

Interdisciplinary research in the European Cooperation in Science and Technology – advantage or disadvantage?

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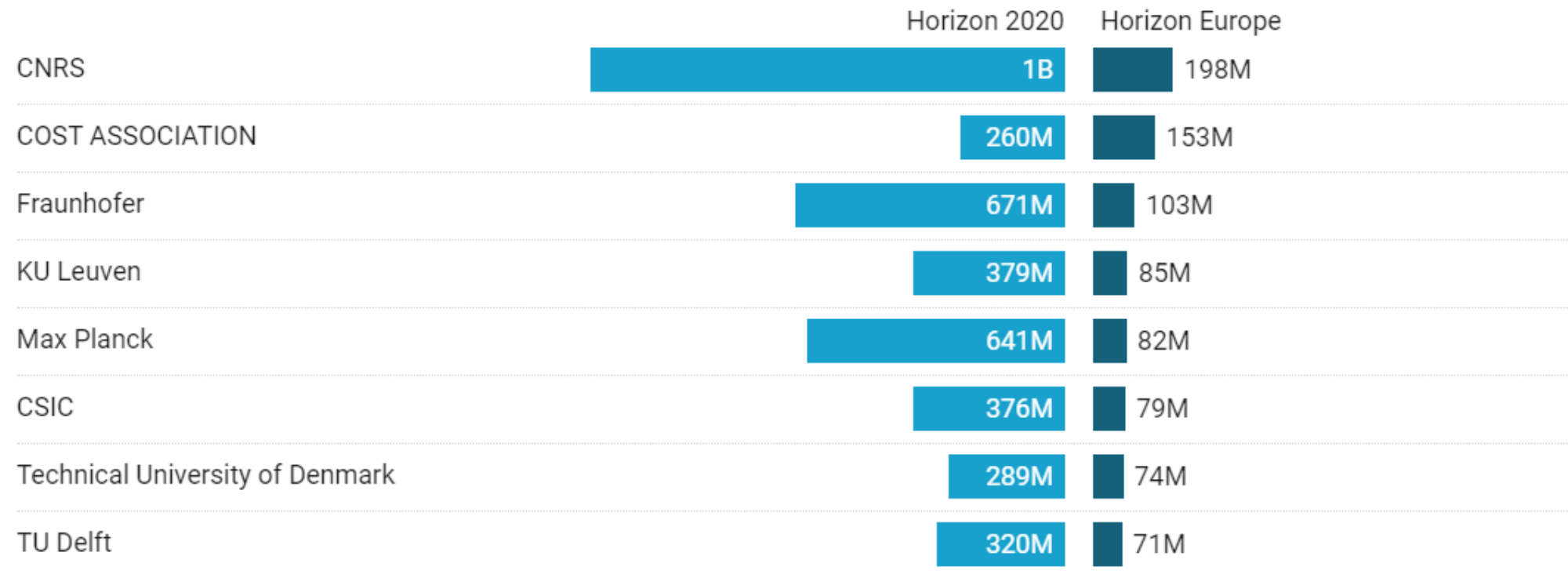
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Top winners in the first two years of Horizon Europe – compared with seven years of H2020

Top winners in the first two years of Horizon Europe – compared with seven years of Horizon 2020

How much each institution has received from EU research frameworks, in euros



OC 2022-1 timeline

RP Members

MC Nominations

Submission

**Evaluation
(+Review)**

Selection

**Approval
(+MoU
publication)**

Start Phase

374
proposals

346
evaluated

325 app
21 nap

63 Green zone
55 Ex Grey Zone

70 Actions

858
iEEs

46
RPMs

20.10.2022
Collection Date

Remote revision

07-09.03.2023
RP Meetings

03-04 .05.2023
SC Meeting

16.05.2023
Proposers informed
CNC informed

09.06.2023
MoU Publication

The 70 new Actions in figures

19% of main proposers are young researchers

47% of main proposers are women

66% of the proposals feature participants from industry/SMEs

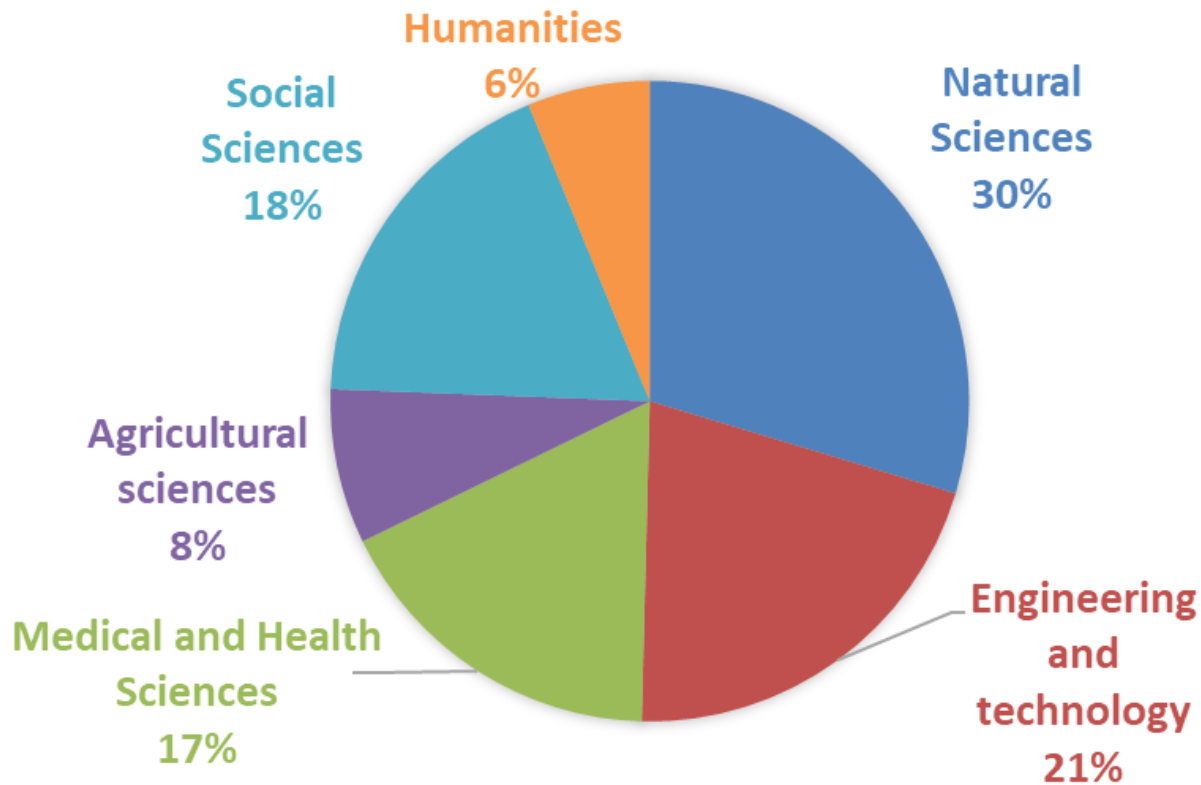
26% of main proposers come from an Inclusiveness Target Country (ITC)

*As an indicator of **multidisciplinarity** of the new Actions, 54% of all Actions cover at least two OECD (Organisation for Economic Co-operation and Development) fields of science and technology, while 11% cover at least three fields.*

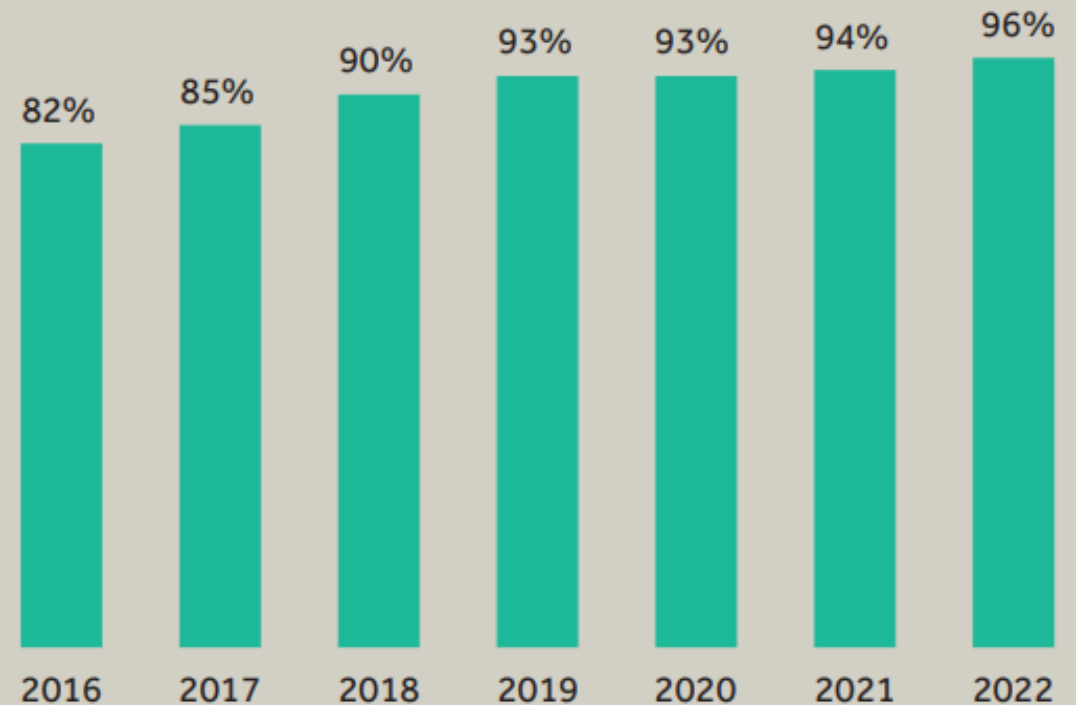
Natural Sciences lead the way as the most represented field of science (represented in 49% of the Actions), followed by Social Sciences (27%), Engineering and Technology (27%), Agricultural Sciences (26%), Medical and Health Sciences (20%), and Humanities (19%)

Success rate: 18.7%.

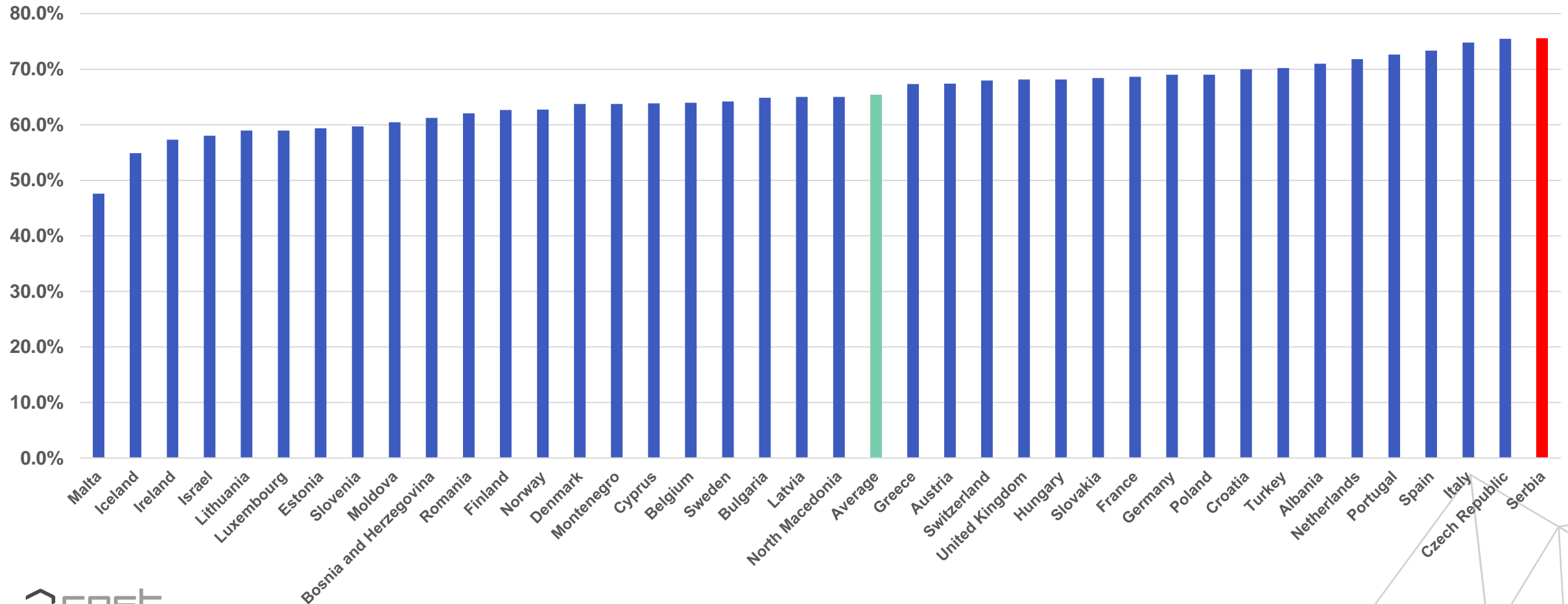
SERBIAN PARTICIPATION OC-2015-2021



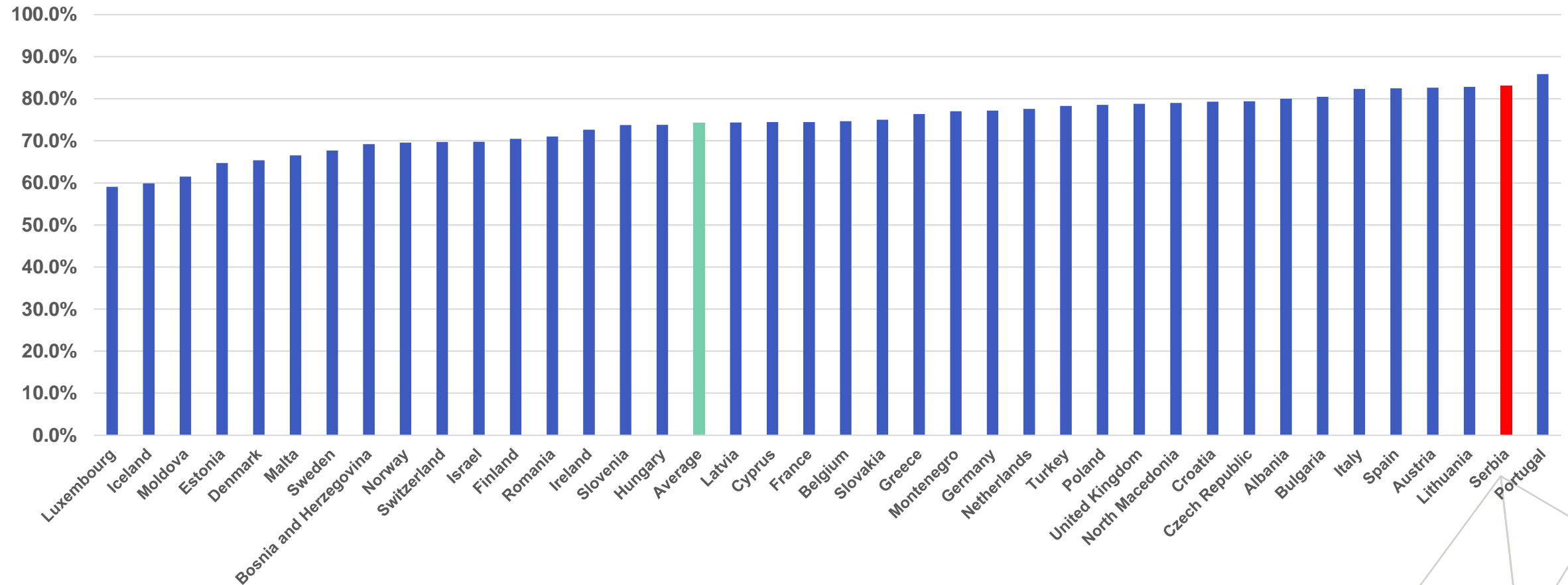
COUNTRY REPRESENTATION IN COST ACTIONS



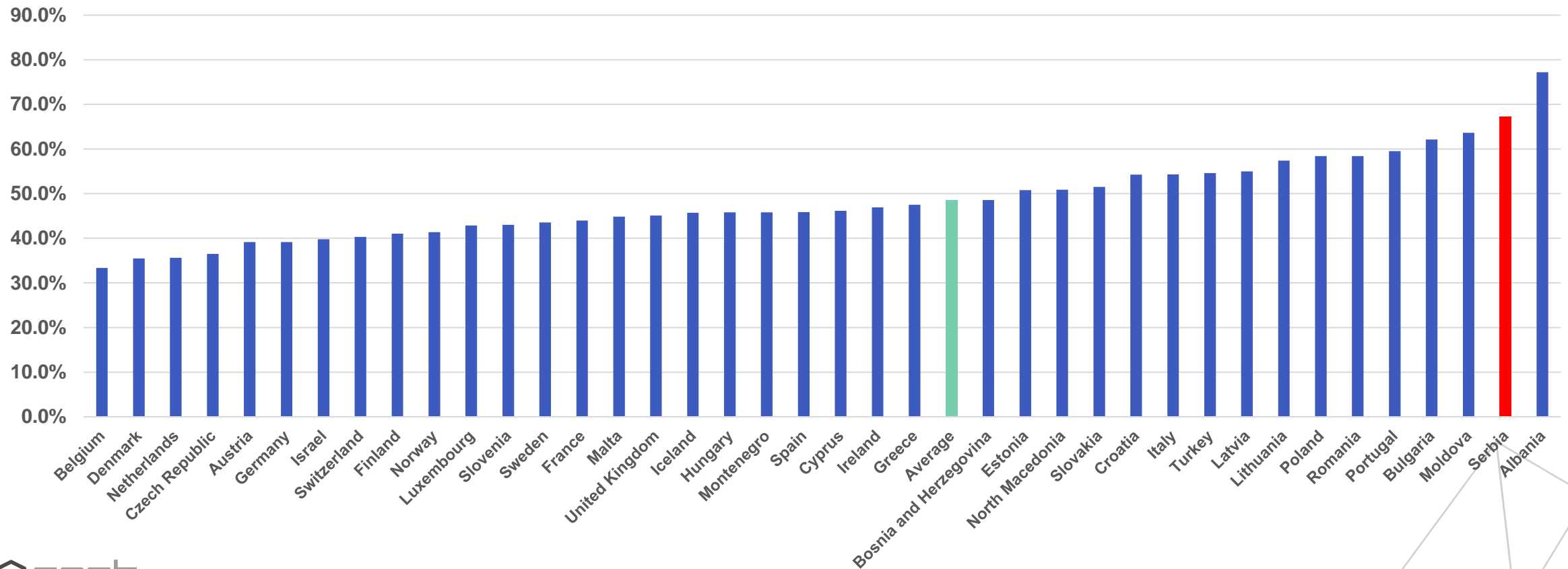
Average response rate to meeting invitations by MC members



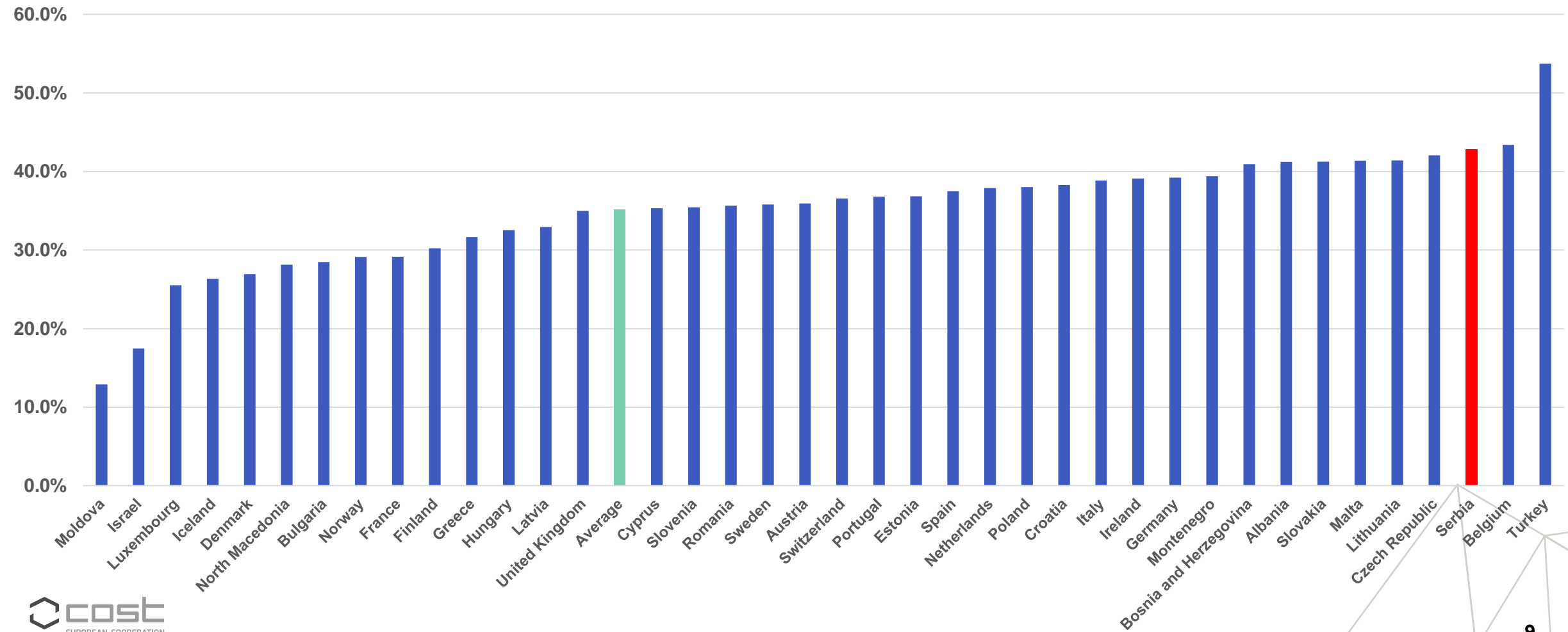
Percentage of MC Members having attended at least one MC meeting



Percentage of women among MC members



Mobilisation of young researchers in Actions



Proximity is important to **establish** a collaboration

Yet: Once established, scientists manage to **continue** collaborating from long distance and for a long time (!)

→ Participation in **COST Actions create proximity**

→ What impact on the collaboration between (active) members?

- 1) The impact of COST Actions on scientific collaboration
- 2) Are interdisciplinary proposals disadvantaged in COST?

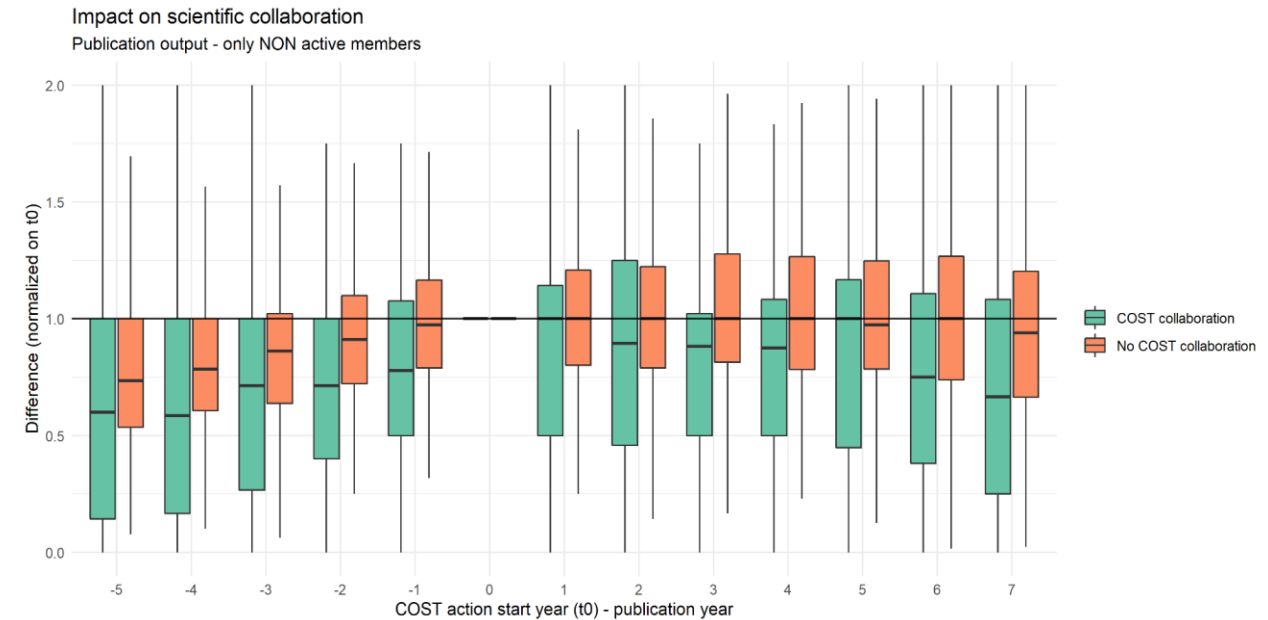
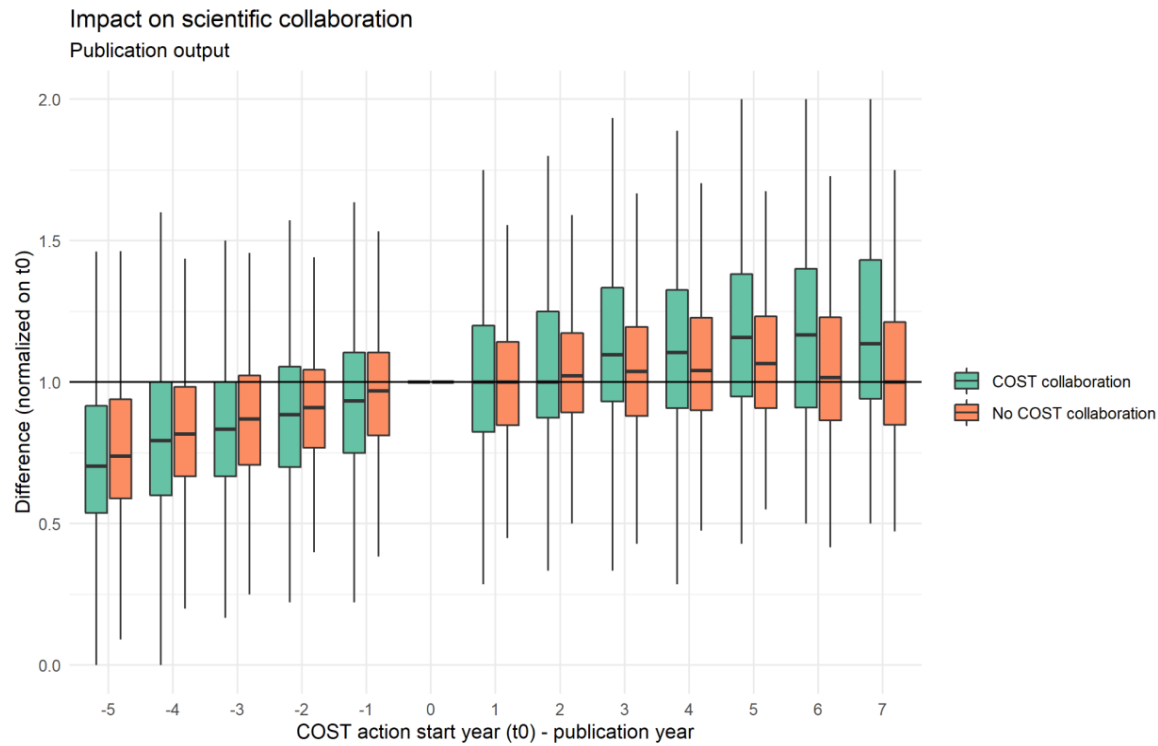
DATA

- 385 Actions (starting 2011-2016, ending by 2020) + 67 proposal not funded (control)
- 27,210 participants (20,854 - 77% active members)
- 746,763 + 161.117 publications of the Action members from 2008 until 2020

Collaboration with other COST members vs. Other collaborations

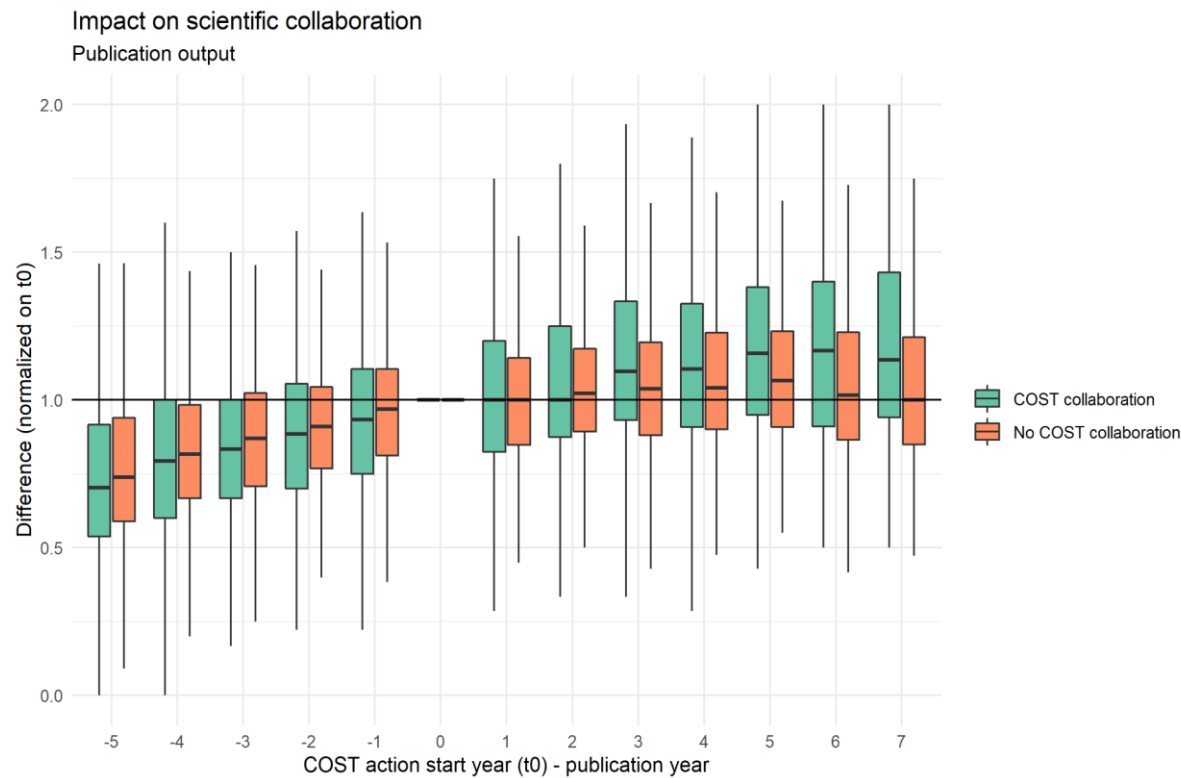
Active members

NON- Active members

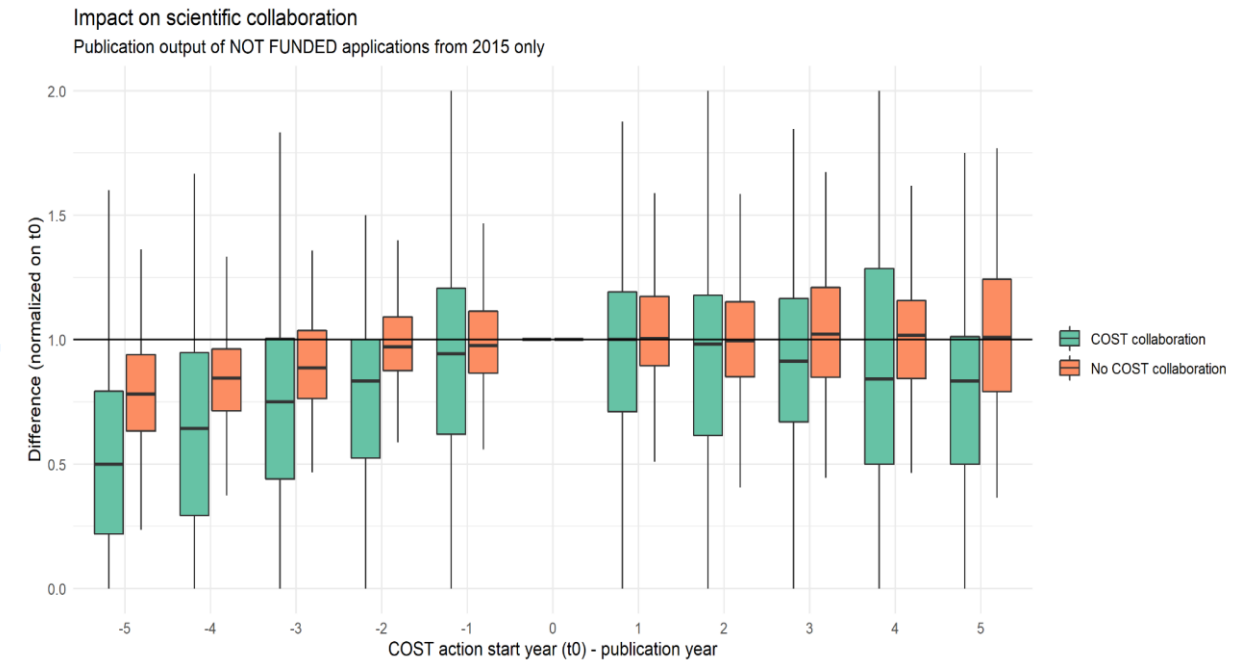


Collaboration with other COST members vs. Other collaborations

Active members

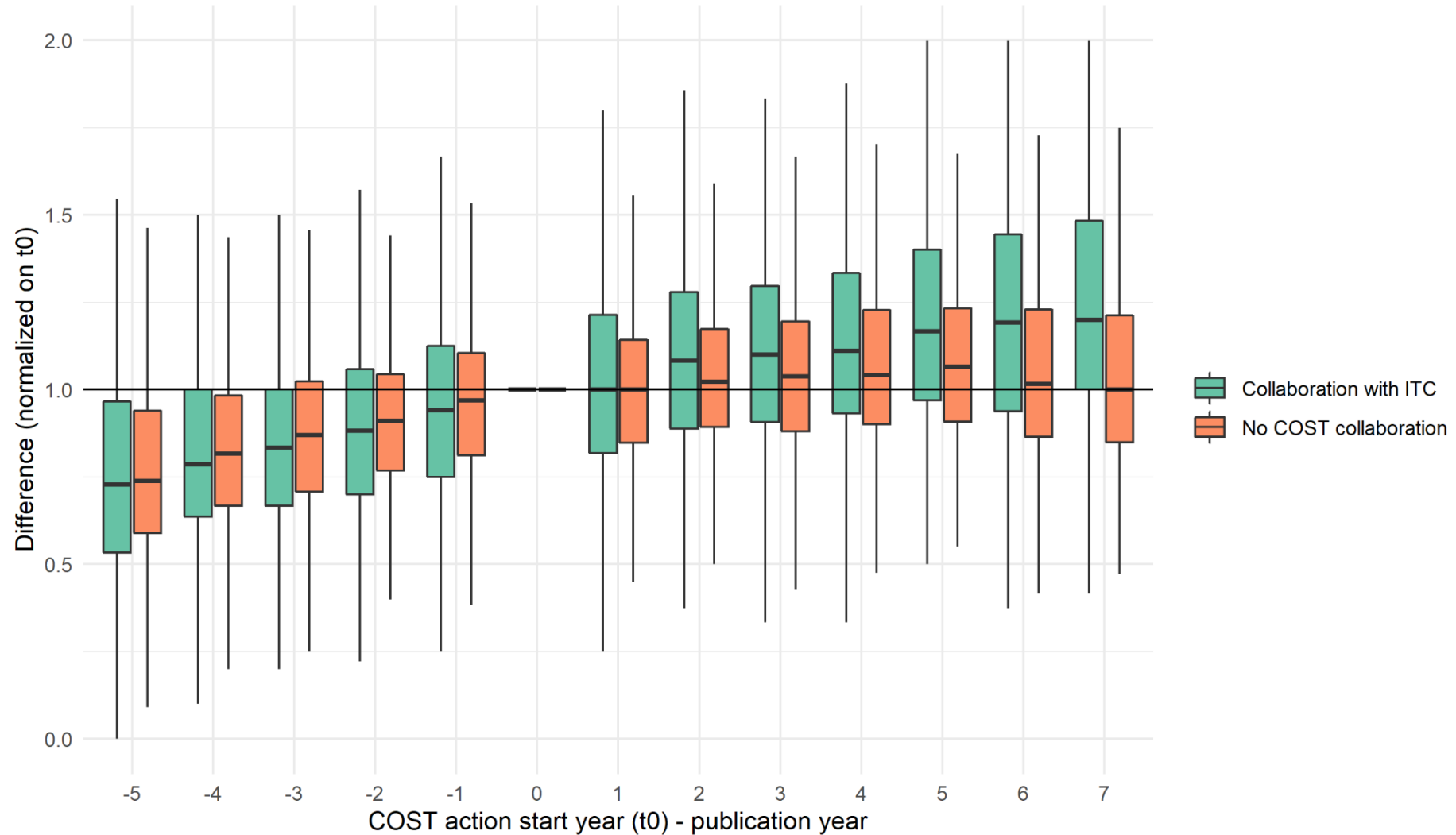


NOT FUNDED ACTIONS



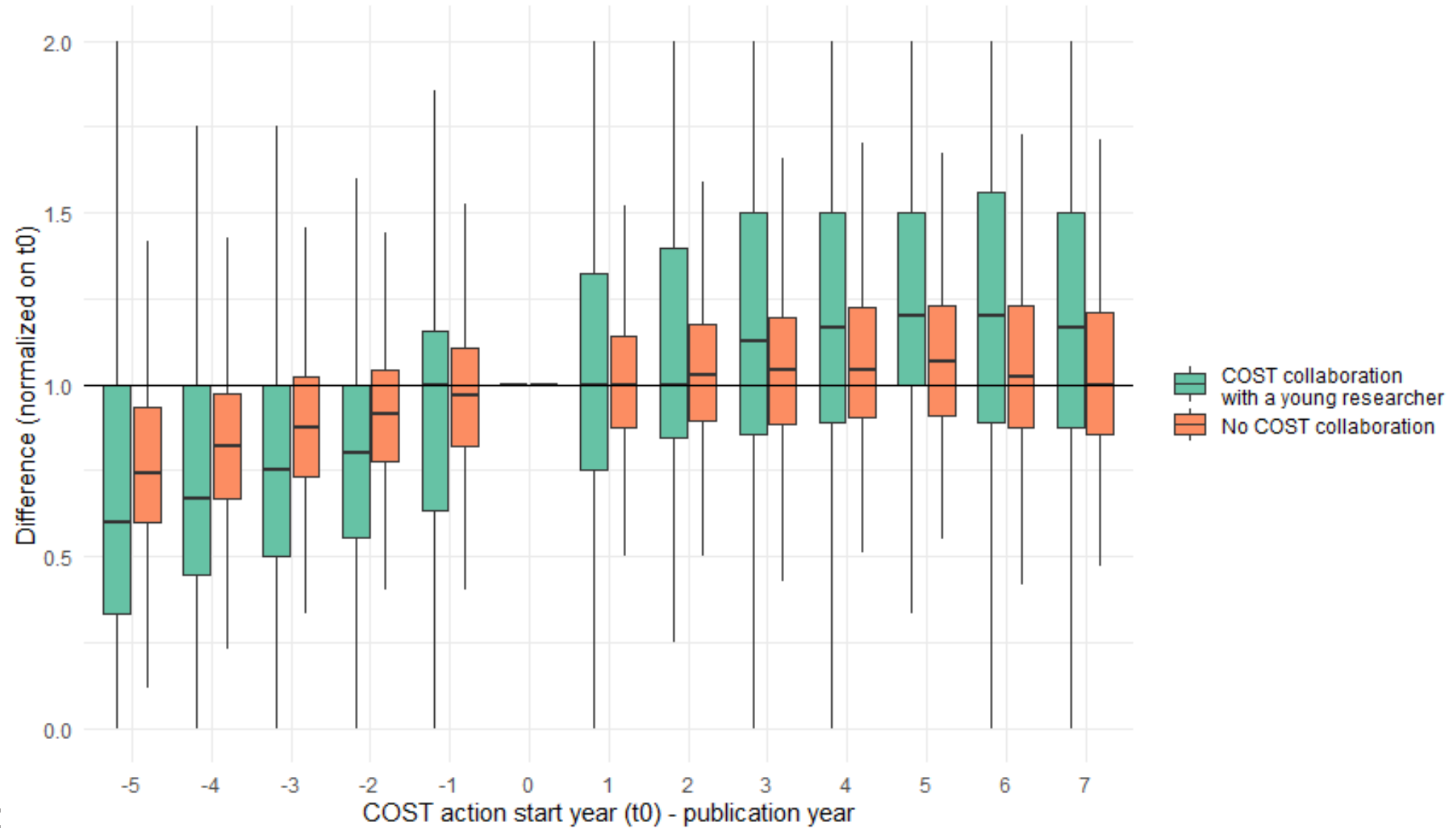
Integration of action members from Inclusive Target Countries (ITC)

Publication output



Impact on integration of young researchers

Publication output



Positive effect on productivity!
 Which does not come at the expenses of non collaborative publications

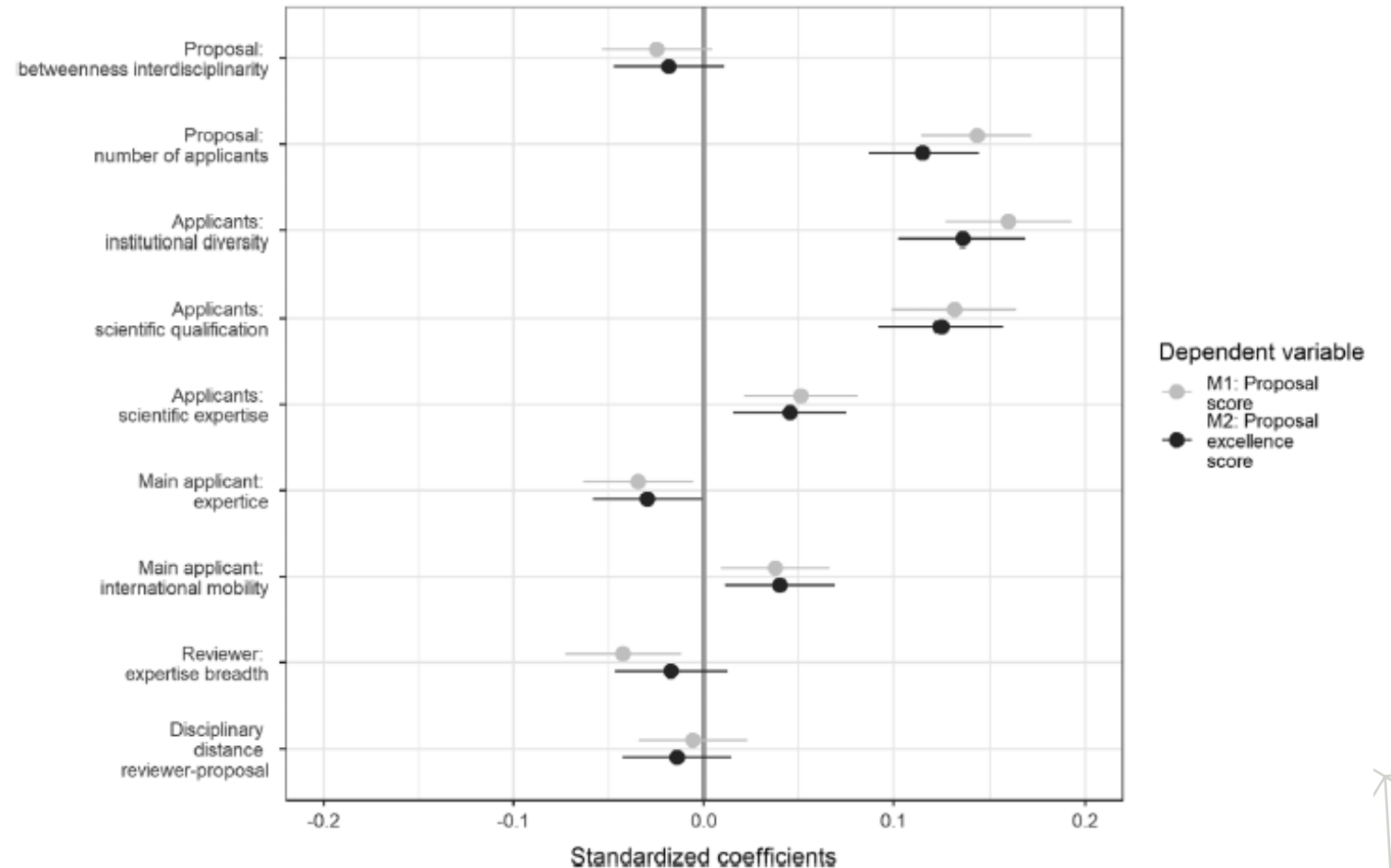
publication year from start Action >		0	1	2	3	4	5	6	7
collaborative publications	active	0,0%	0,0%	0,0%	9,8%	10,5%	15,8%	16,7%	13,6%
	non-active	0,0%	0,0%	-10,6%	-11,8%	-12,5%	0,0%	-25,0%	-33,3%
	not funded*	0,0%	0	-1,8%	-8,7%	-15,8%	-16,7%	n.a.	n.a.
non-collaborative publications	active	0,0%	0,0%	2,2%	3,9%	4,1%	6,6%	1,6%	0,0%
	non-active	0,0%	0,0%	0,0%	0,0%	0,0%	-2,7%	0,0%	-6,1%
	not funded*	0,0%	0,5%	-0,3%	2,3%	1,8%	0,9%	n.a.	n.a.

*Actions submitted in 2015

COST unique approach: a **panel free** system

In COST, the degree of interdisciplinarity of a proposal does not affect the evaluation score

Predictors of proposal score

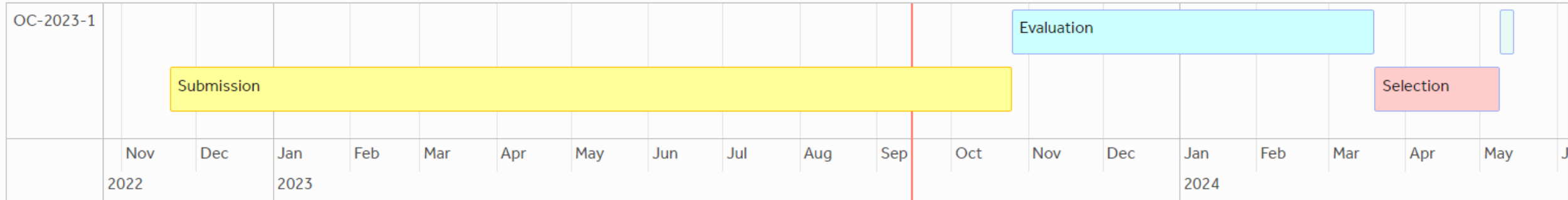


Open Call 2023 – October 25 2023

Open Call / Calendar

Overview

🔍 🔍 ↔



- Submission
- Evaluation
- Selection
- Approval



The screenshot shows the website of the Institute of Physics (IPB) at the University of Belgrade. The header includes the IPB logo, the text "УНИВЕРЗИТЕТ У БЕОГРАДУ | ИНСТИТУТ ЗА ФИЗИКУ | БЕОГРАД", and "ИНСТИТУТ ОД НАЦИОНАЛНОГ ЗНАЧАЈА ЗА РЕПУБЛИКУ СРБИЈУ". There is also a COST logo and the Serbian flag. The navigation bar contains links: "Почетна", "О COST-У", "Национална Процедура", "Новости", "ОС-2022", and "МС Регистрација". A main banner features the Serbian coat of arms and the text "Министарство науке, технолошког развоја и иновација". Below the banner, there is a section titled "Упутство за пријаву, номиновање и учешће у COST акцијама истраживачких тимова, група и појединаца из Србије".

<http://mail.ipb.ac.rs/~ncc-serbia/index.php>