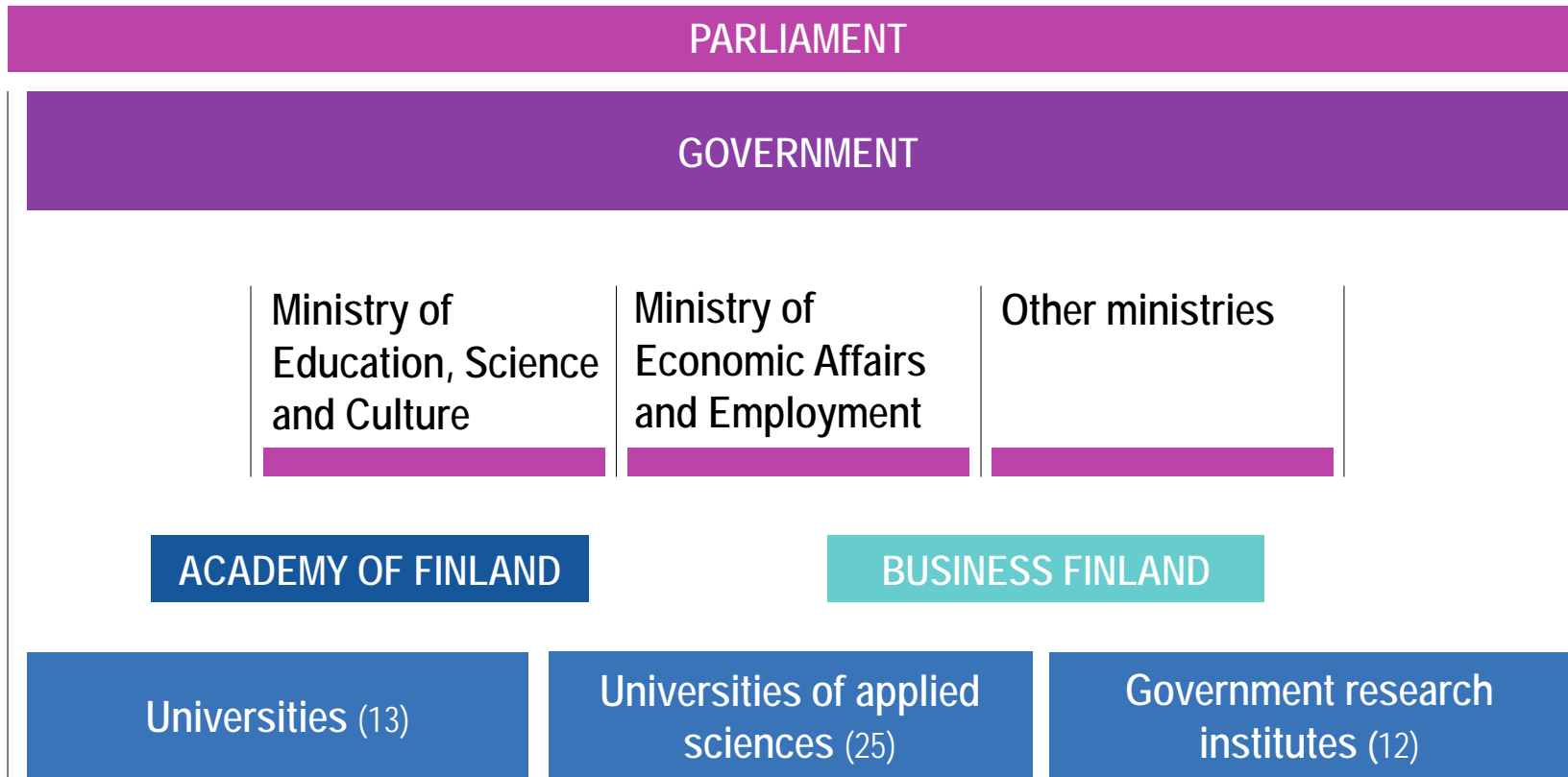




Research & development in Finland

Public research funding in Finland



In addition: National Defence University, as part of the Finnish defence administration.

R&D in Finland

R&D spending
€6.2bn

Higher education **26%**

Public sector **9%***

Business sector **65%**



1,750
Doctoral
degrees



49,000
FTEs in research



Higher education **33%**

Public sector **10%***

Business sector **57%**

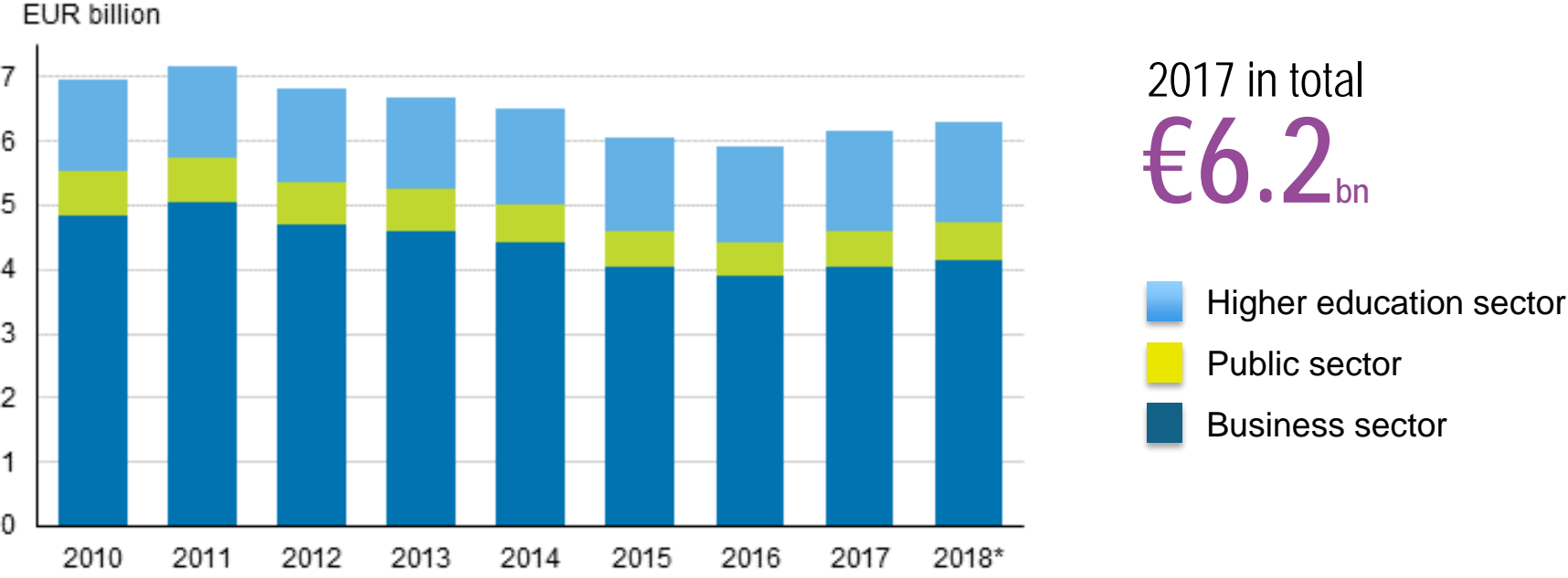
14,900
Master's degrees

Data from statistical year
2017.

* Includes private, non-profit
activities.

Source: Statistics Finland,
[Education Administration's
reporting portal Vipunen](#)

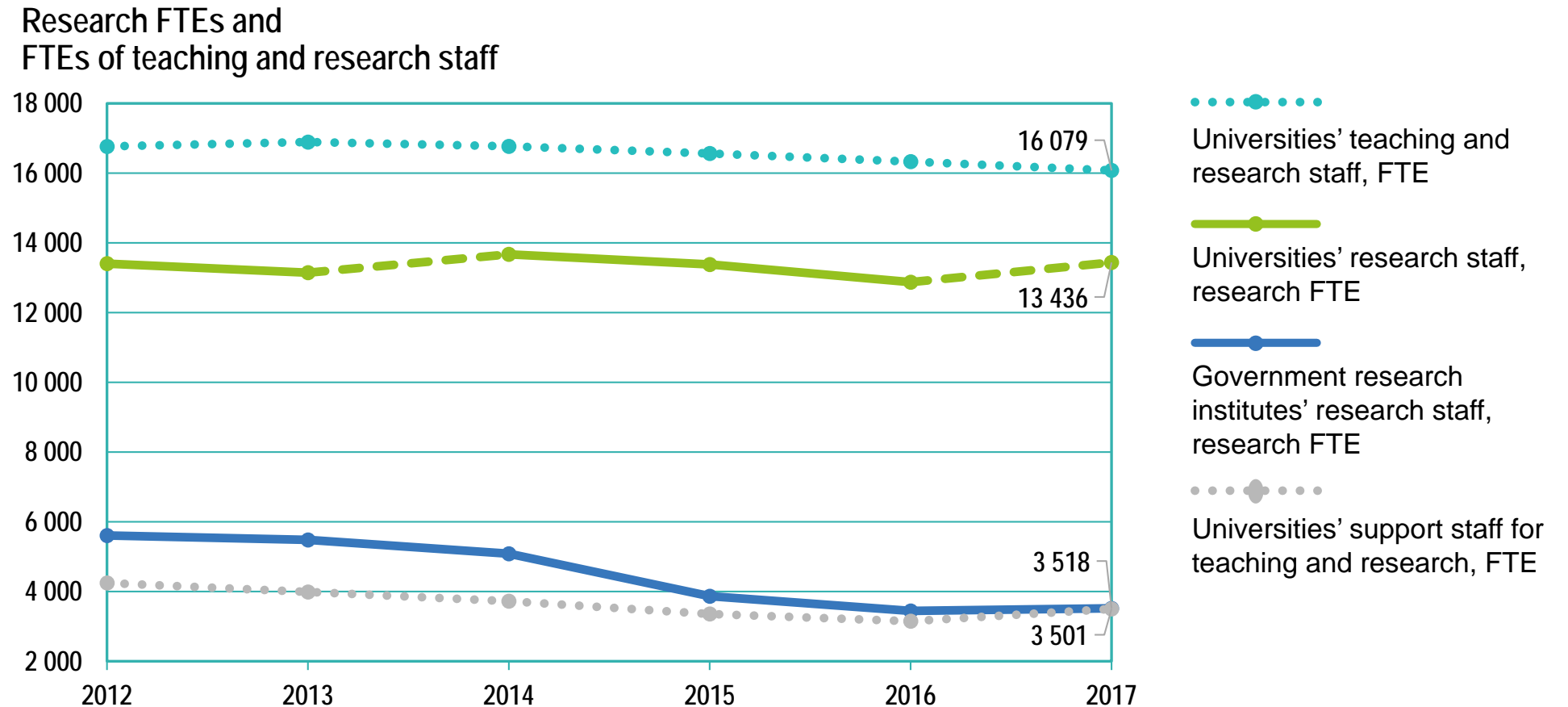
R&D expenditure in Finland 2010–2018*, by sector



* Preliminary data

Source: Statistics Finland, 2018

Research FTEs in universities and in government research institutes 2012–2017



Research FTE: The amount of R&D work in full-time equivalents.

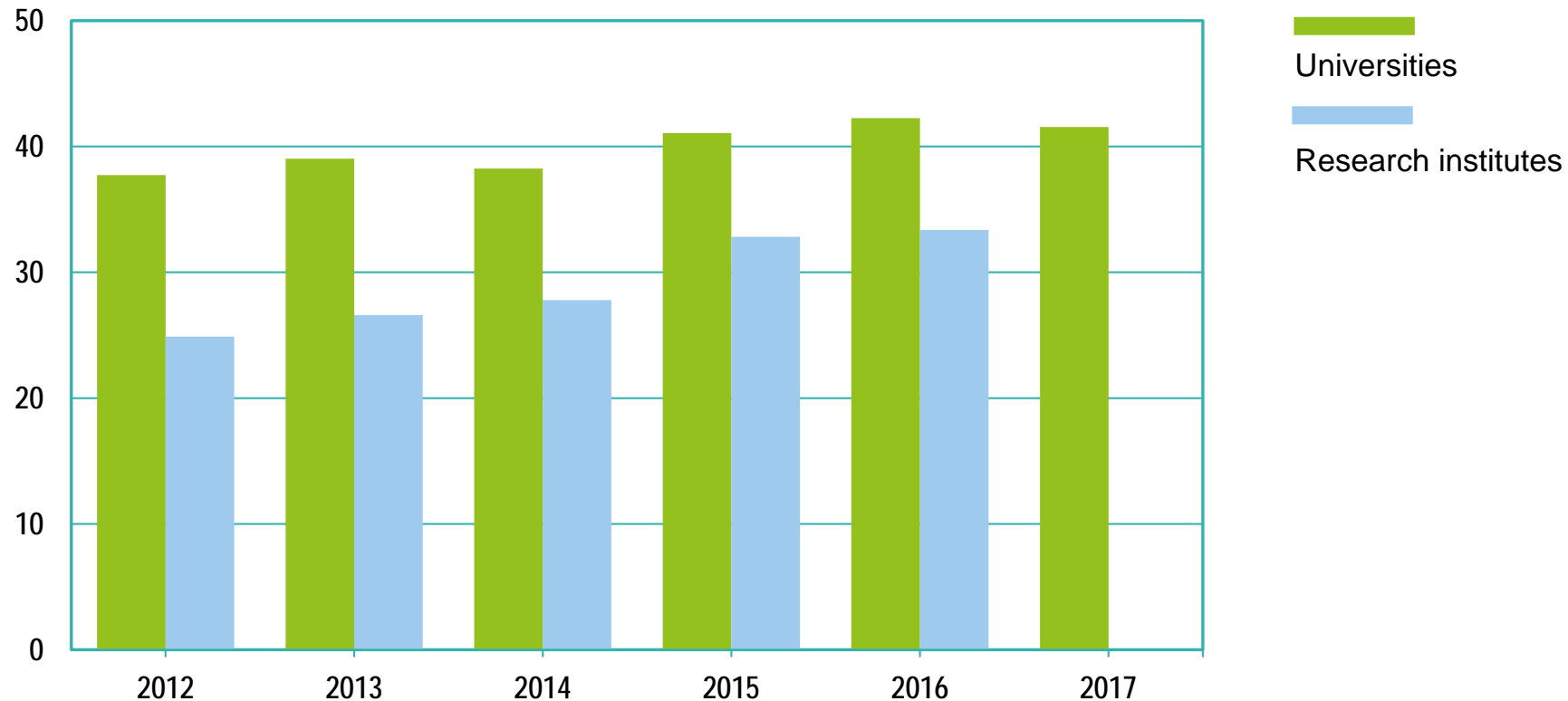
FTEs of teaching and research staff: Number of teaching and research staff in full-time equivalents.

Data for government research institutes include 17 organisations in 2012 and 2013, 16 in 2014 and 12 organisations since 2015.

Sources: Statistics Finland, Research and development; Vipunen - Education Statistics Finland.

FTE by doctors in universities and government research institutes 2012–2017

FTE by doctors, %



FTE data for doctors in 2017 was not available when the review was written.

Sources: Statistics Finland, Research and development; Statistics Finland, Research and development 2017 (electronic publication); Vipunen - Education Statistics Finland, Higher Education and R&D, Research and development (Statistics Finland's data); Vipunen - Education Statistics Finland, University Education, Staff (data collection by the Ministry of Education and Culture).

Scientific impact of Finnish publications rose in the 2010s

Country	Top 10 index				Number of publ. (fractional)
	1992–1995	2002–2005	2007–2010	2012–2015	2012–2015
Switzerland	1.25	1.1	1.50	1.51	76,006
USA	1.43	1.39	1.46	1.43	1,463,187
Netherlands	1.23	1.33	1.44	1.43	112,151
United Kingdom	1.03	1.19	1.31	1.40	351,223
Denmark	1.16	1.34	1.38	1.36	47,324
Luxemburg	0.32	0.82	1.18	1.32	2,699
Australia	0.96	1.05	1.18	1.28	182,852
Belgium	0.95	1.08	1.21	1.26	59,993
Canada	1.09	1.15	1.23	1.24	214,929
Sweden	1.16	1.11	1.18	1.23	73,337
Ireland	0.75	0.95	1.13	1.22	24,273
Finland	1.03	1.01	1.02	1.12	38,019
Germany	0.82	0.97	1.03	1.08	346,824
Norway	0.94	1.10	1.14	1.07	36,131
Austria	0.75	0.94	1.02	1.05	42,541
Israel	0.91	1.01	1.05	1.05	43,920
New Zealand	0.93	0.90	1.02	1.05	27,585
France	0.82	0.94	1.00	1.03	237,506

The Top 10 Index shows the proportion of publications that belong to the 10% of the most cited scientific publications. The world average is 1.

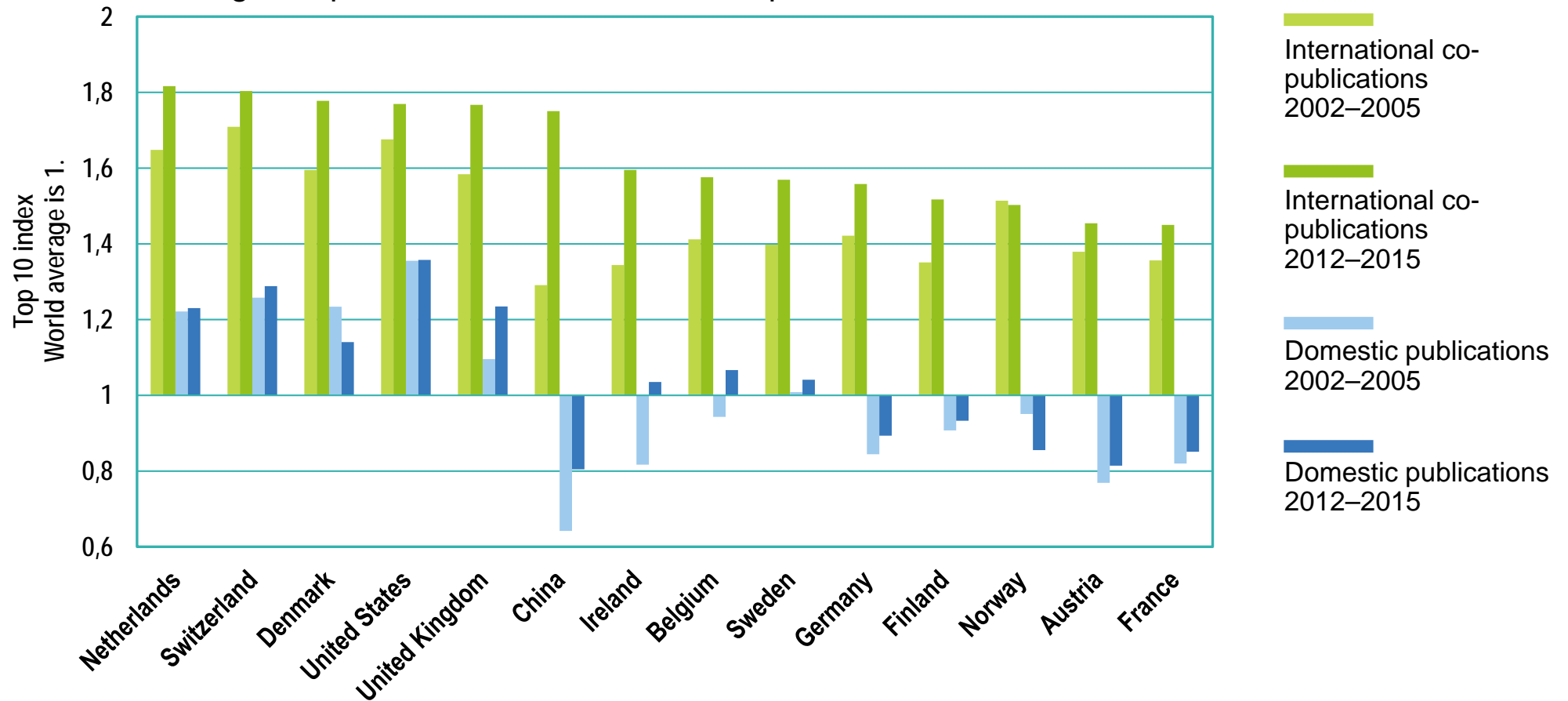
Bibliometric results presented here are derived from the Web of Science® prepared by CLARIVATE ANALYTICS®, Inc. (Formerly the IP & Science business of Thomson Reuters®), Philadelphia, Pennsylvania, USA: © Copyright CLARIVATE ANALYTICS® 2018. All rights reserved.

Results are taken with permission from the bibliometric analysis system provided by CSC - IT Center for Science Ltd., Espoo, Finland.

Source: Clarivate Analytics Web-of-Science-based data, bibliometric computing by CSC Ltd, 2018.

Scientific impact of publications in Finland and in countries of comparison by type of publishing 2002–2005 and 2012–2015

Countries are listed according to Top 10 index of international co-publications in 2012-2015.



Source: Clarivate Analytics Web-of-Science-based data, bibliometric computing by CSC Ltd, 2018.

Thank you!