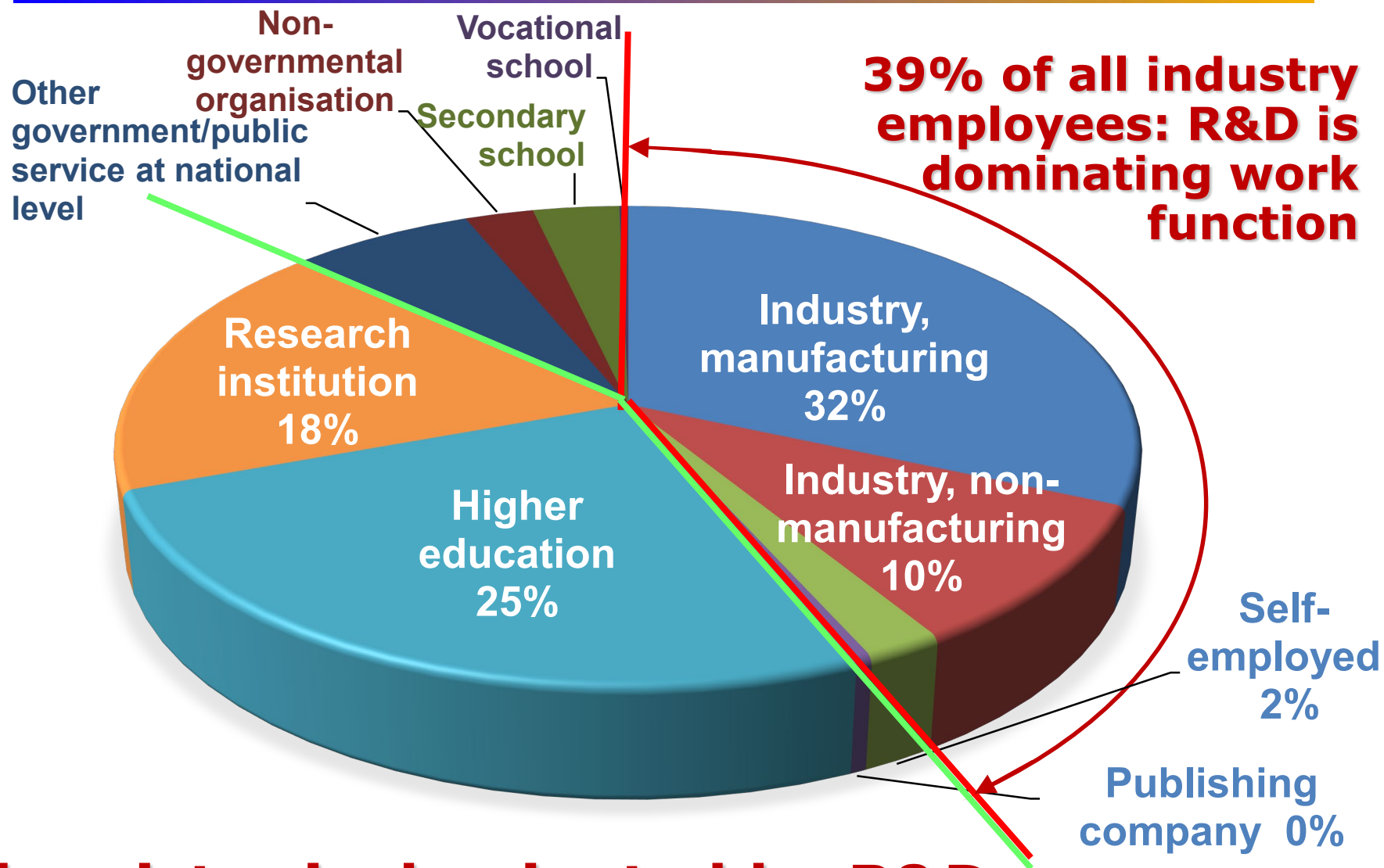
G11 Countries:



Where the jobs are



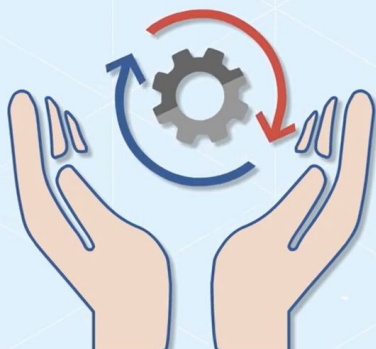
Where the jobs are: Research & Innovation



Chemistry is Prepared for New Jobs



Horizon Europe will:



Create up to 320,000
new highly-skilled jobs
by 2040

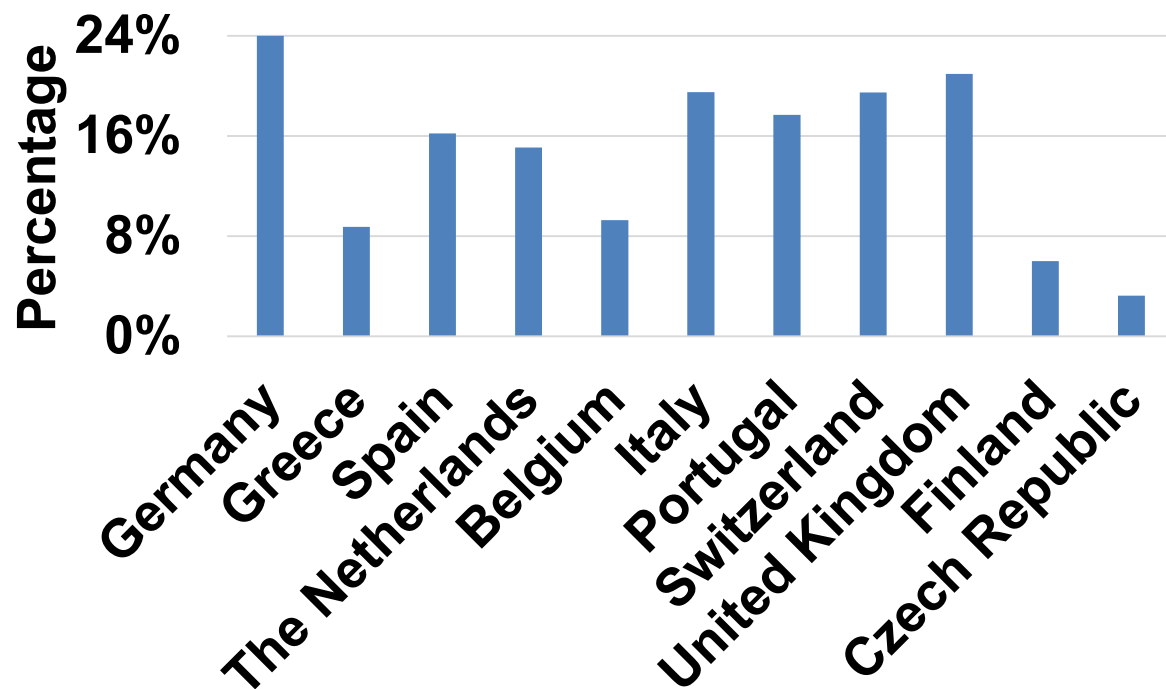


Fund ground-breaking
research and innovation

Ref: https://www.youtube.com/watch?v=g8BQNnX6_kY&feature=youtu.be

Chemists Working Abroad

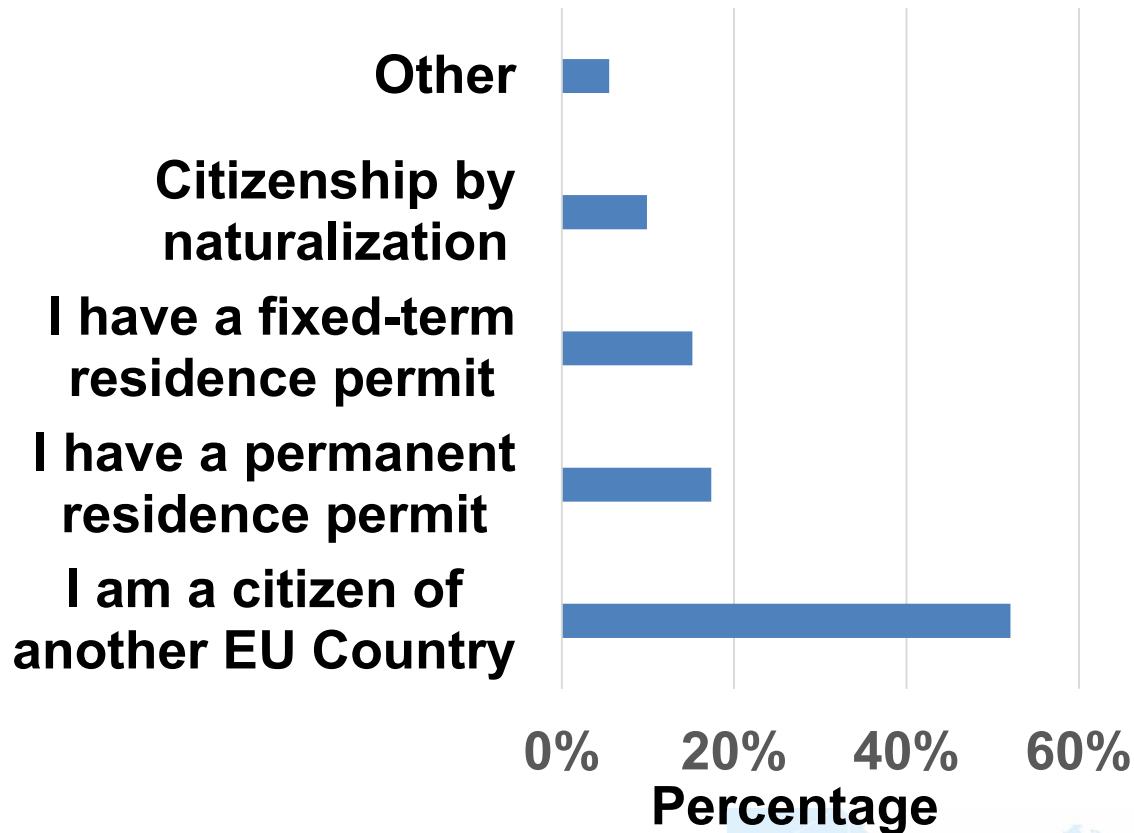
G11 Countries:



Develop their knowledge
and skills through mobility

Ref: https://www.youtube.com/watch?v=g8BQNnX6_kY&feature=youtu.be

Status of Foreign Chemists



Develop their knowledge
and skills through mobility

Ref: https://www.youtube.com/watch?v=g8BQNnX6_kY&feature=youtu.be

Satisfaction: My Job ...

Training: The perils of a postdoc job

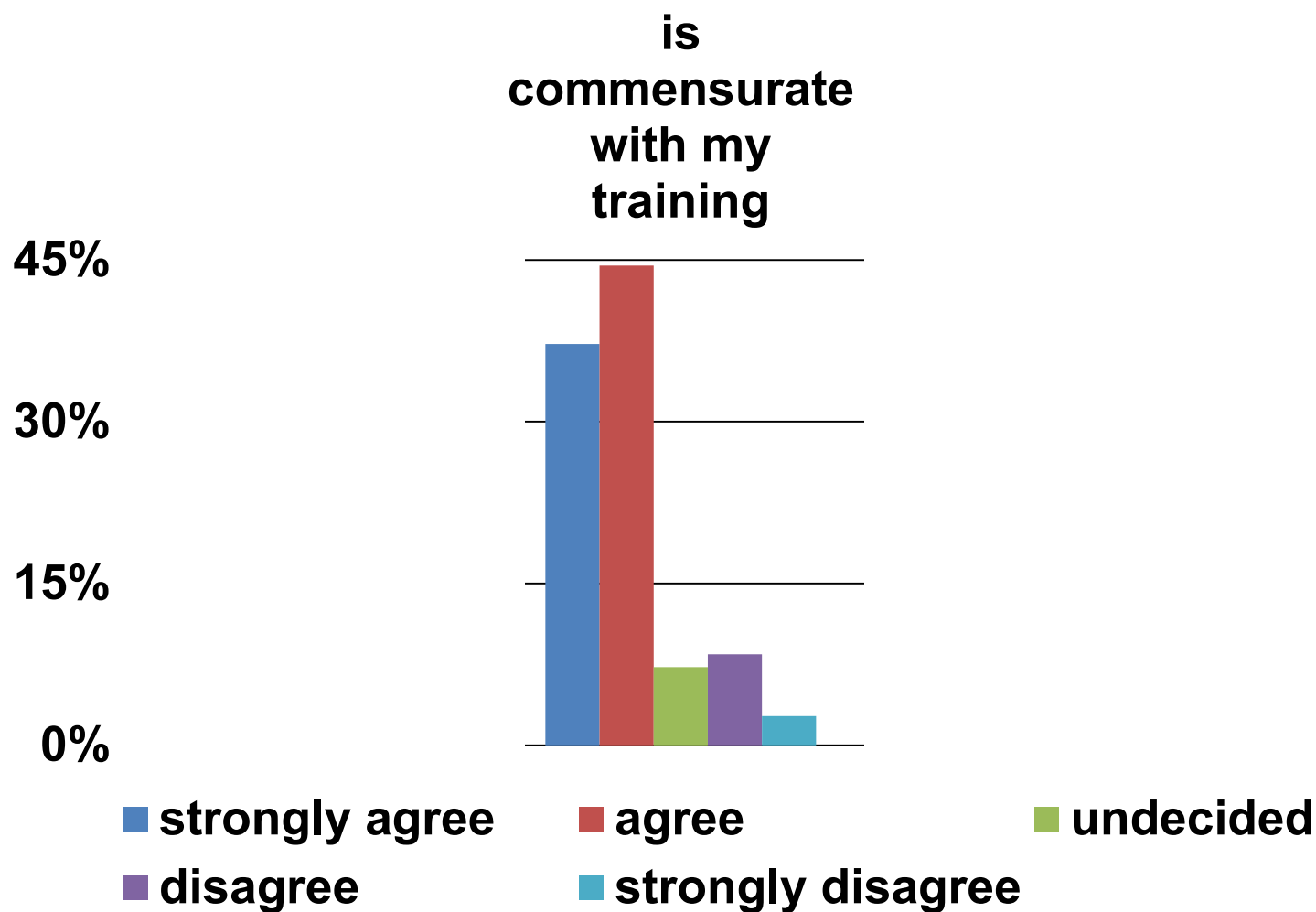
Chris Woolston

Nature 565 (2019) 125-126.

... postdocs “have all the academic science skills you don’t need, and none of the organizational skills that you do”.

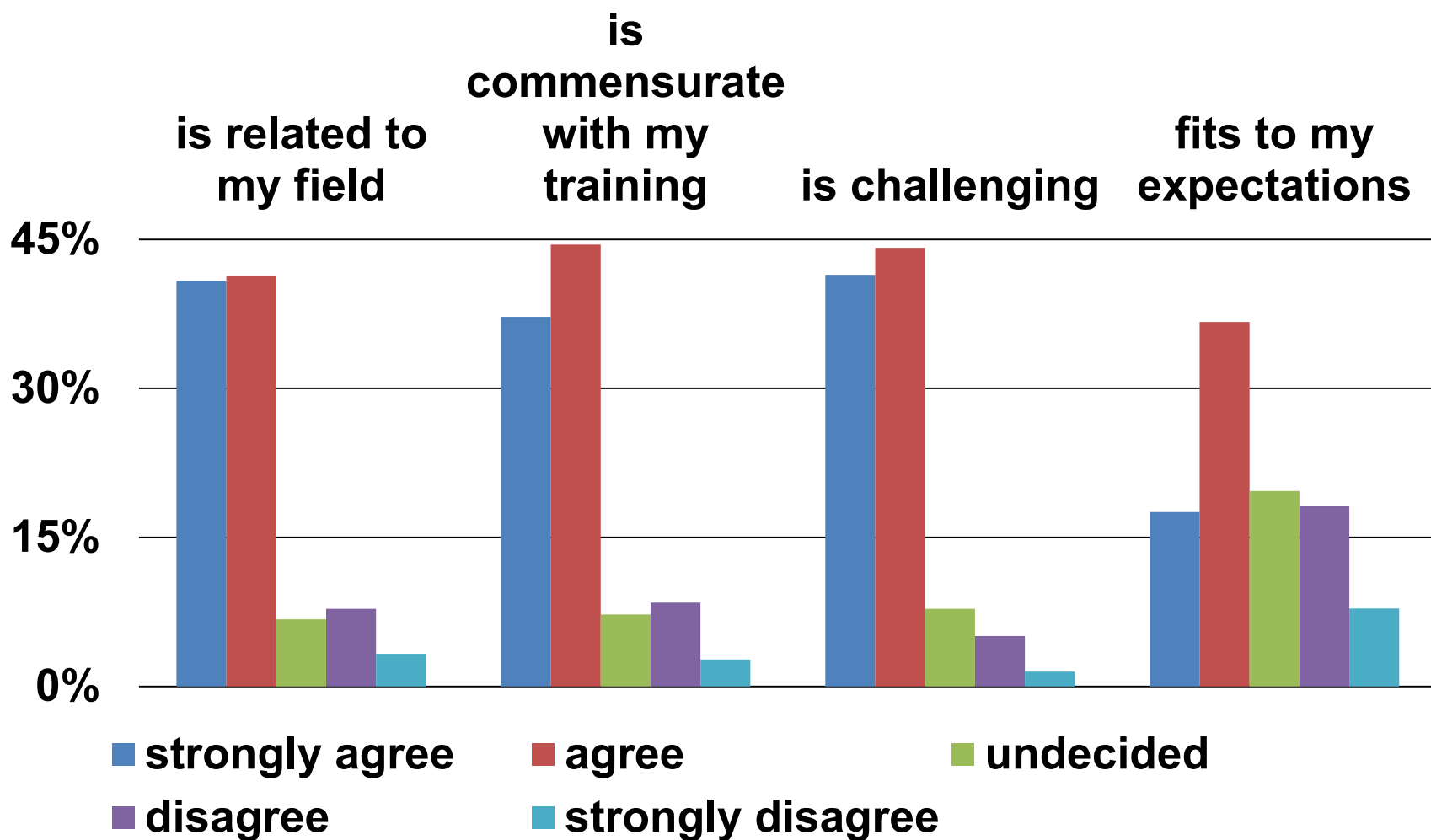
Fact or preconception?

Satisfaction: My Job ...



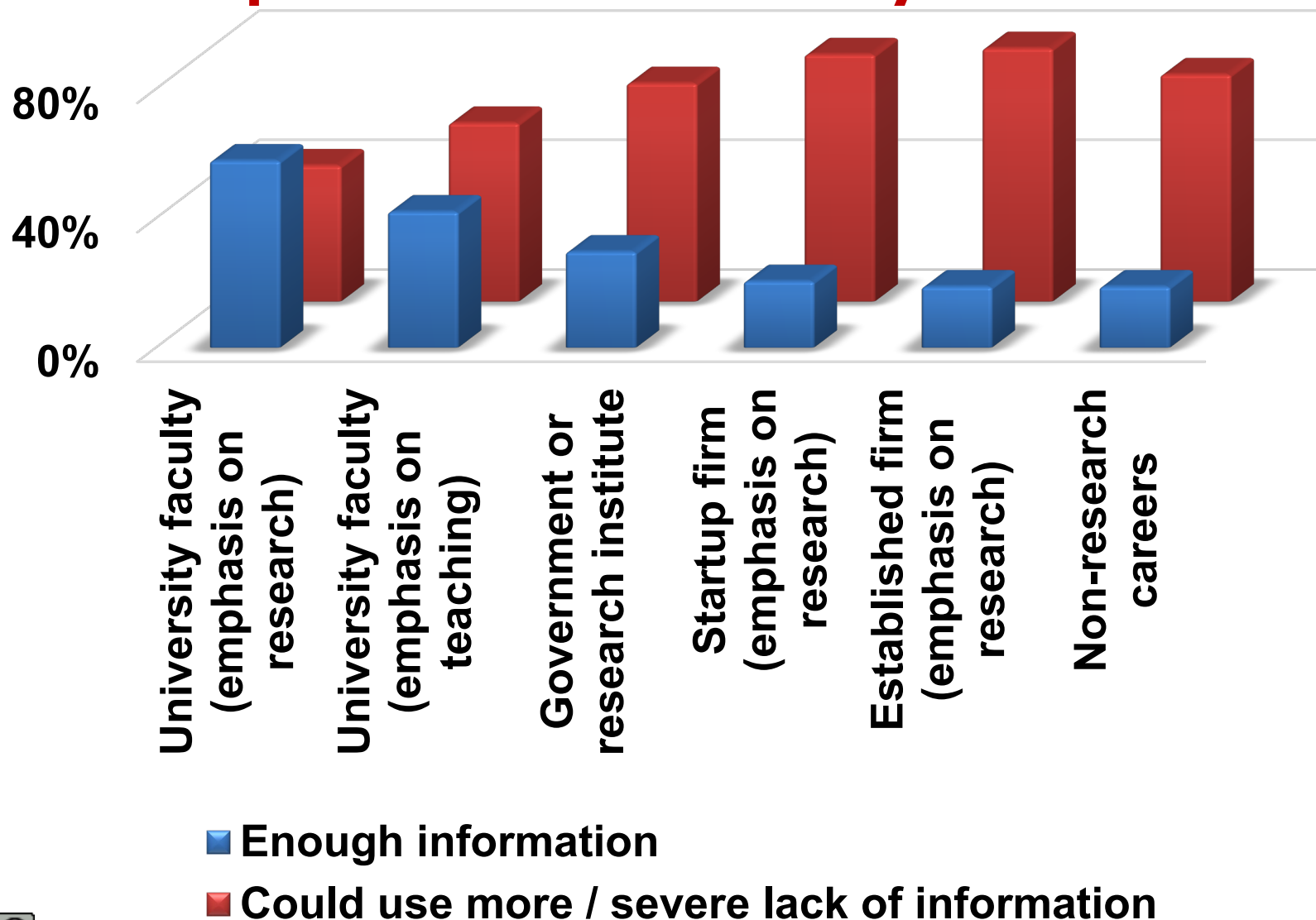
It is a great time to be a chemist!

Satisfaction: My Job ...



Information about Career Options

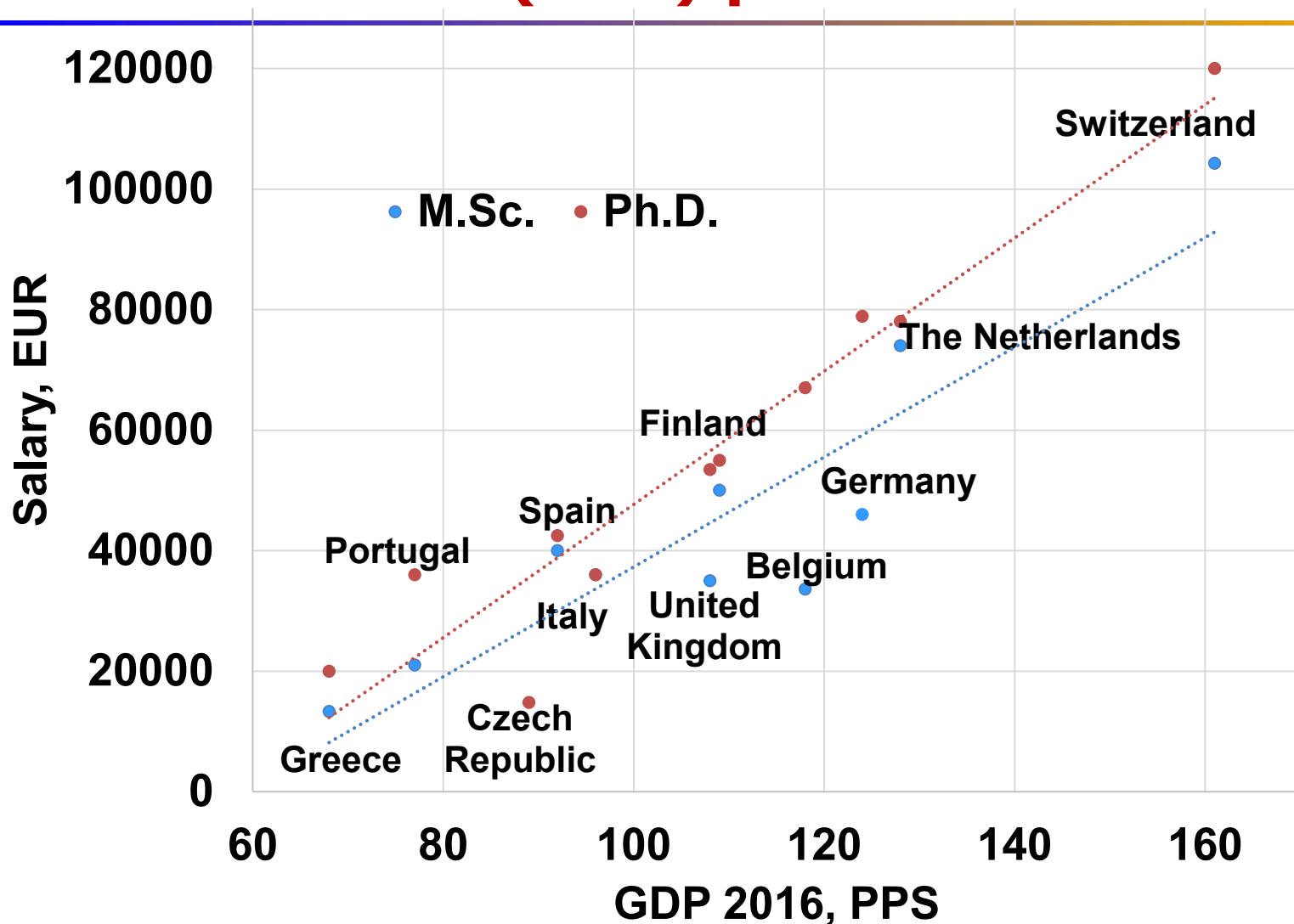
Current postdocs in chemistry:



Quality Labels in Chemistry Education



Median Salaries (EUR) plus Bonuses 2016



Chemistry and Horizon Europe

**Chem/plastic/pharma industries provide
~3 mio jobs in EU28, mostly R&D**

[https://ec.europa.eu/eurostat/statistics-explained/
index.php/Manufacturing_statistics_-_NACE_Rev._2](https://ec.europa.eu/eurostat/statistics-explained/index.php/Manufacturing_statistics_-_NACE_Rev._2)

**Chemists are mobile, highly satisfied
with their jobs, low unemployment**

**Curricula of high quality, career
planning should be improved further**

Global view: Transatlantic survey in 2020
