

Academic's teaching and research activities in Slovenia – findings from the 2018 APIKS survey

Alenka FLANDER (CMEPIUS, SLO)

Manja KLEMENČIČ (Harvard University, USA)

Sebastian KOČAR (Australian National University, AUS)



Overview of presentation

- Overview of higher education system and academic profession
- Methodology
- Highlights on:
 - Overall satisfaction
 - Teaching
 - Research

Overview of higher education system



- Slovene population: 2 million
- 3 public and 1 semi-private universities; 50 other HEIs
- 66,000 students in 2017/2018 (99.000 in 2007/08)
- 8588 academic staff employed (5822 in FTE) in 2015; 3701 non-academic staff ;
- 58% of all students and 51% of all staff in one public university
- decrease in total expenditure on education between 2011 and 2012 – by 13%; increasing since 2016

Methodology

- **No sampling frame or admin data** about the population in Slovenia for 2018 (limited info for up to 2015)
- Online data collection using **Qualtrics: June 14th to July 22nd 2018** (up to 4 reminders)
- Email invitations sent to **7859 academics (possible undercoverage)**, 463 emails bounced, **15%** of those who started **not professionally active** at a higher education institution
- Final sample: **1035 respondents** (including 7% partial interviews, **5% 20-<25% of full time**)
- Response rate (AAPOR RR2) = **16,4%**

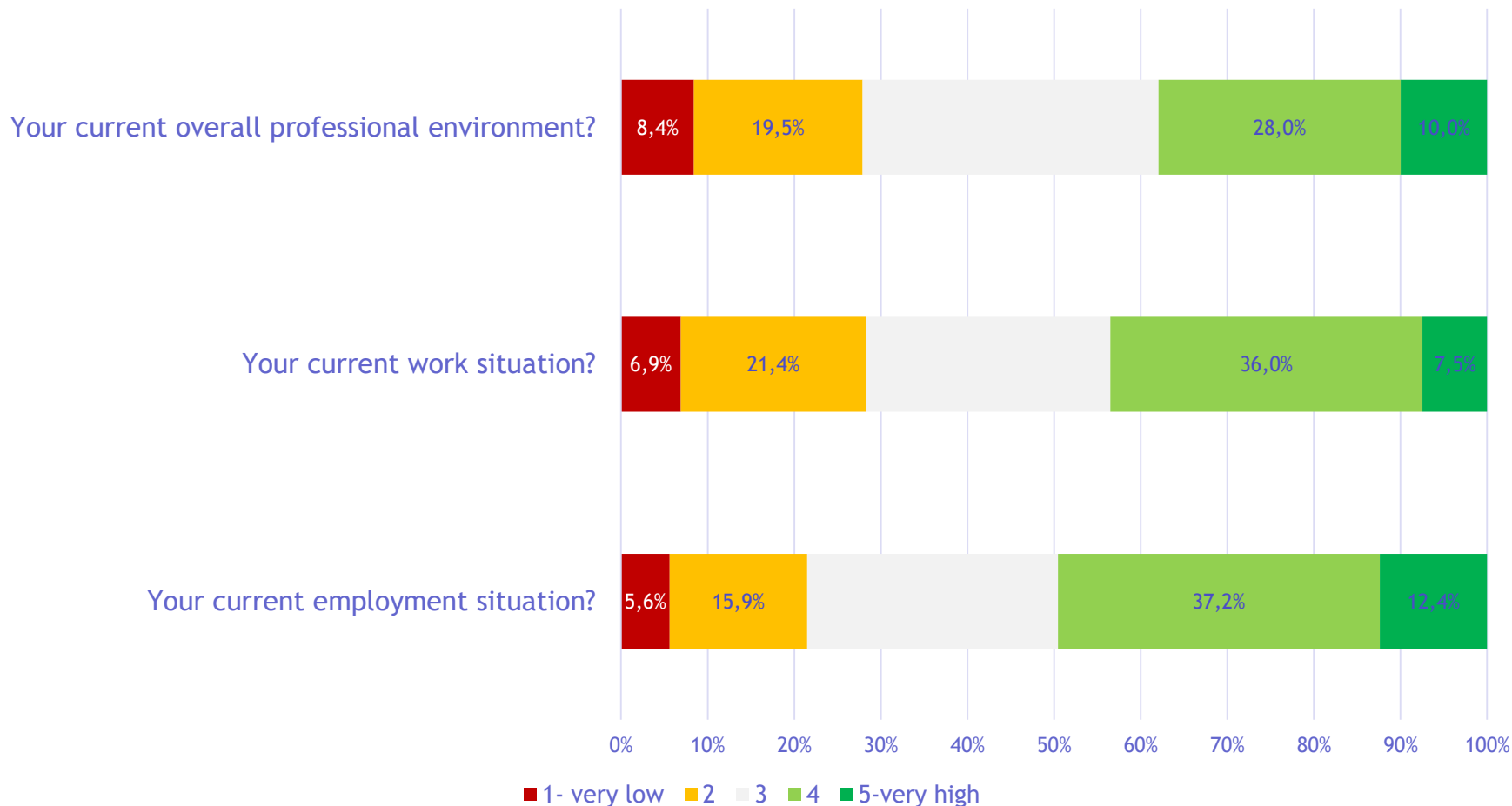
Overview of responses

| Respondents by gender | 2013 | 2018 | Employment situation in the current academic year | 2013 | 2018 |
|-----------------------|------|-------|---|------|-------|
| Male | 54% | 49,5% | Full-time | 87% | 88,3% |
| Female | 46% | 50,5% | Part-time | 13% | 11,7% |

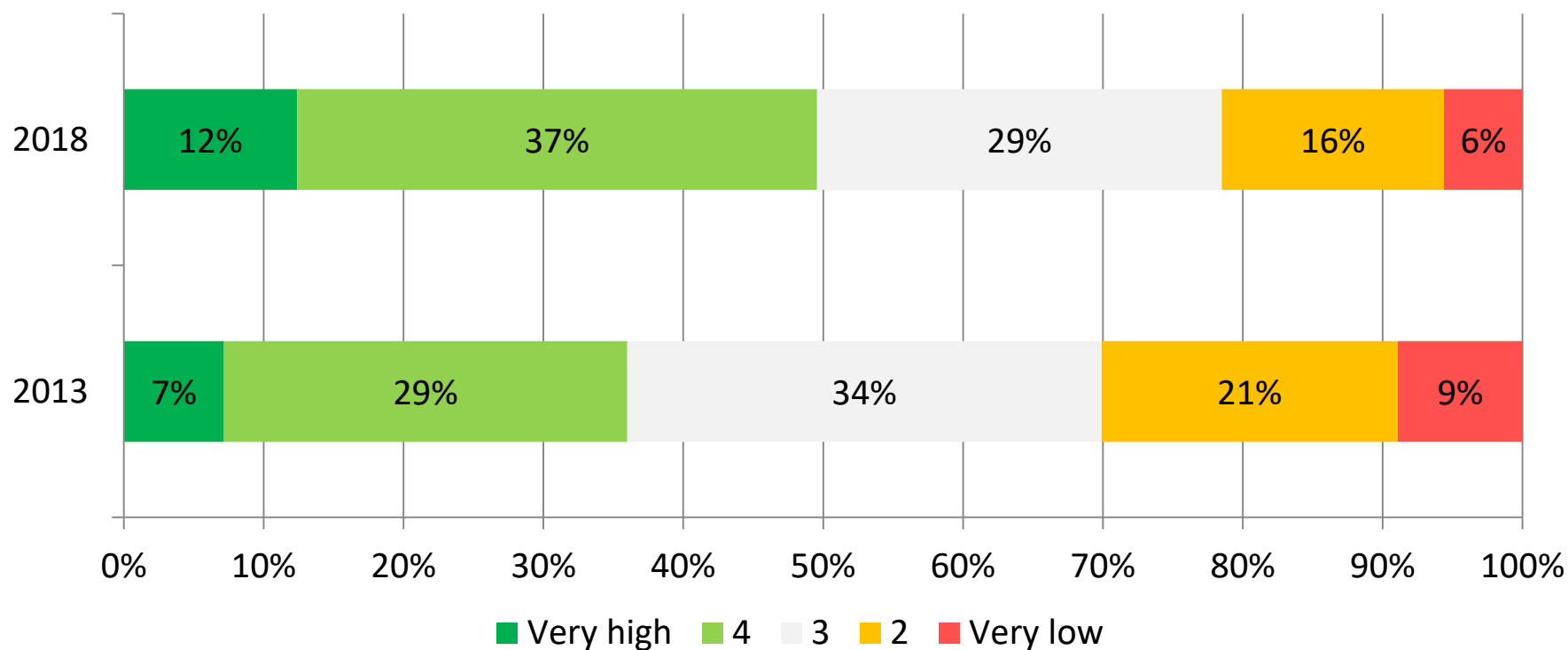
| Respondents by rank | APIKS 2018 | Admin data 2015 <u>estimate</u> | APIKS 2018 distribution by gender | | Admin data 2015 distribution by gender <u>estimate</u> | |
|---------------------------|------------|---------------------------------|-----------------------------------|--------|--|--------|
| | | | Male | Female | Male | Female |
| Full professor | 20,1% | 19,6% | 57,1% | 42,9% | 71,1% | 28,9% |
| Associate professor | 19,7% | 14,2% | 54,5% | 45,5% | 64,7% | 35,3% |
| Assistant professor | 25,3% | 20,2% | 47,1% | 52,9% | 56,6% | 43,4% |
| Junior/Assistant lecturer | 20,6% | 30,8% | 50,0% | 50,0% | 53,5% | 46,5% |
| Other | 14,3% | 15,2% | 35,6% | 64,4% | 42,8% | 57,2% |
| Total | 100% | 100% | 49,5% | 50,5% | 57,5% | 42,5% |

HIGHLIGHTS ON GENERAL SATISFACTION

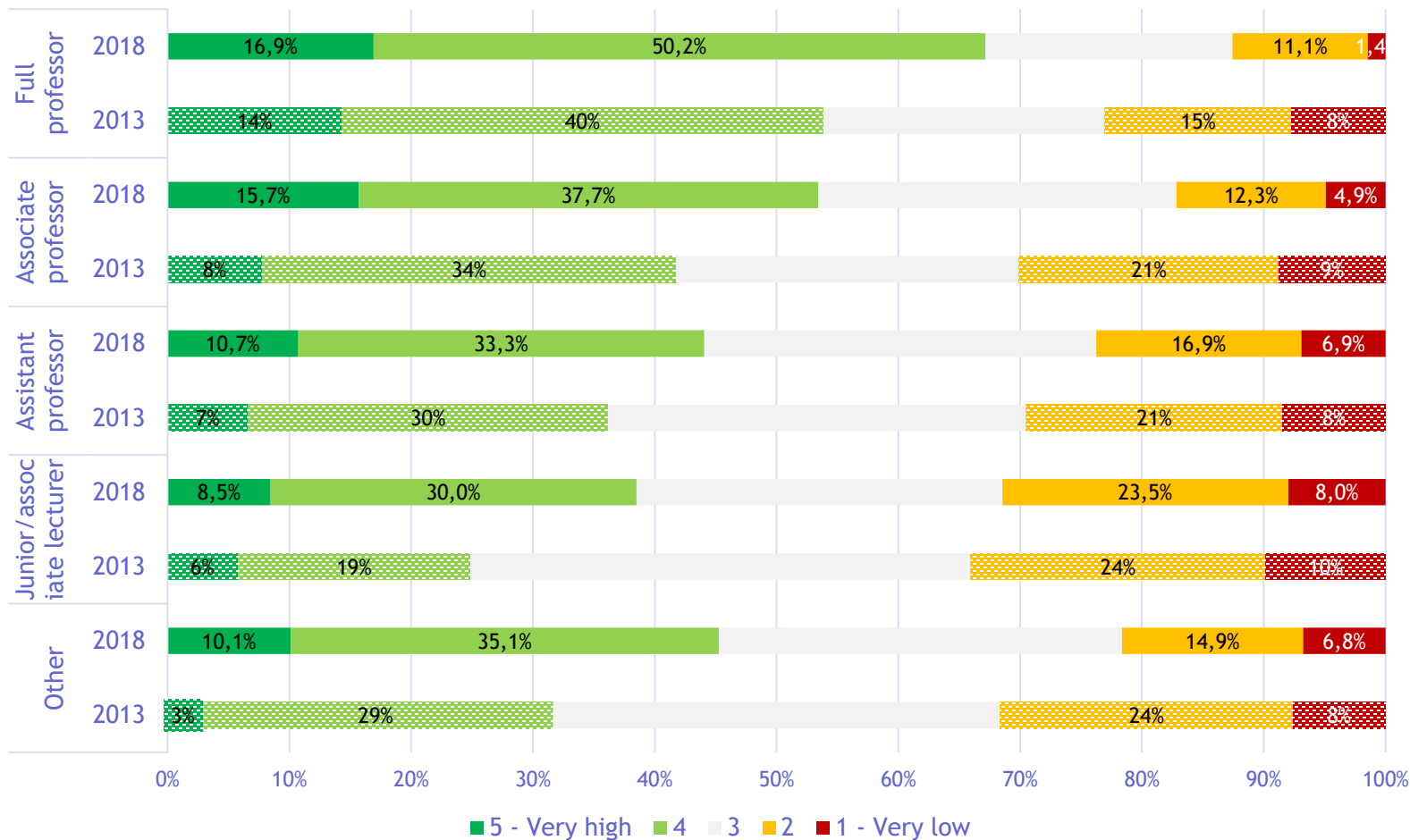
B5 How do you rate your satisfaction with current employment and work situation, and overall professional environment



B5_1 Satisfaction with current employment situation



B5_1 How do you rate your satisfaction with your current employment situation (by rank)?



HIGHLIGHTS ON TEACHING ACTIVITY

Higher education policy development



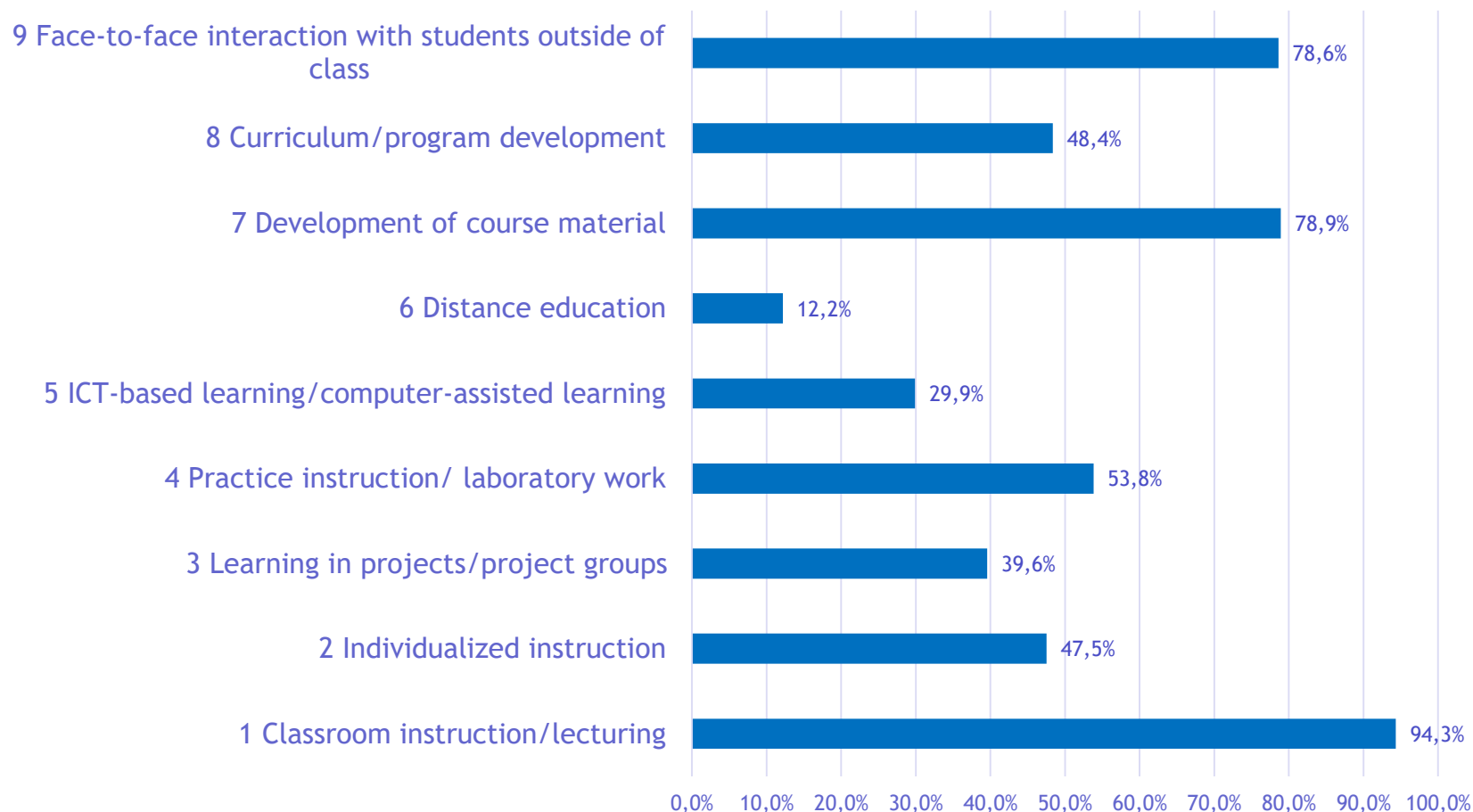
- **Resolution on the National Higher Education Programme 2011-2020 (2011)**
- **Strategy for the Internationalisation of Slovenian Higher Education 2016-2020** (incoming/outgoing mobility of staff & students, IaH) (2016)
- **Amendment to the HE Act in 2012** - enabled universities to modify their study programmes more quickly to improve quality and better respond to the needs of the labour market.
- **Amendment to the HE Act in 2016** - Increased public funding to reach 1% of GDP; performance based indicators; institutional accreditation, performance-based funding model: ~~teaching in foreign languages~~

Teaching and career system overview



- Status of **public servants**; HR policies autonomy of HEIs
 - **Direct teaching load specified** as a public service **by the Higher Education Act**;
 - **16.8 students per 1 teacher** (in FTE in 2014/2015)
 - **Women almost 40%** of the HE teaching staff in 2014/2015 (23.1% in 2000);
 - **42.8% academic staff** is between **50 and 64 years** old
 - **Mobility of staff: 7,3%** (2017/18); 5,5% in 2014/15
 - Since 2014 significant increase in financial support and courses offered for **training courses to enhance quality of teaching**
-

C2 During the current (or previous) academic year, have you been involved in any of the following teaching activities?

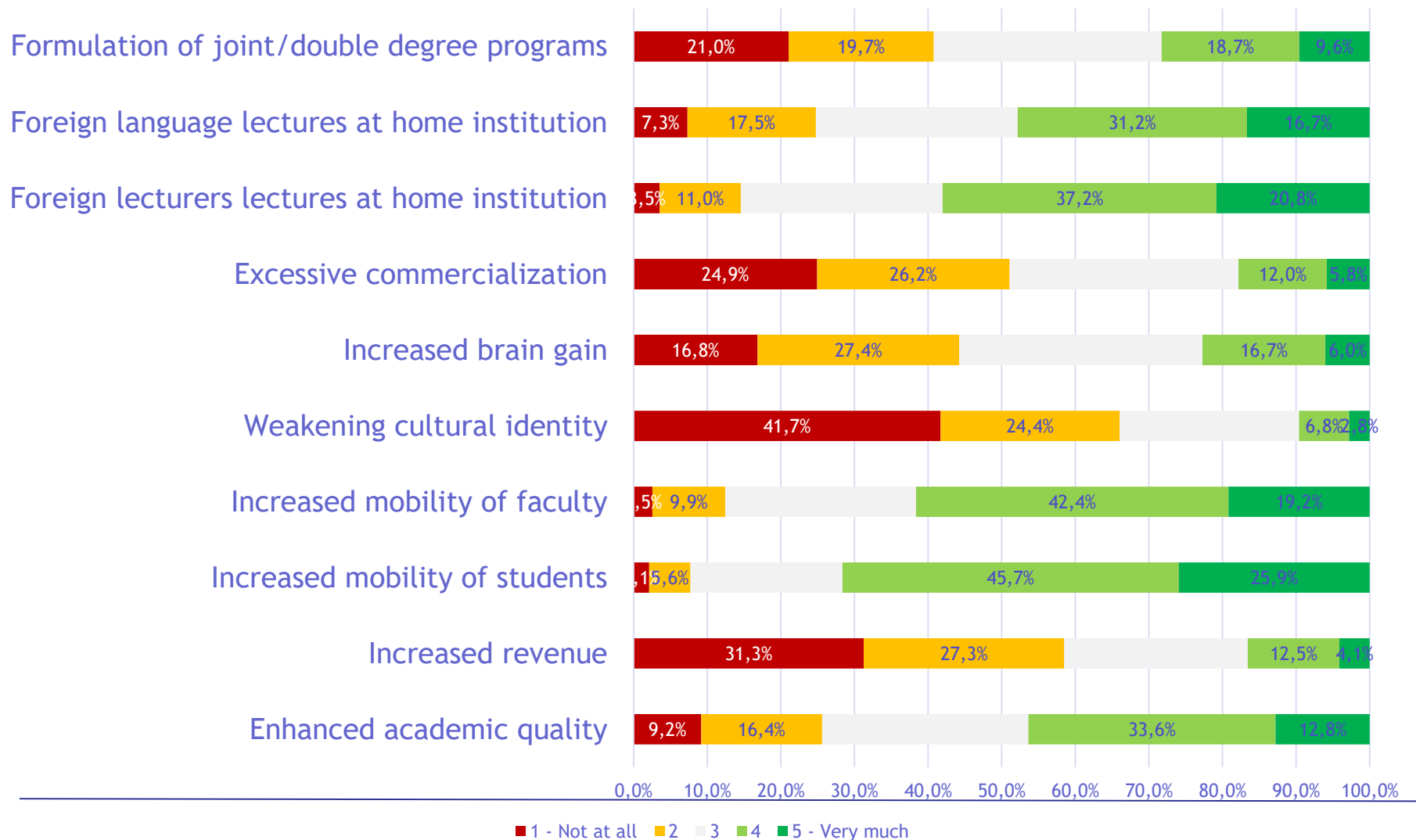


C4: Please indicate your views: comparable answers from 2013 & 2018

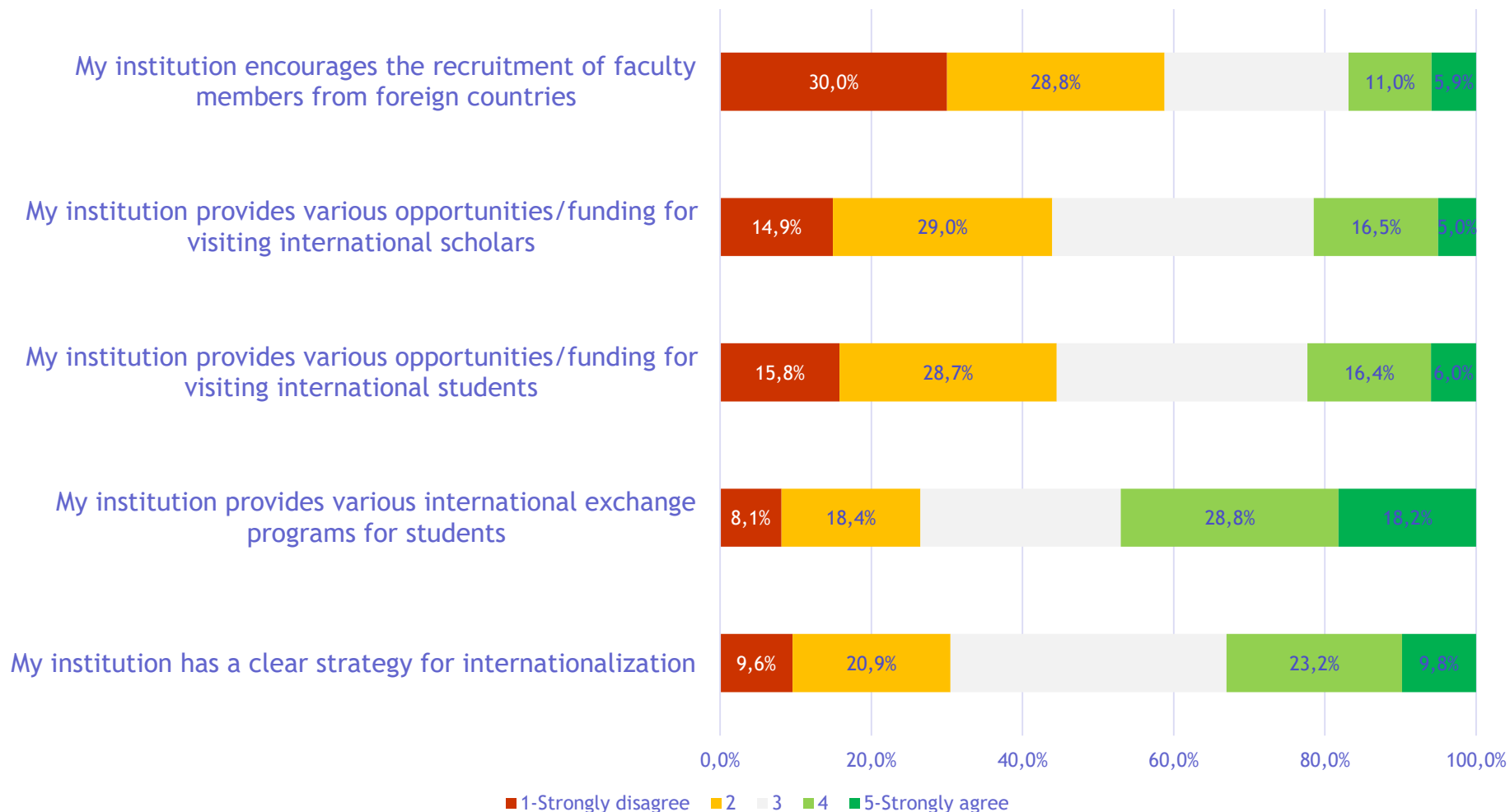


Highlights on internationalisation of teaching

F5 To what extent do you observe the following outcomes of internationalization at your institution?



F6 Please indicate your views on the following:



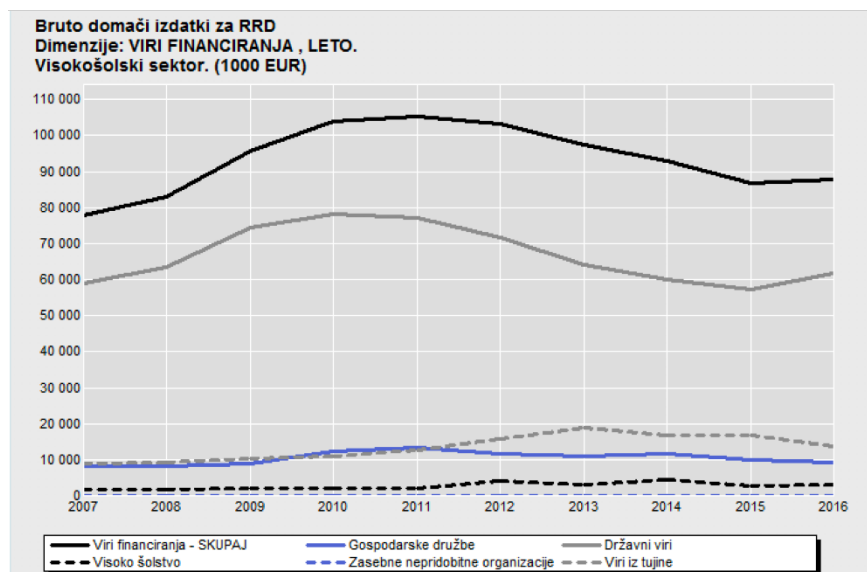
HIGHLIGHTS on research

Main policy developments in research

- Resolution on Research and Innovation Strategy of Slovenia 2011-2020
- Research Infrastructure Roadmap 2011-2020, Revision 2016
- National strategy for open access to scientific publications and research data in Slovenia 2015-2020
- Program by the Ministry for Education, Science and Sport for strengthening research and development in area of science 2016-2020
- Slovenian strategy for strengthening the European Research Area 2016-2020 (ERA Roadmap)
- Strategy for internationalisation of research and science (2018-2030)

Funding of R&D

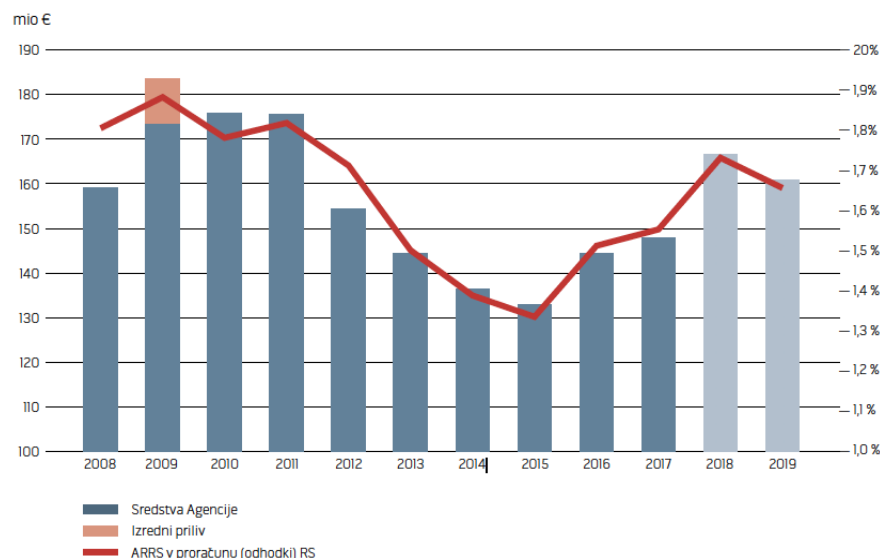
BDP spending for R&D



CMEPIUS

Funds of the Slovenian Research Agency for research funding

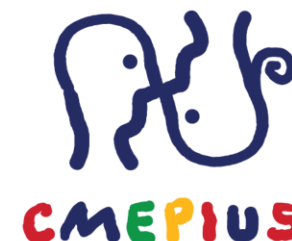
Sredstva Agencije za financiranje znanstvenoraziskovalne dejavnosti in delež teh sredstev v proračunu RS¹



Research pool (SRA Report 2018)

- Number of research organisations: 2011: 221 -> 2017: 169
- Number/FTE of funded researchers in total: 2011: 6879/2434 -> 2017: 5978/1948
- Number/FTE of funded researchers from HEIs: 2011: 3712/1150 -> 3335/876 (less shrinking pool)

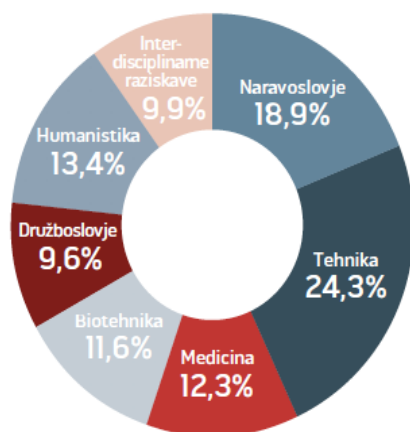
D2 How would you characterize the emphasis of your primary research this (or the previous) academic year?



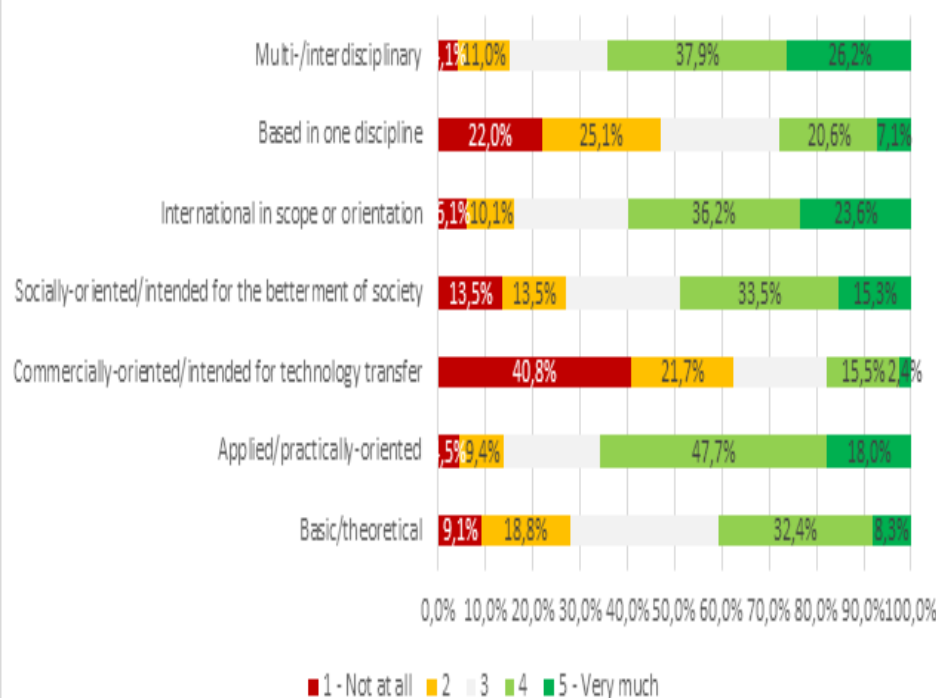
Agencija je v letu 2017 raziskovalne projekte sofinancirala v višini 27,5 milijona evrov. Delež za projekte v celotnem proračunu Agencije je 18,6 % in je za 2,5 odstotne točke manjši kot v letu 2016.

Temeljni raziskovalni projekti: **18,3 mio EUR**
 Aplikativni raziskovalni projekti: **5,5 mio EUR**
 Podoktorski raziskovalni projekti: **2,4 mio EUR**
 Projekti ciljnih raziskovalnih programov: **1,1 mio EUR**
 Spodbujanje zaposlovanj mladih doktorjev znanosti: **239 tisoč EUR**

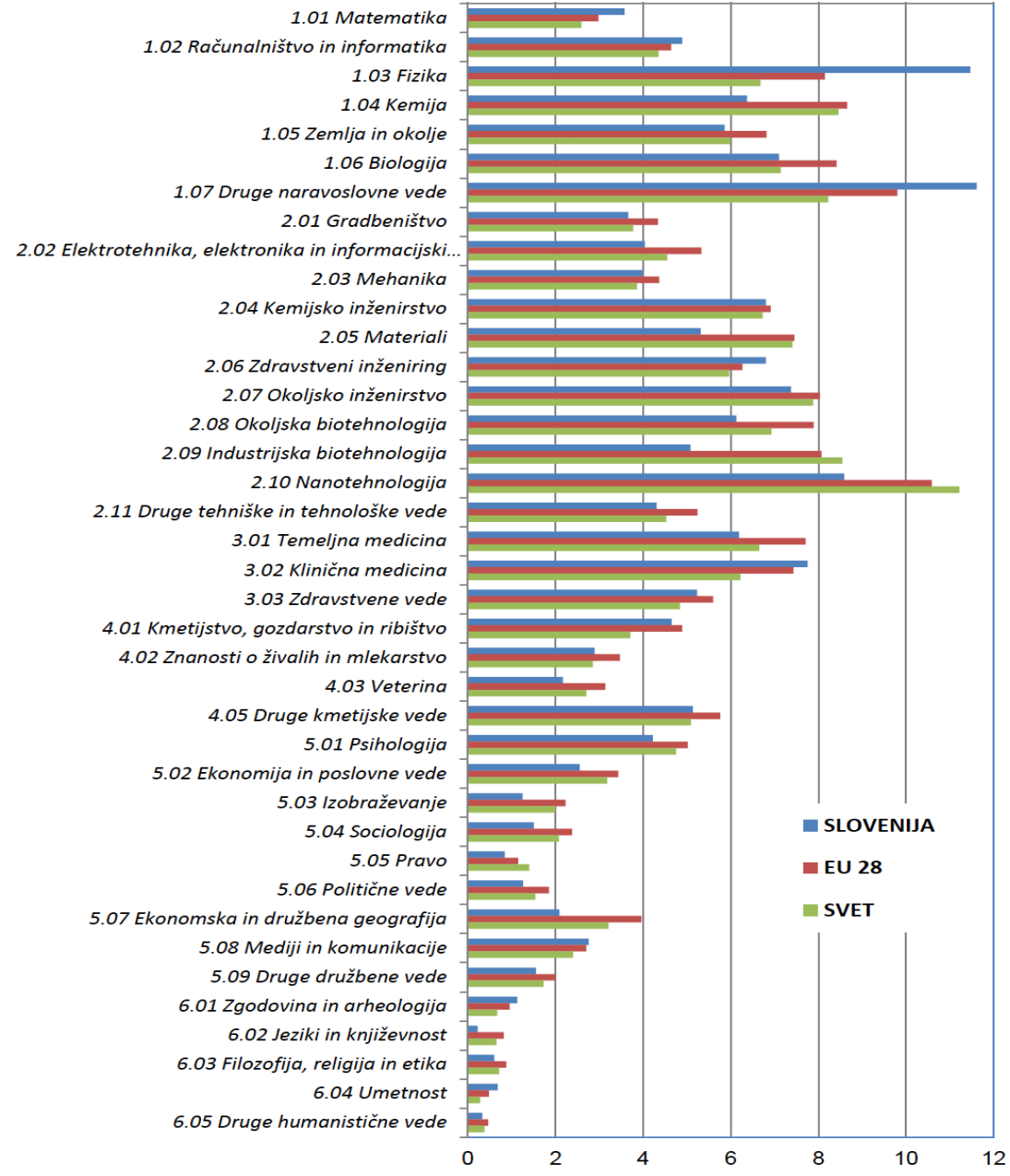
Sredstva po vedah



D2 How would you characterize the emphasis of your primary research this (or the previous) academic year?



Research performance (STA report 2018)

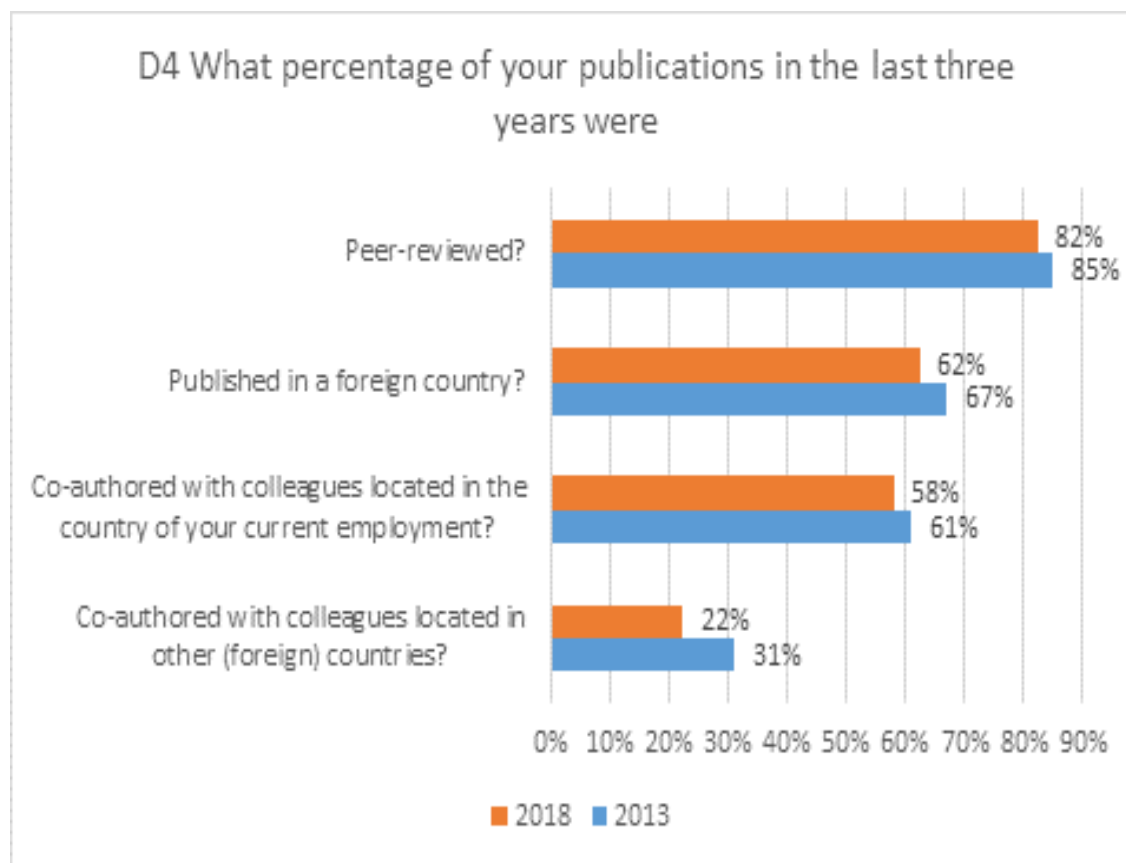


Slika 1: Povprečno število citatov na članek po raziskovalnih področjih, obdobje 2013-2017 (vir: InCites, februar 2018)

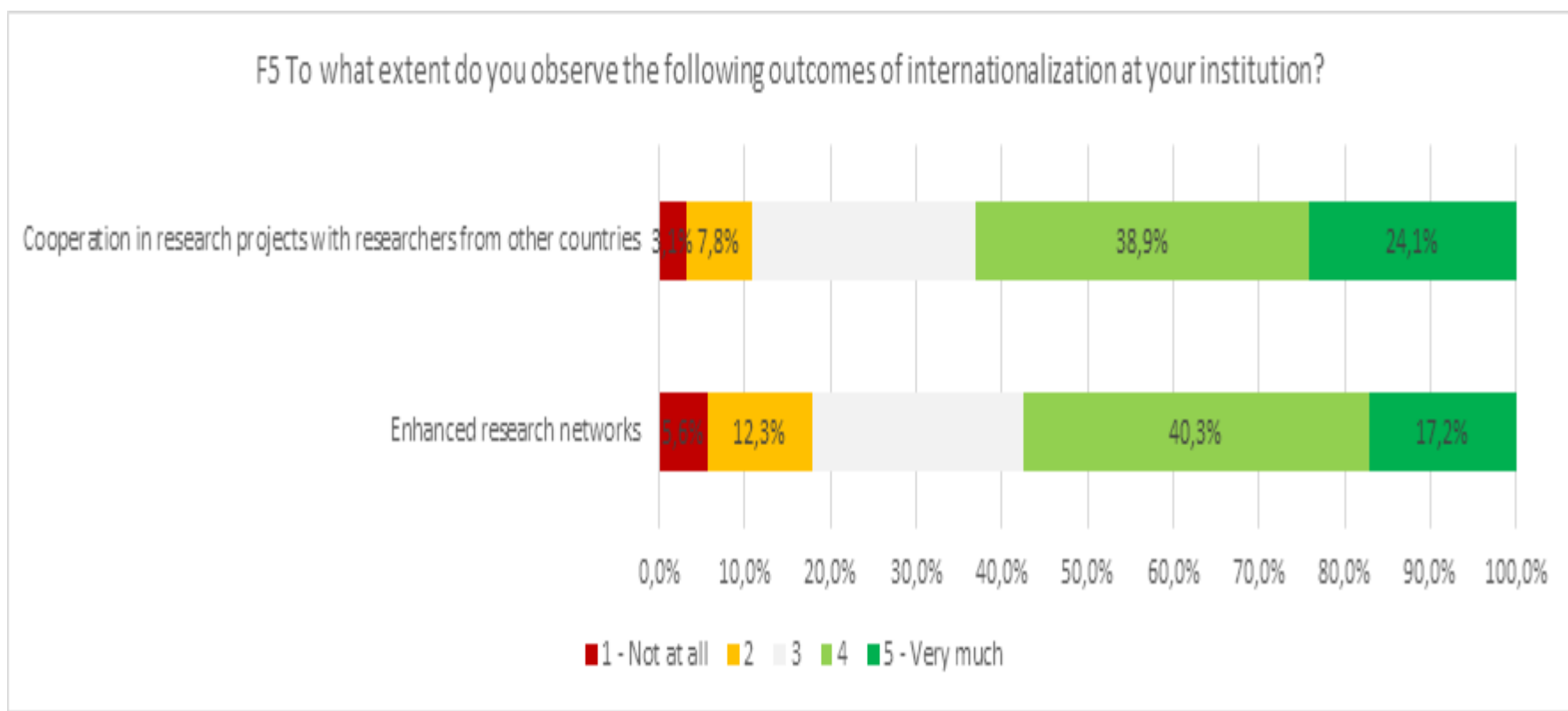
Highlights on internationalisation of research

Internationalisation of research

- **Share of articles published in co-authorship with researchers abroad (InCites 2018, SRA 2018)**
 - 2003-2007 40,8%;
2013-2017 58,8%

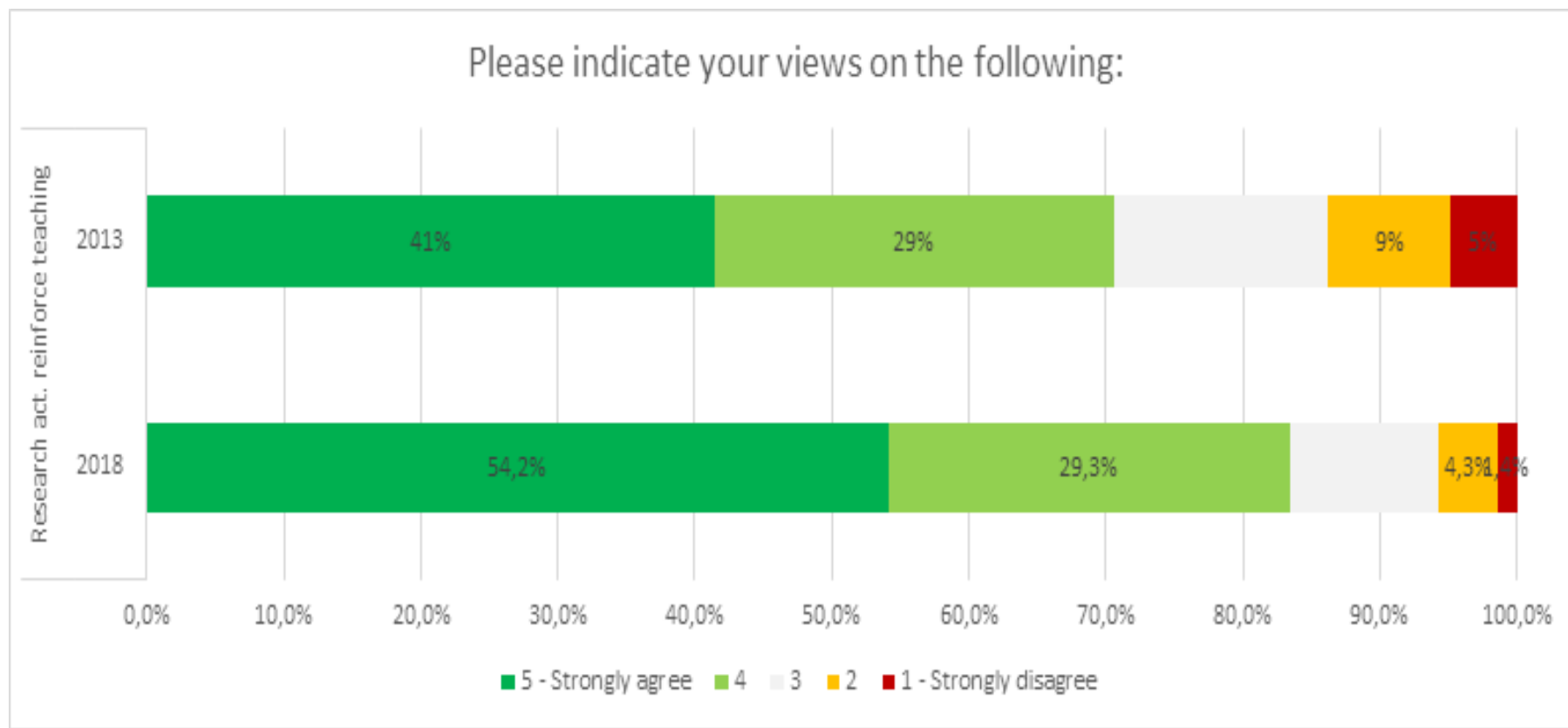


Perceived internationalisation effects on research cooperation

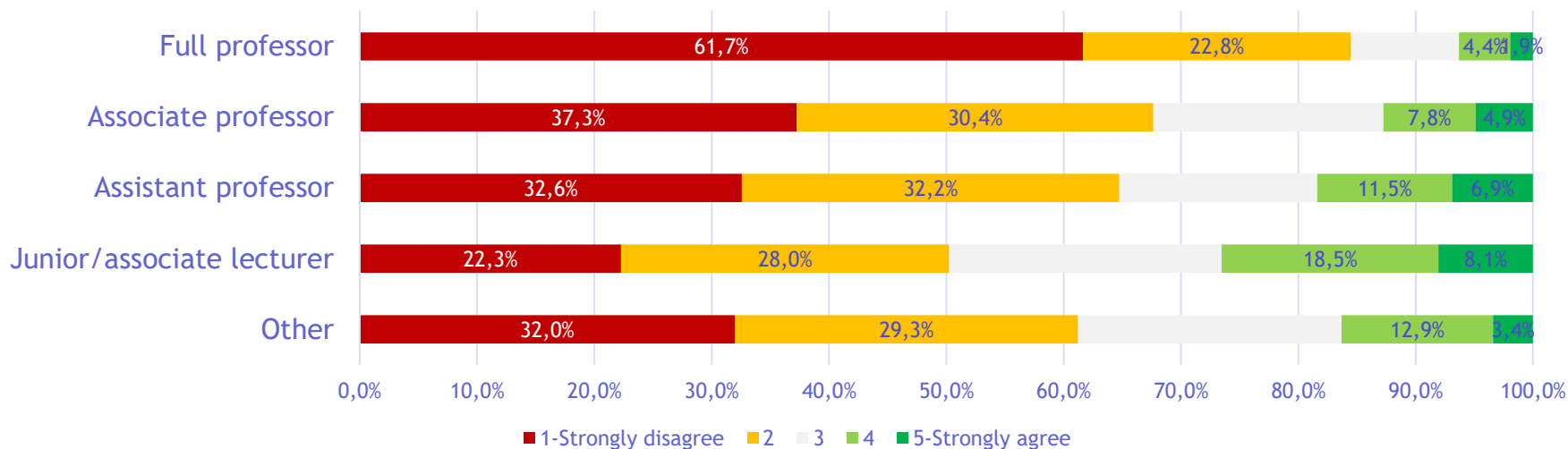


Highlights on RESEARCH-TEACHING NEXUS

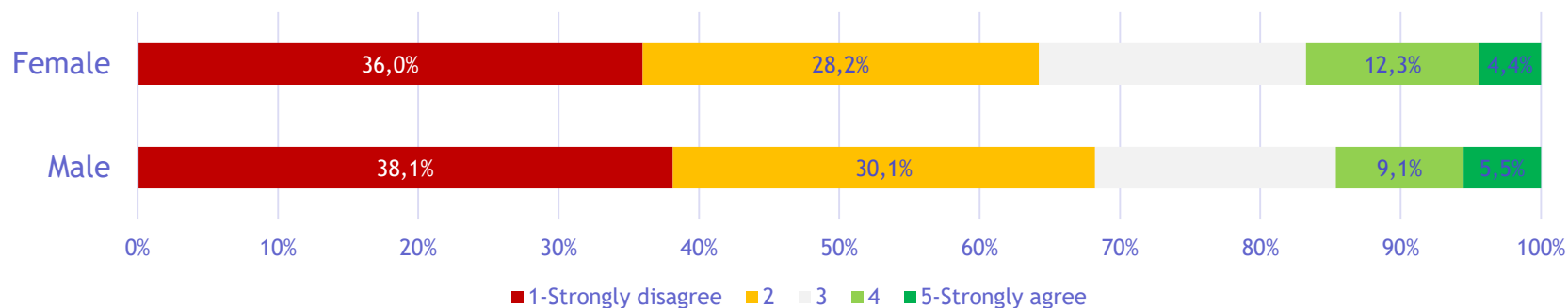
Research reinforces teaching



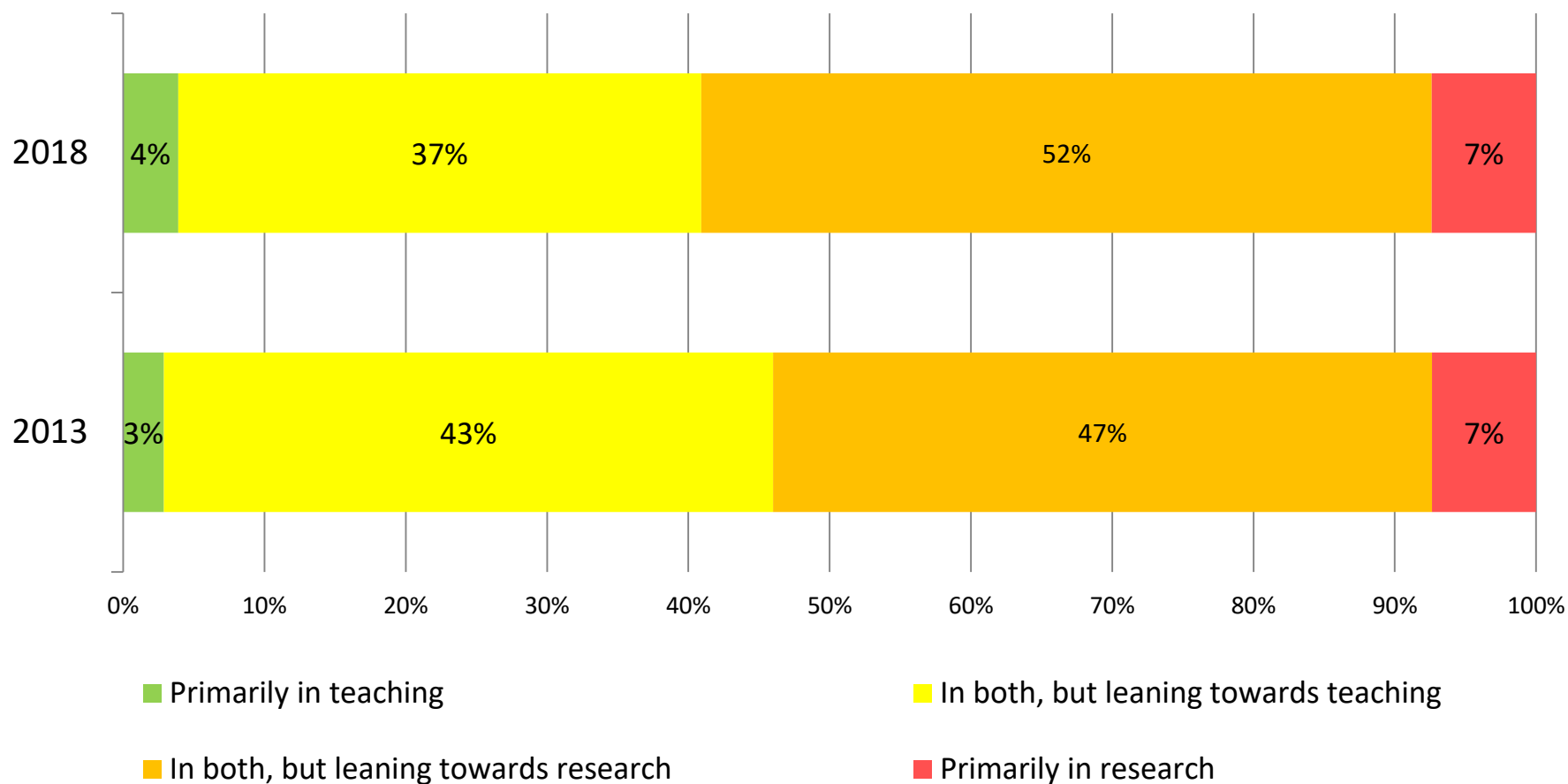
B4_4 Teaching and research are hardly compatible with each other (by rank)



B4_4 Teaching and research are hardly compatible with each other (by gender)



Interest in teaching and/or research in regards to personal preferences



Questions & contacts

alenska.flander@cmepius.si

manjaklemencic@fas.harvard.edu

sebastian.kocar@anu.edu.au