Improving quality of education – Human capital development in Emerging Asia

7TH OECD-AMRO-ADB/ADBI-ERIA ASIAN REGIONAL ROUNDTABLE

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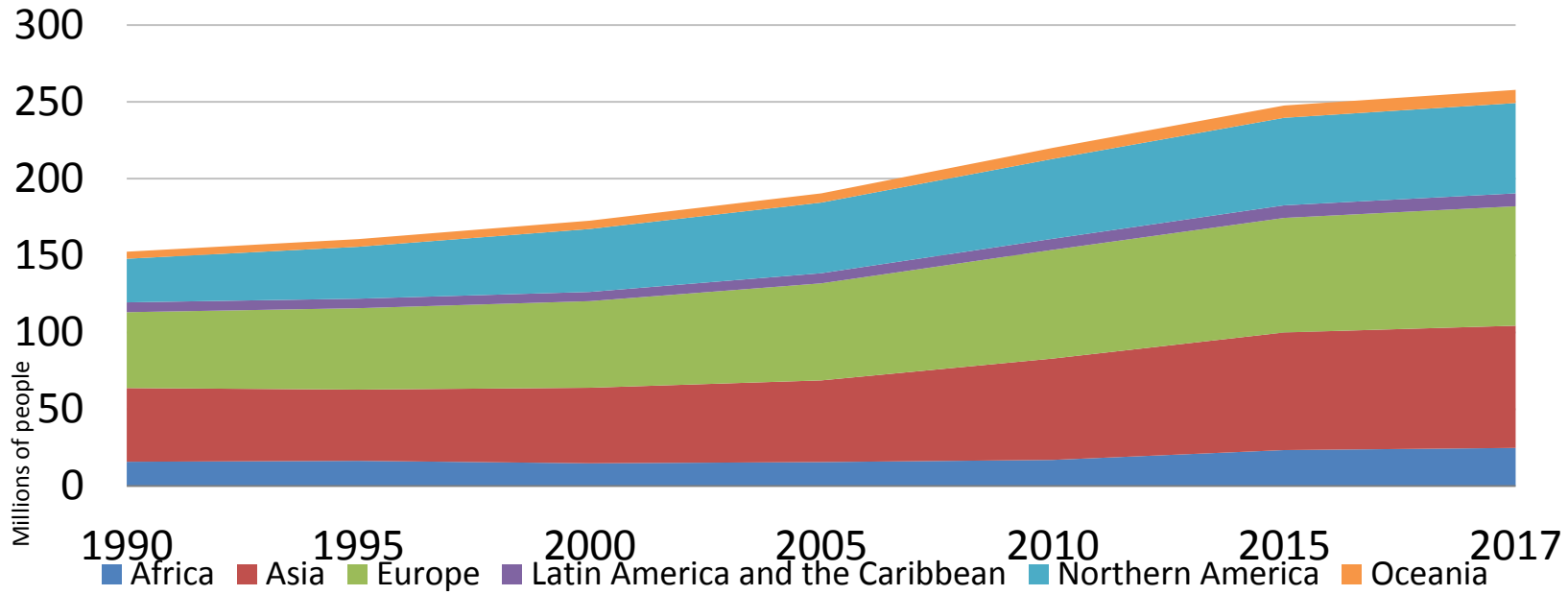
BETTER POLICIES FOR BETTER LIVES

More people on the move

Estimates of international migrant stock by region of destination, 1990-2017

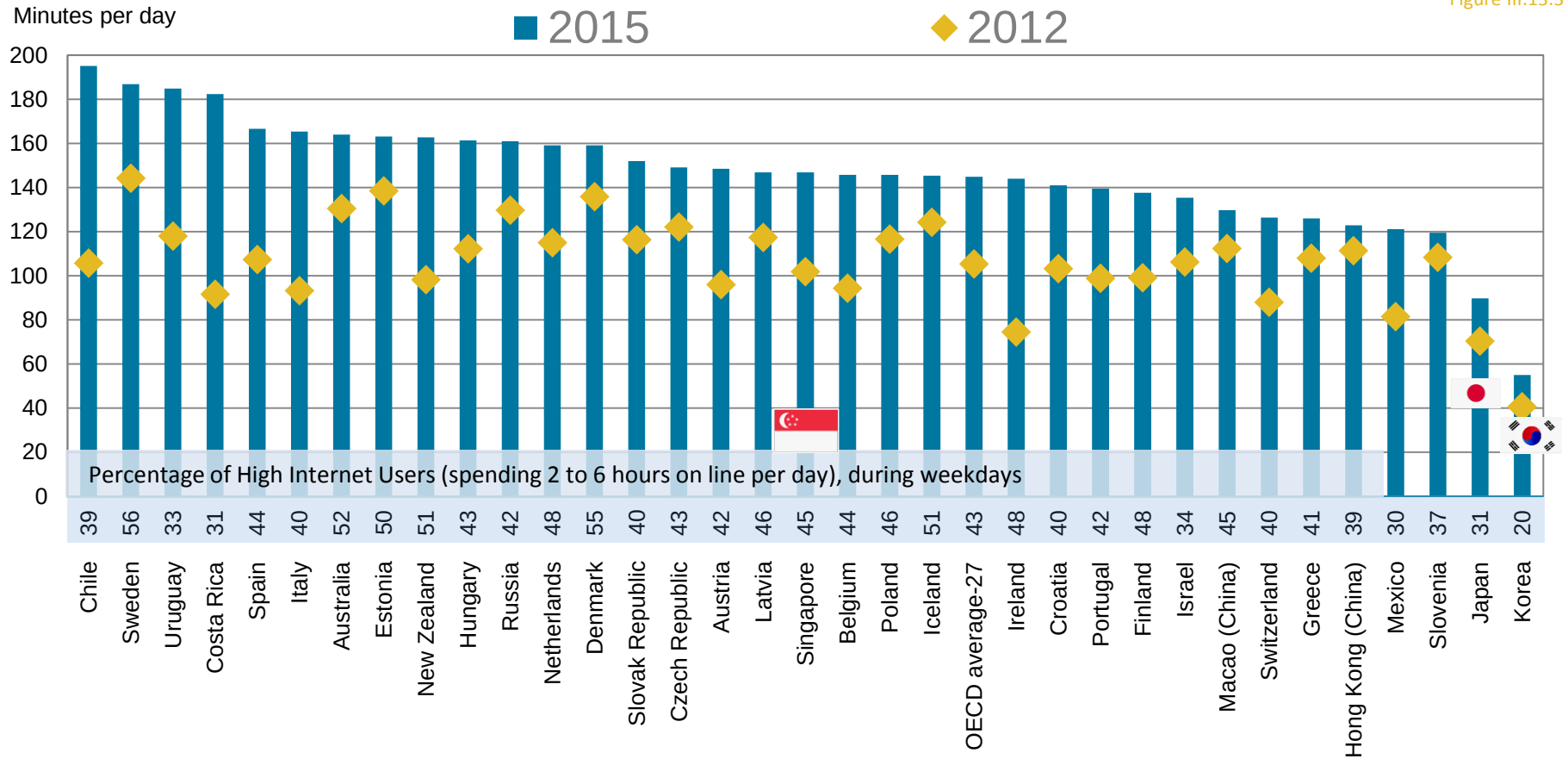


Source: OECD (2019),*Trends Shaping Education 2019,* https://doi.org/10.1787/trends_edu-2019-en

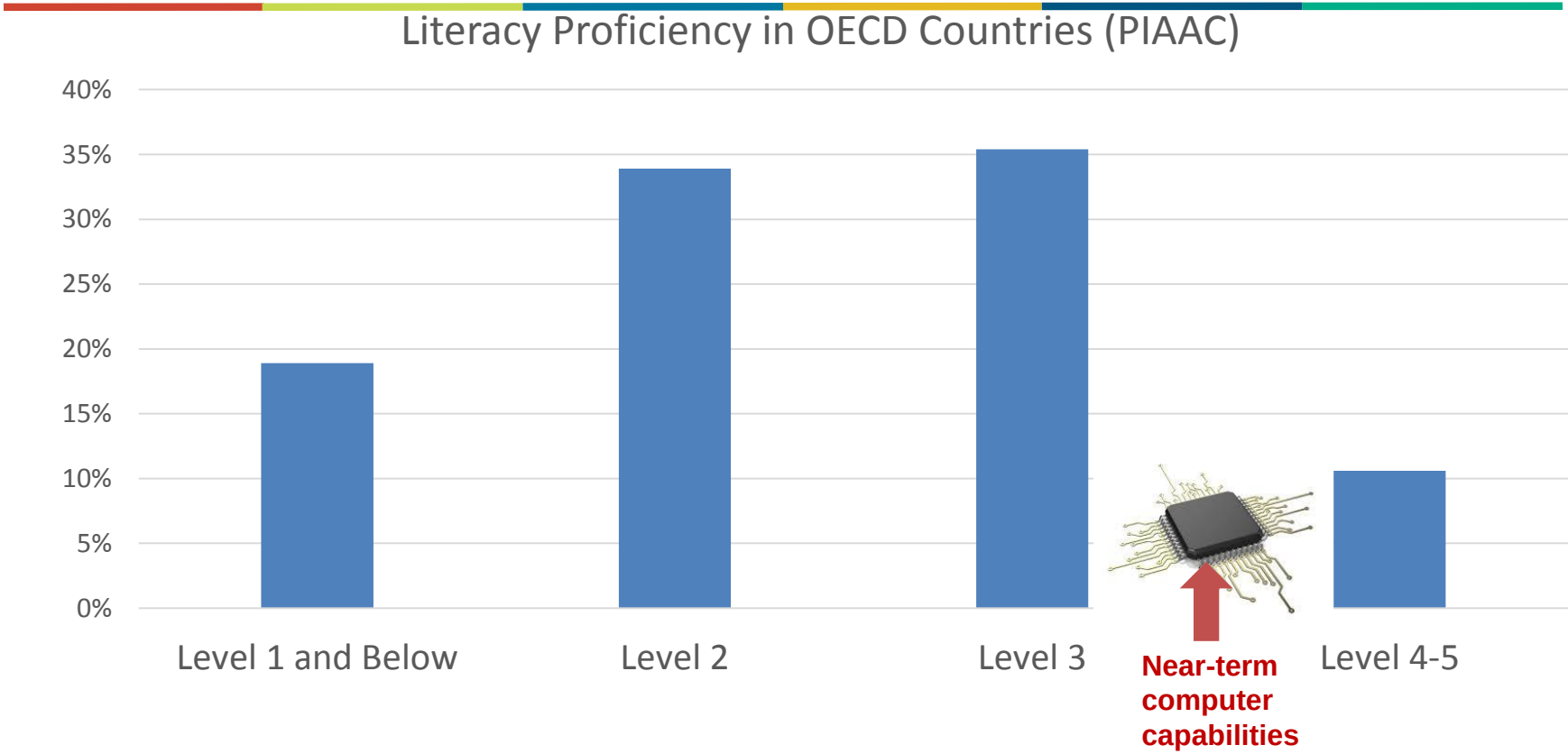
Figure 1.5

More time online outside school on a typical school day (PISA)

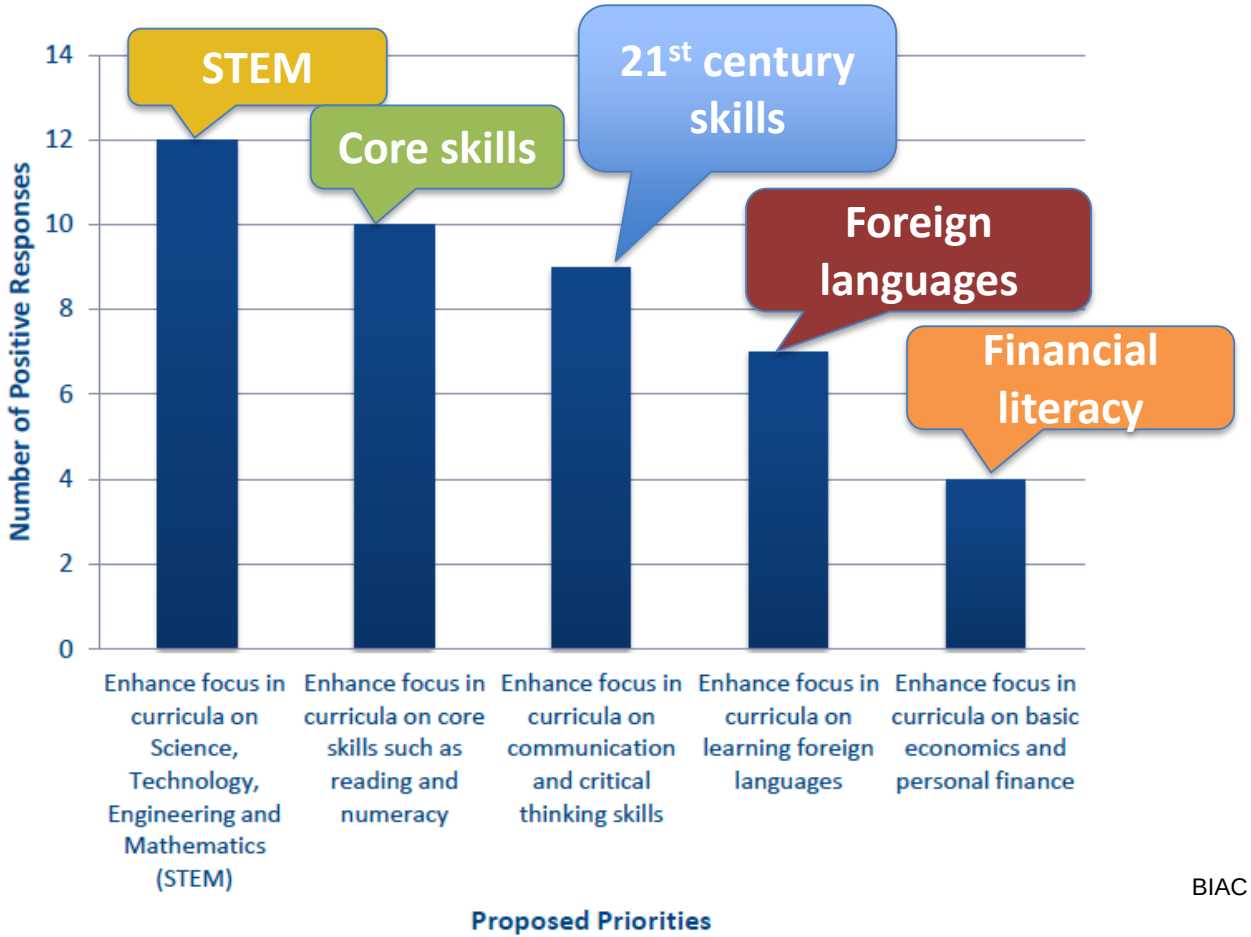
Figure III.13.3



Is AI more intelligent than human-being?



What do employers expect from education?



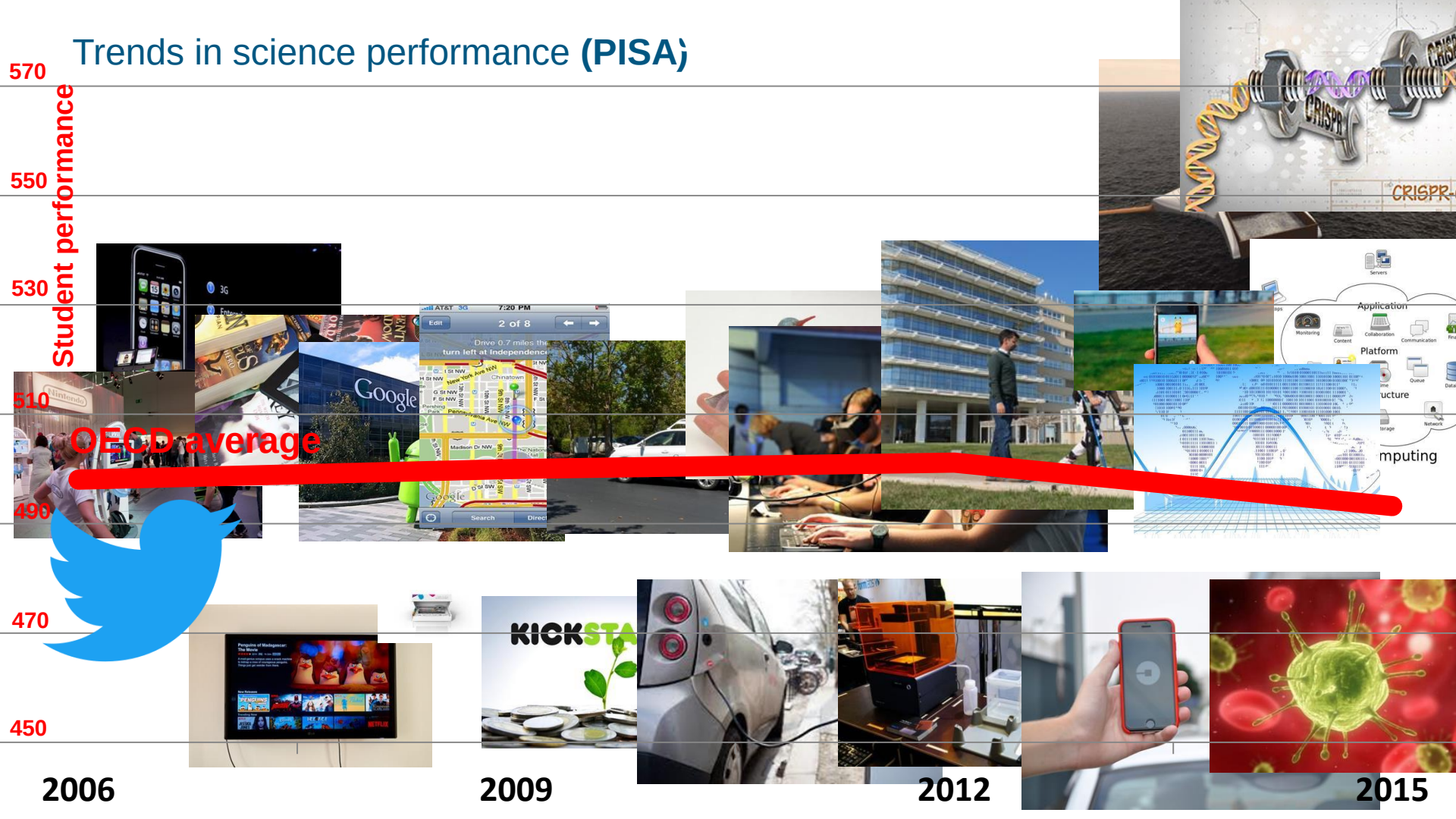
BIAC survey 2013

Trends in science performance **(PISA)**

Student performance

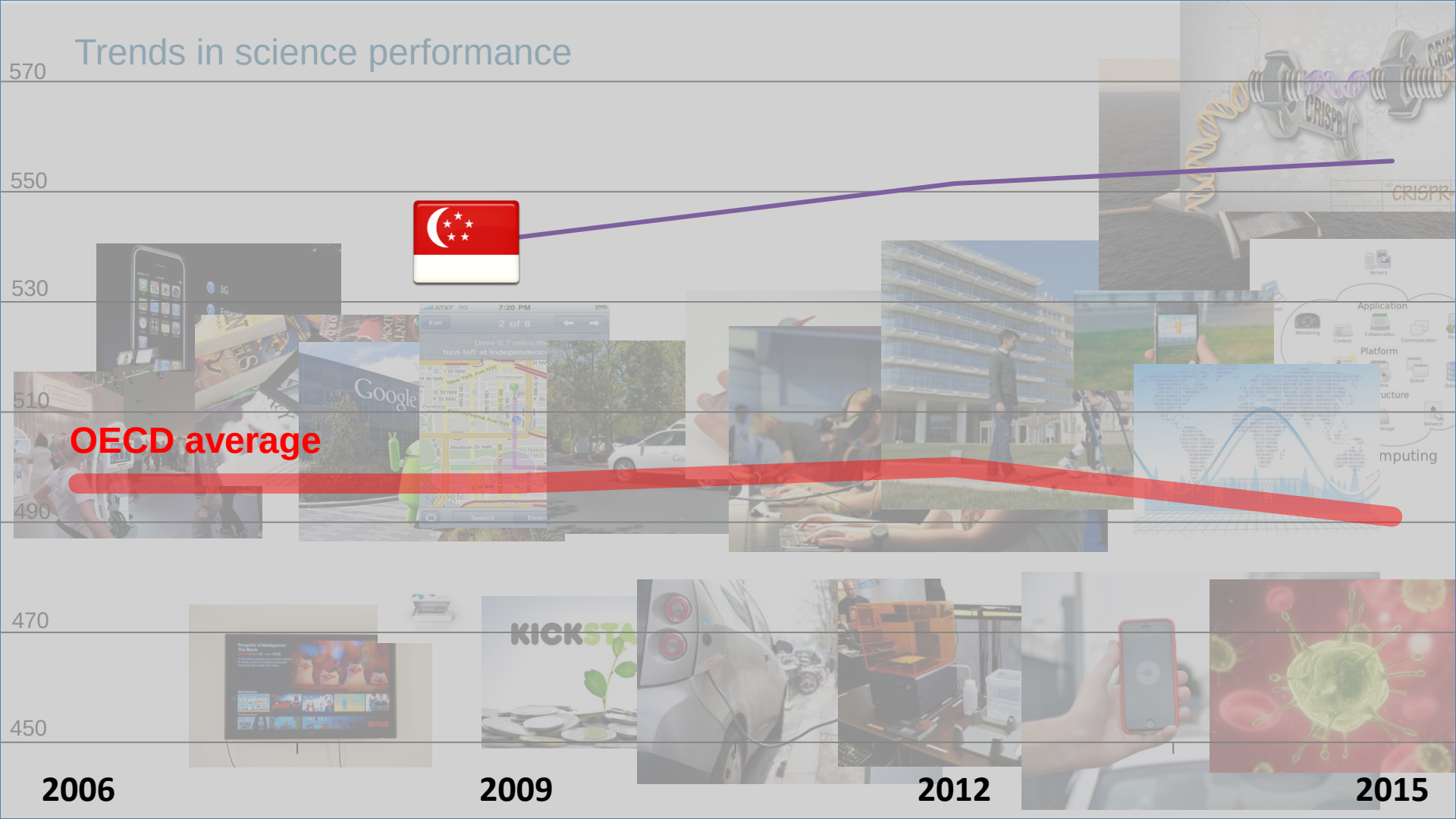
570
550
530
510
490
470
450

OECD average

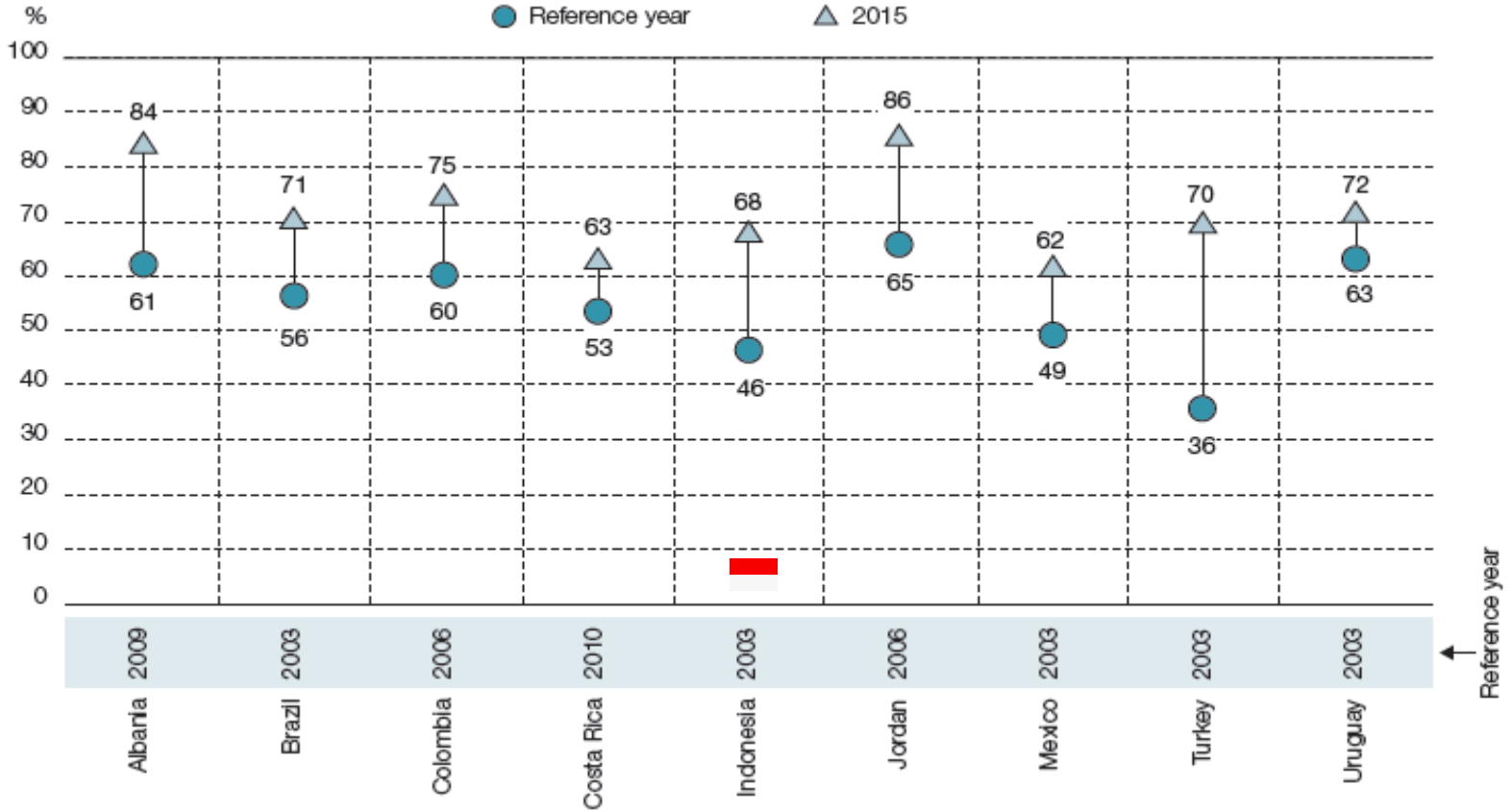


2006 2009 2012 2015

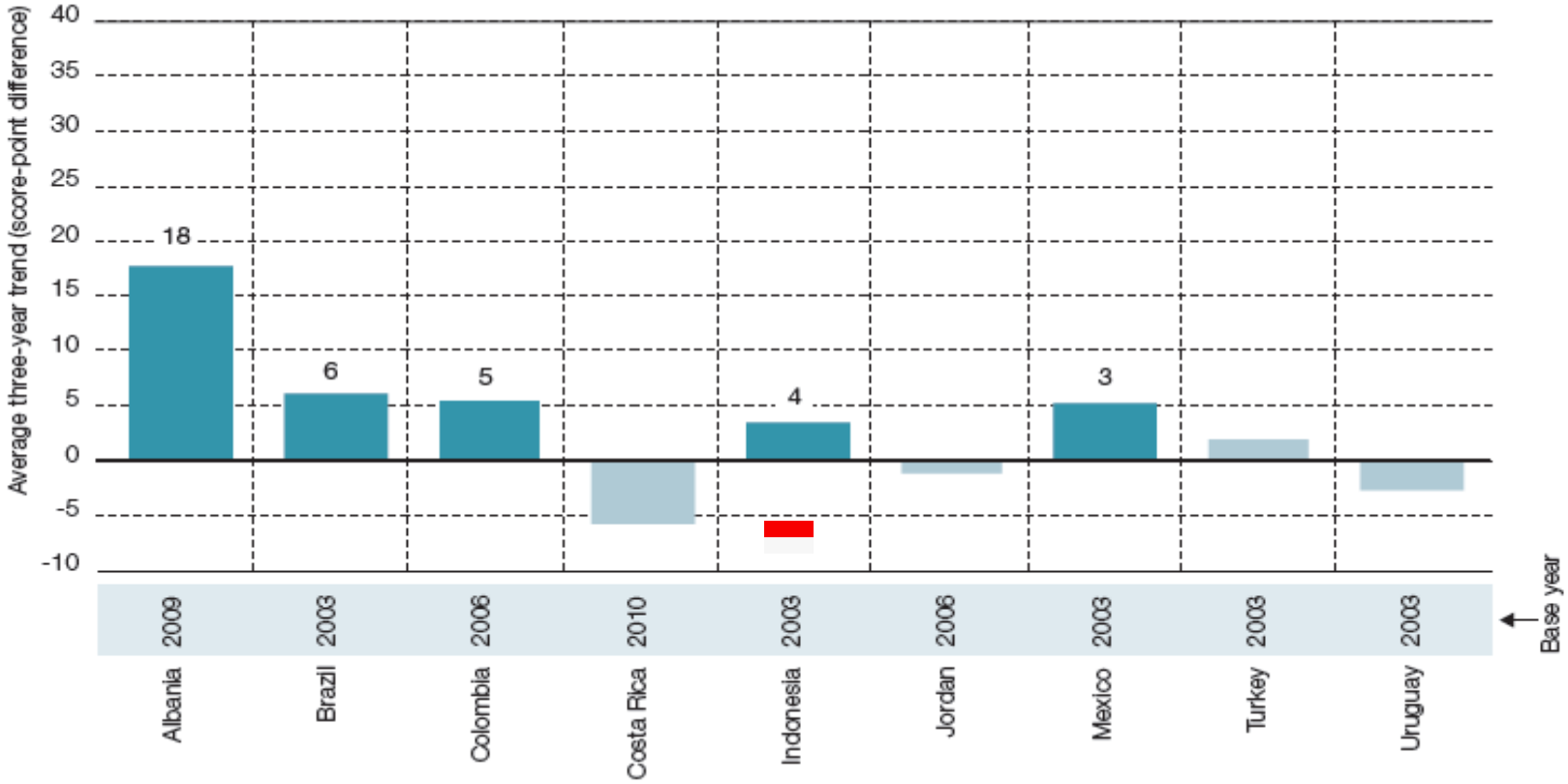
Trends in science performance



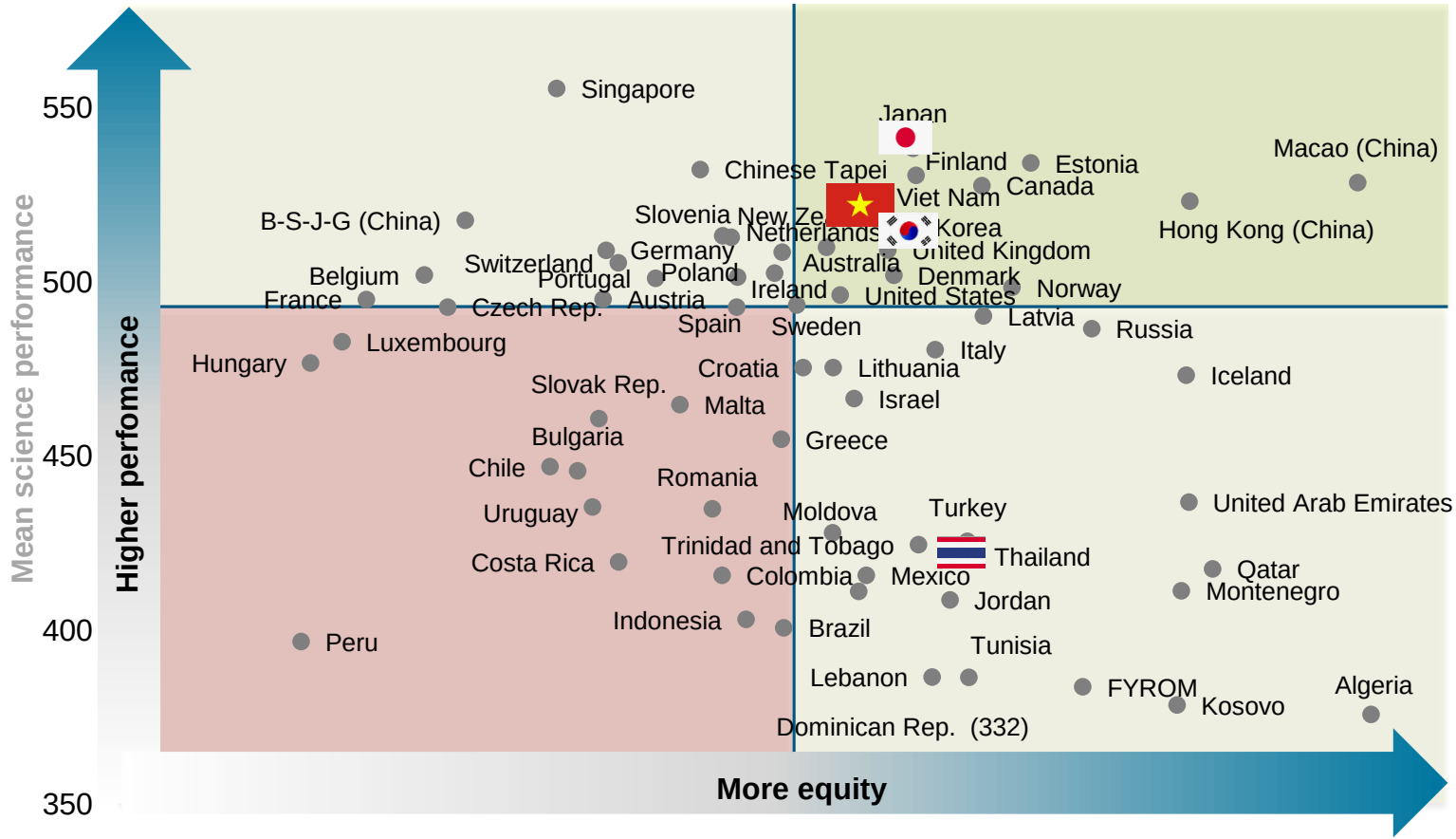
Some countries significantly increased the enrolment of 15-year-olds



And still improving mean performance (math)



Science performance and equity in PISA (2015)

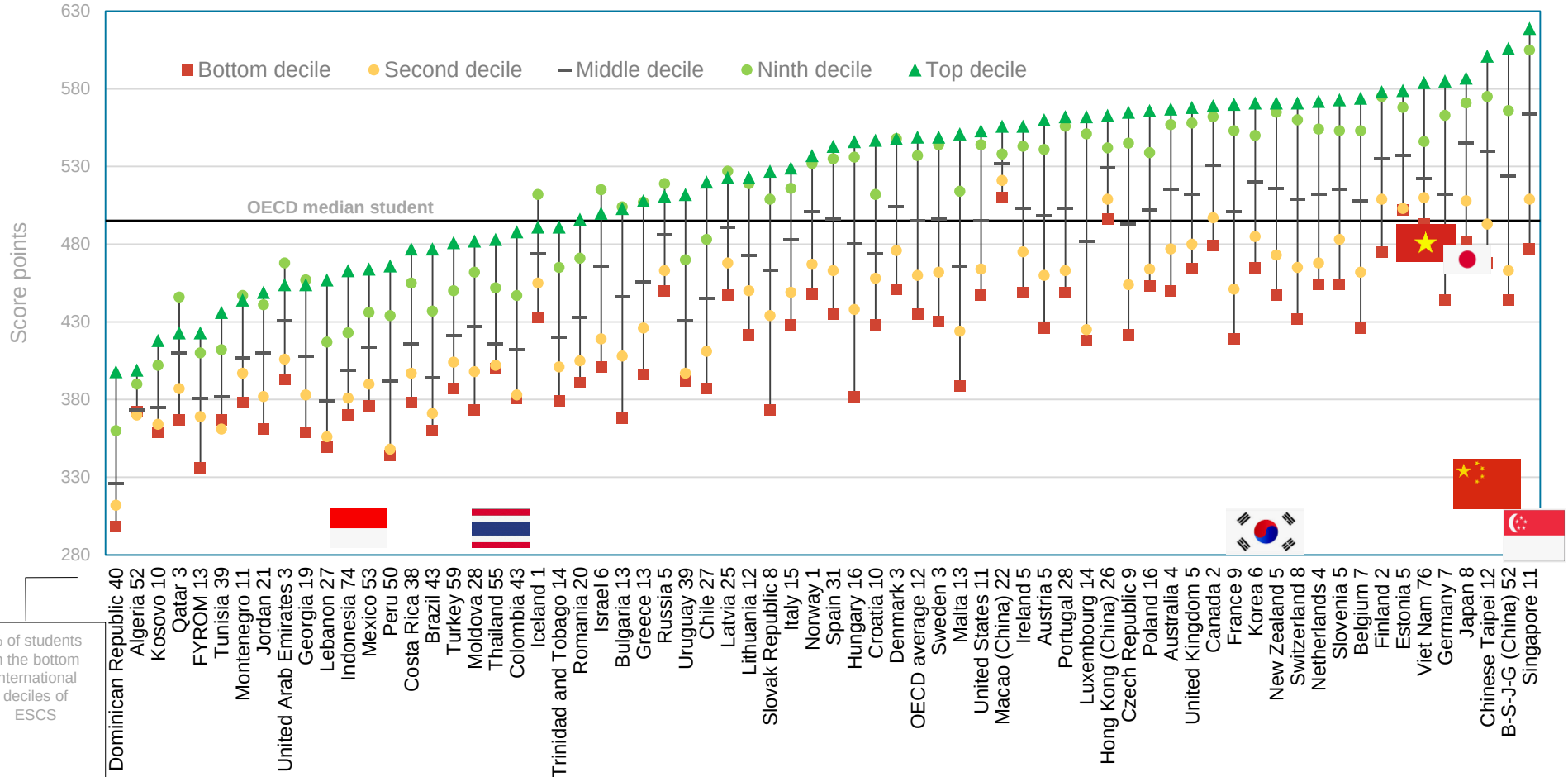


Some countries combine excellence with equity

Poverty is not destiny - Science performance

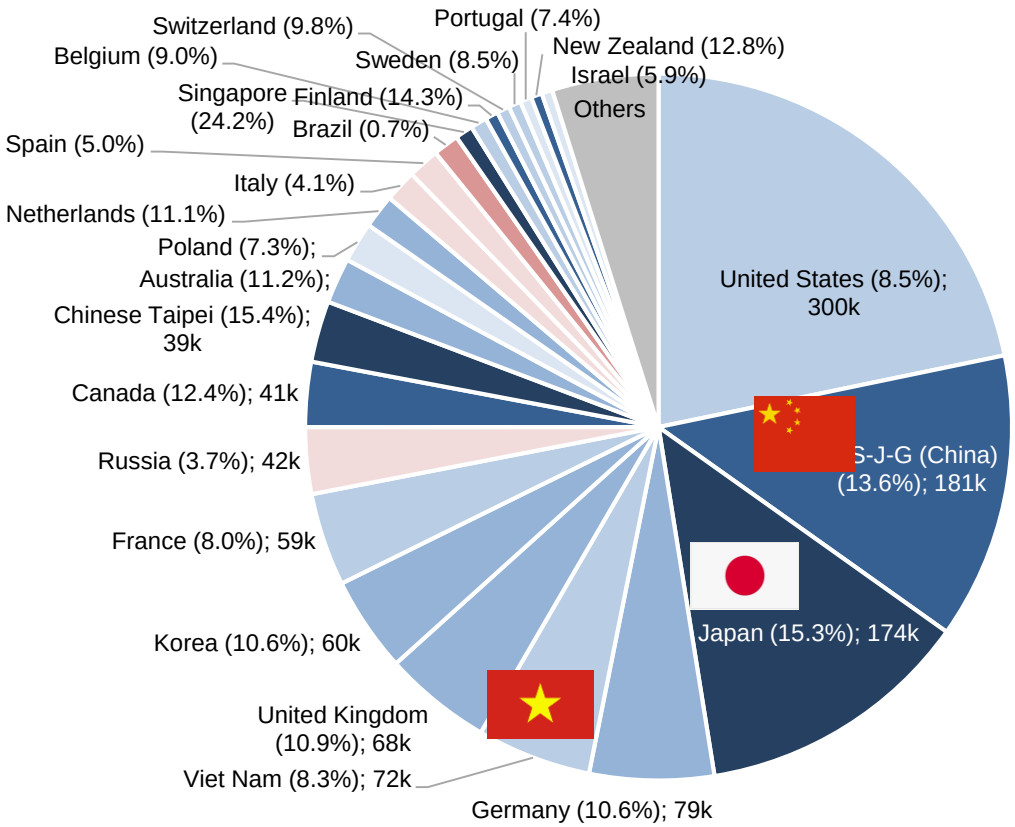
by international deciles of the PISA index of economic, social and cultural status (ESCS)

Figure I.6.7



The global pool of top performers: A PISA perspective

Figure I.2.18

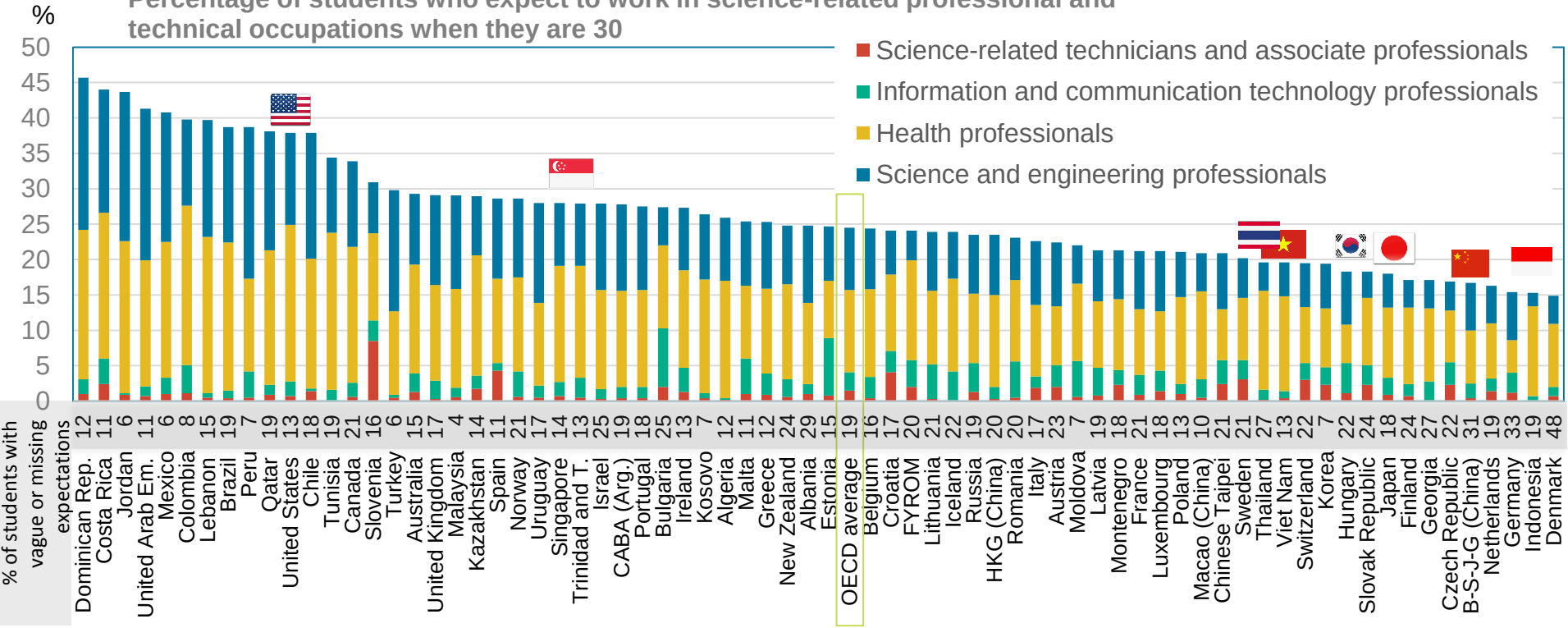


Share of top performers among 15-year-old students:

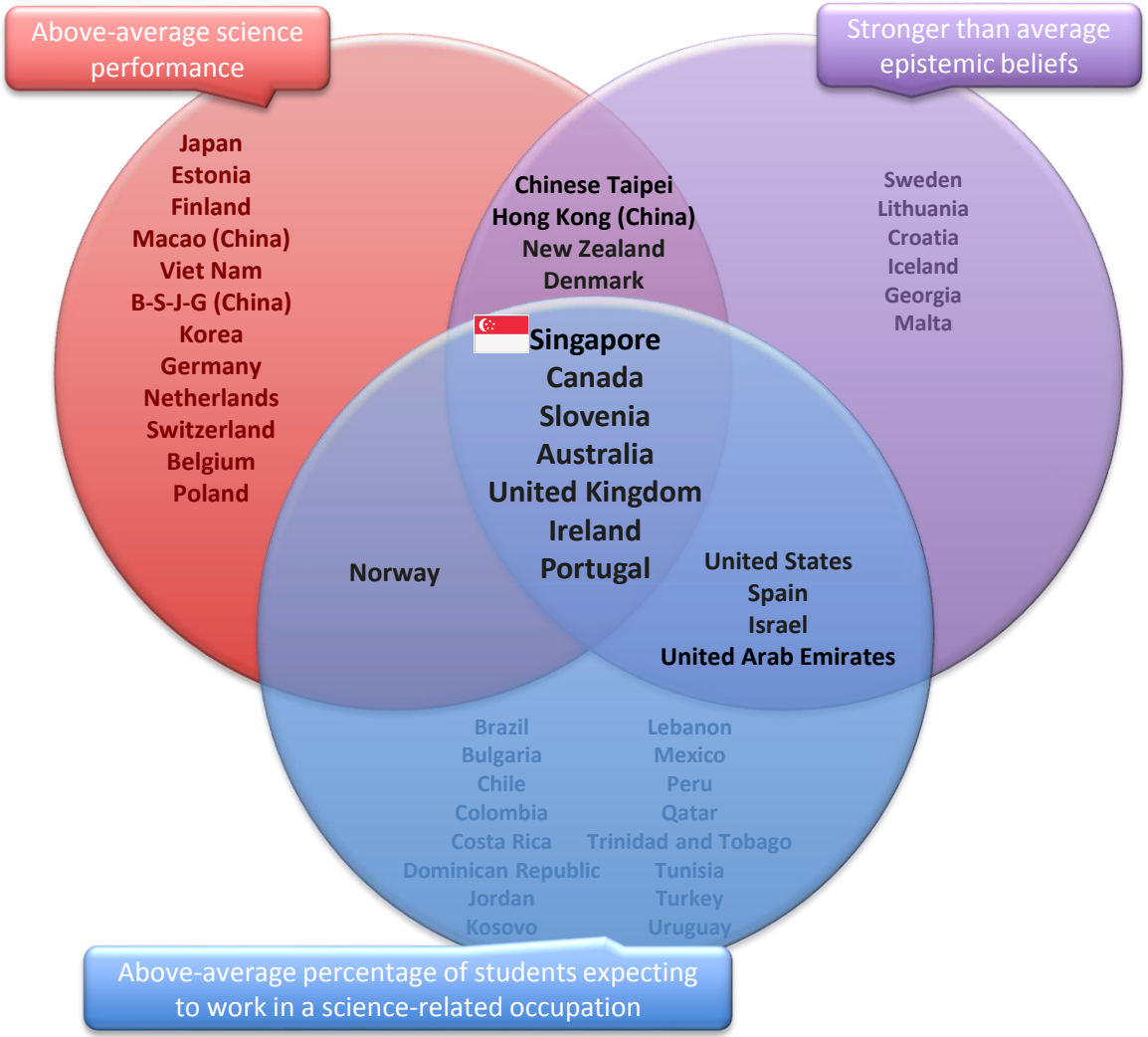
- Less than 1%
- 1 to 2.5%
- 2.5 to 5%
- 5% to 7.5%
- 7.5% to 10%
- 10% to 12.5%
- 12.5% to 15%
- More than 15%

39% of top performers are in Asia

Students expecting a career in science



Multiple outcomes



Spending per student from the age of 6 to 15 and science performance

Figure II.6.2

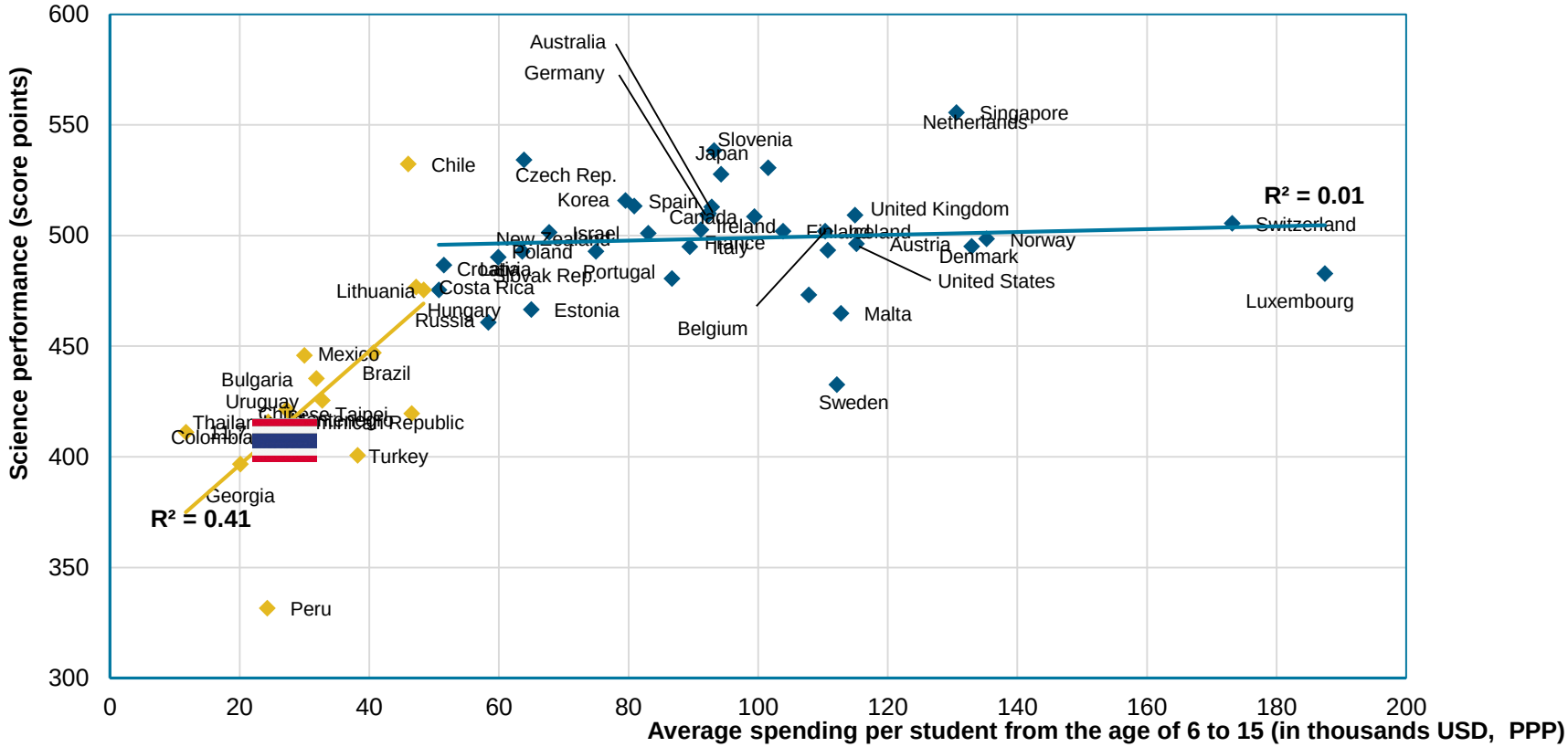
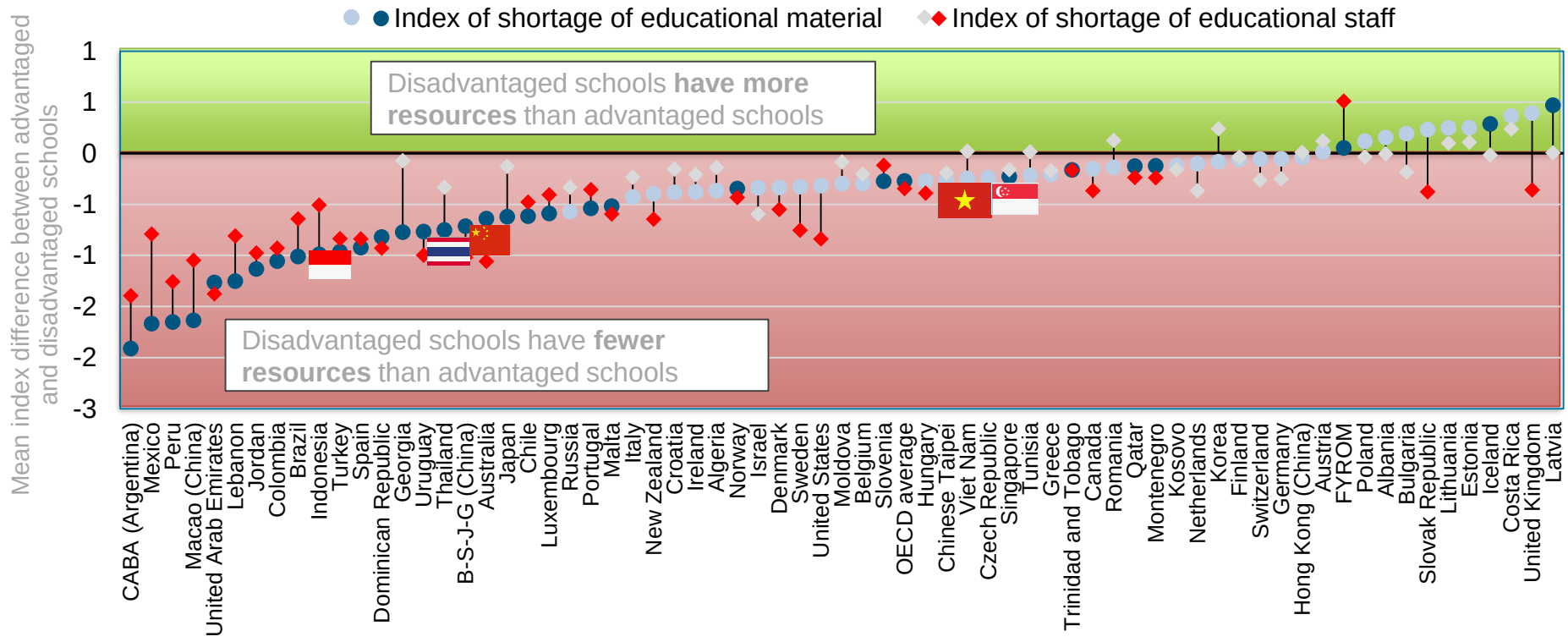


Figure I.6.14

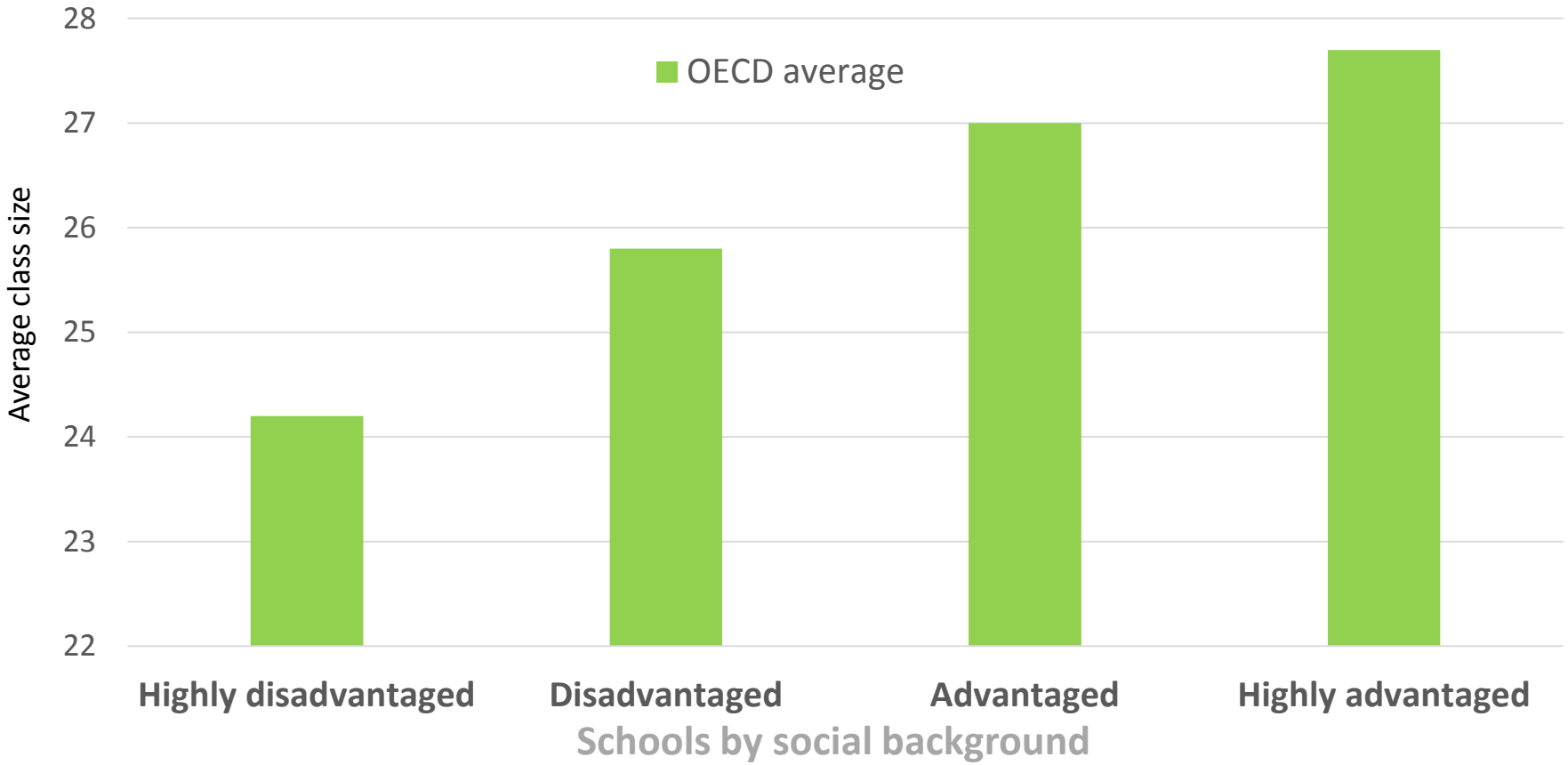
Differences in educational resources

between advantaged and disadvantaged schools



Aligning resources with needs

Average class size in <9th grade>, by quarter of school socio-economic profile



Aligning resources with needs

Science teachers without a university major in science, by school socio-economic profile (OECD Average)

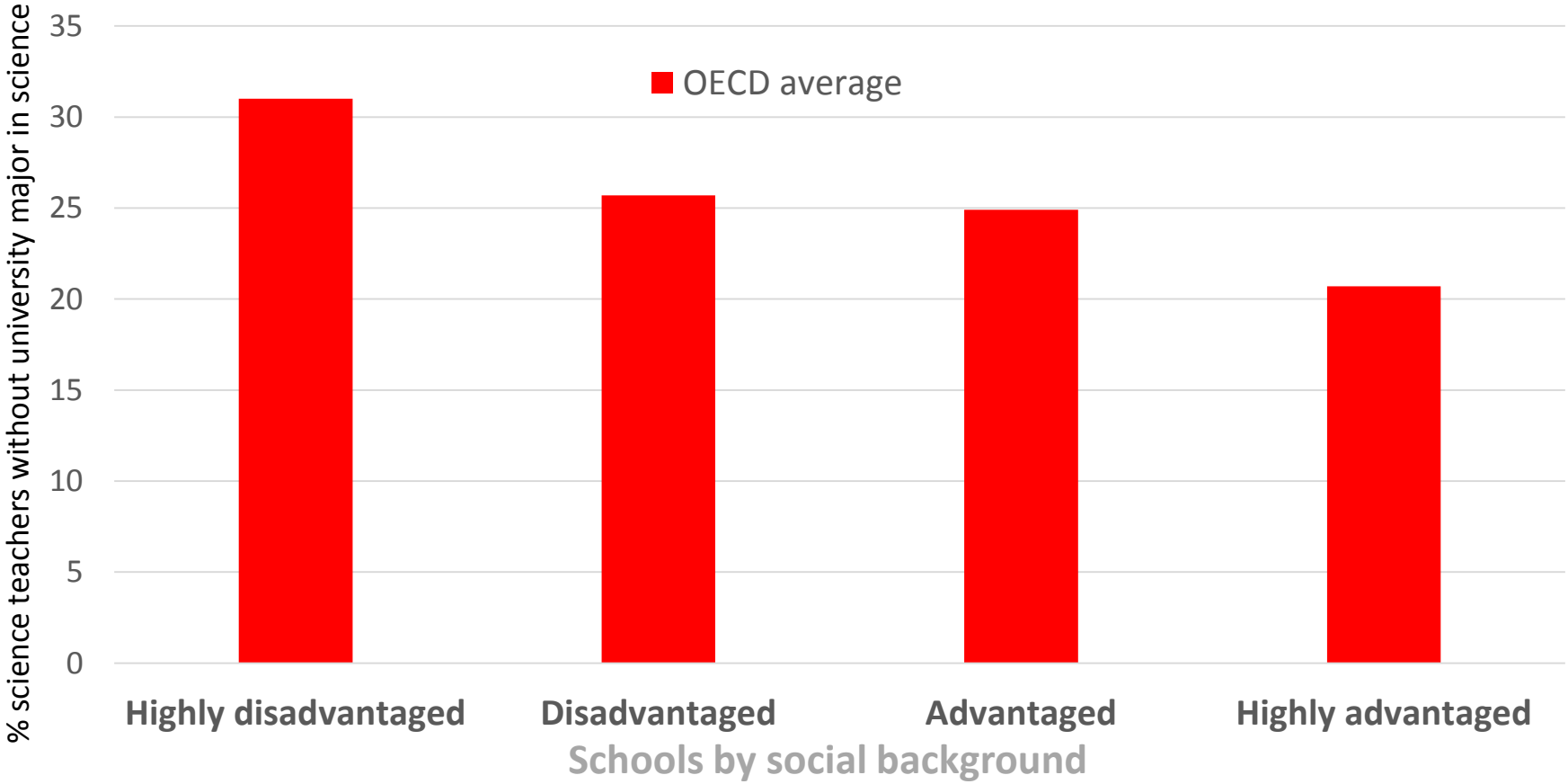
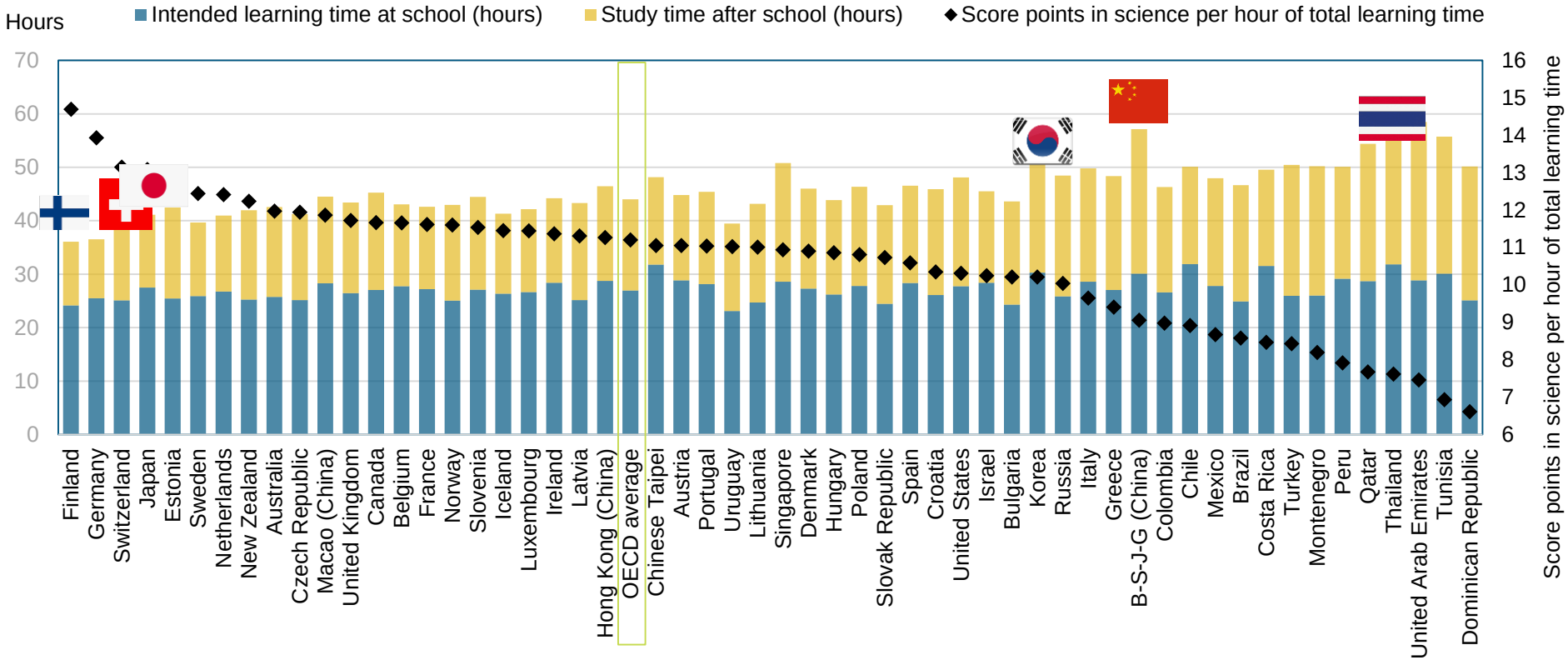


Figure II.6.23

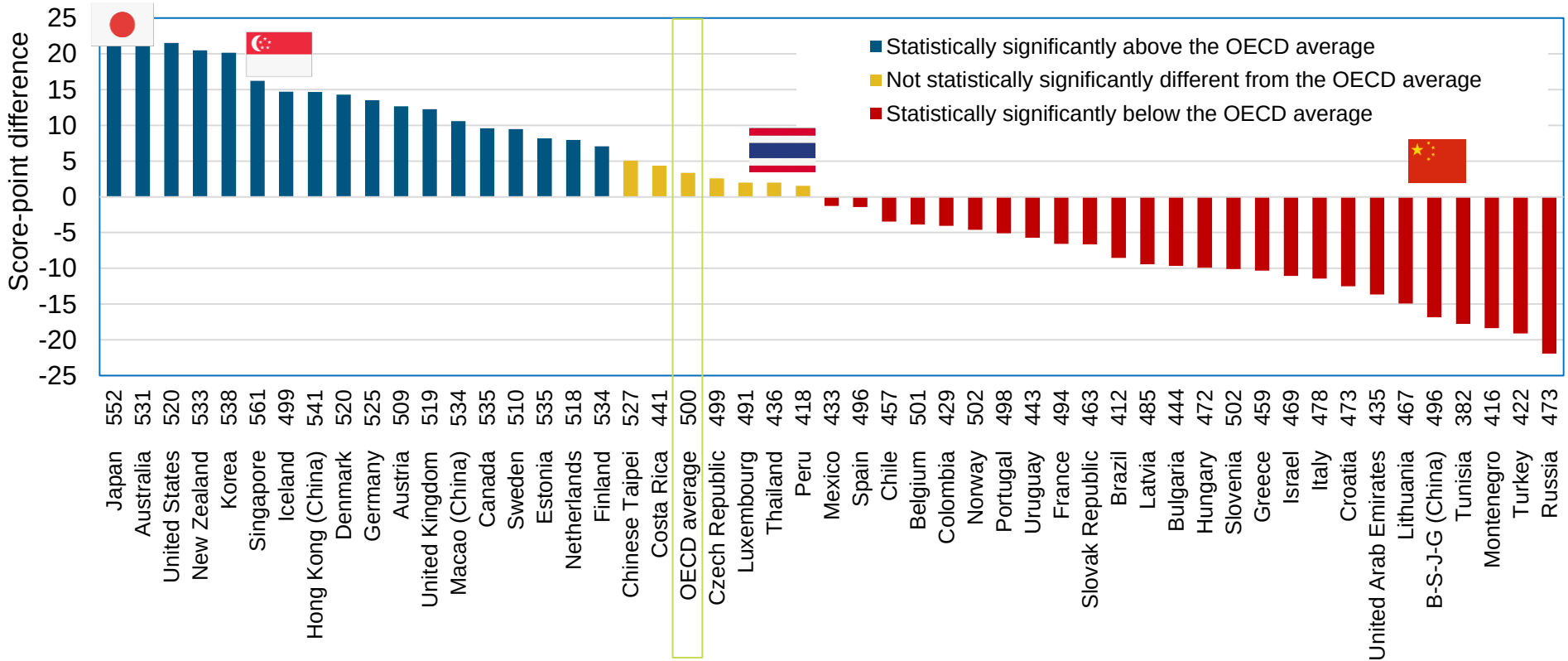
Learning time and science performance



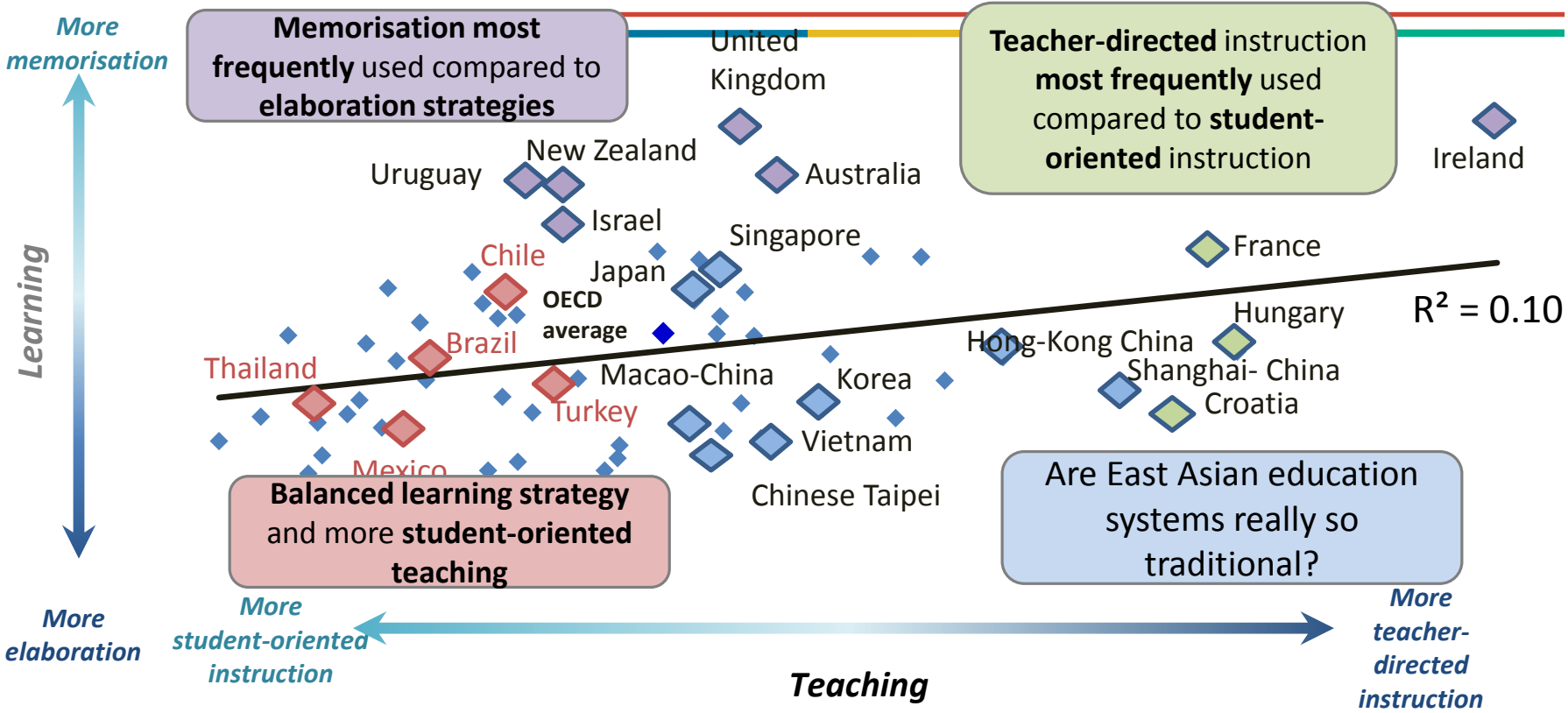
Collaborative problem solving skills of 15-year-old students

Figure V.3.9

relative to performance in reading, mathematics and science

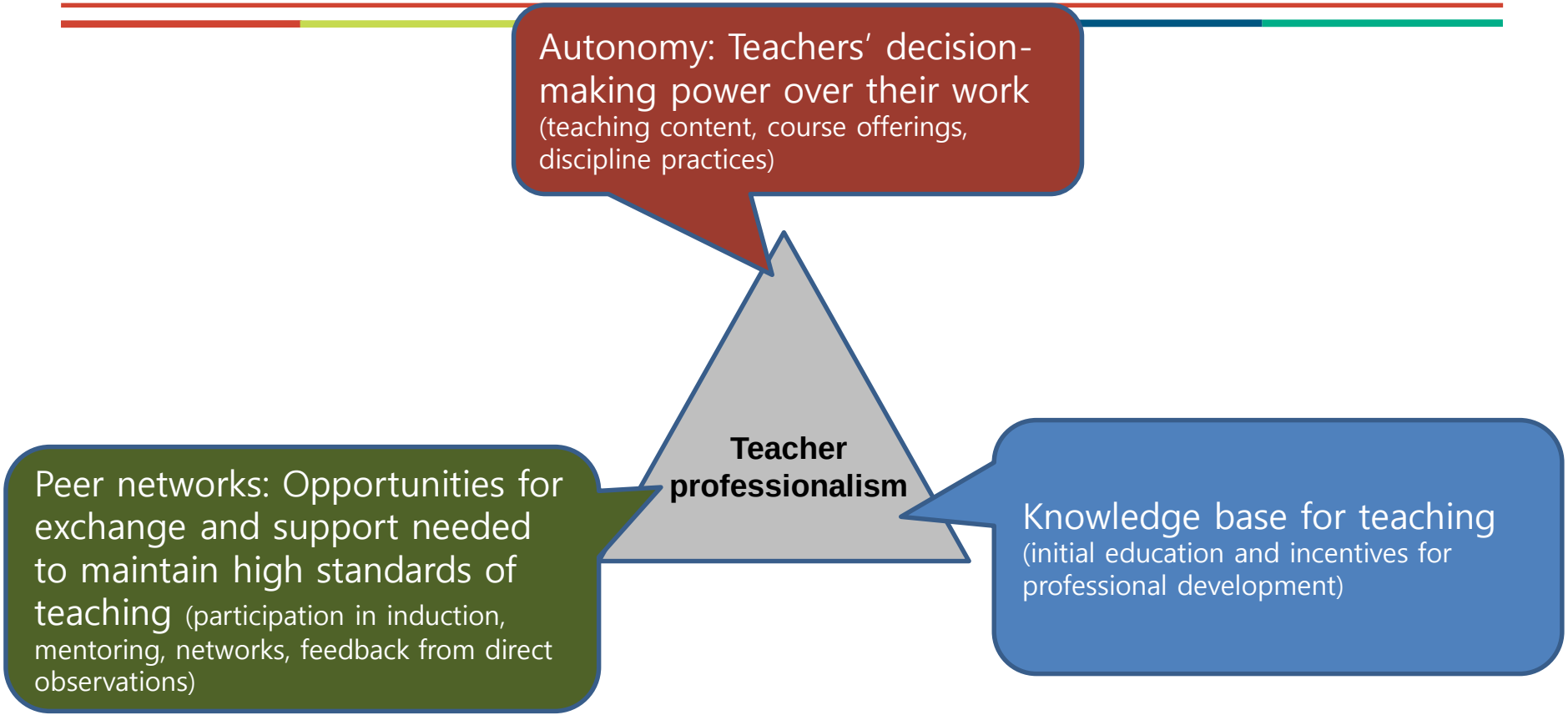


Teaching and **learning strategies** in **mathematics** around the **world**

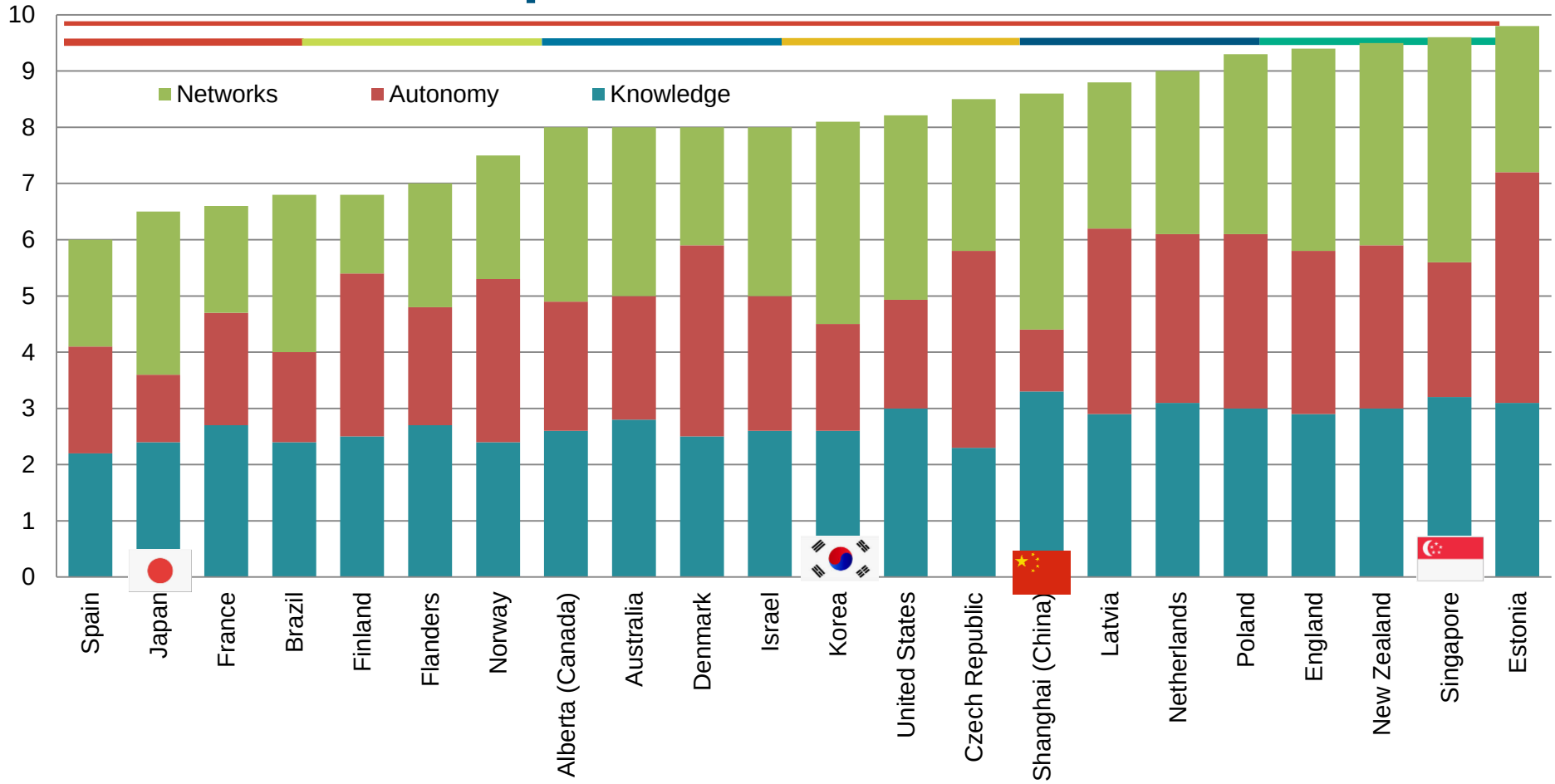


Source: Figure 1.2

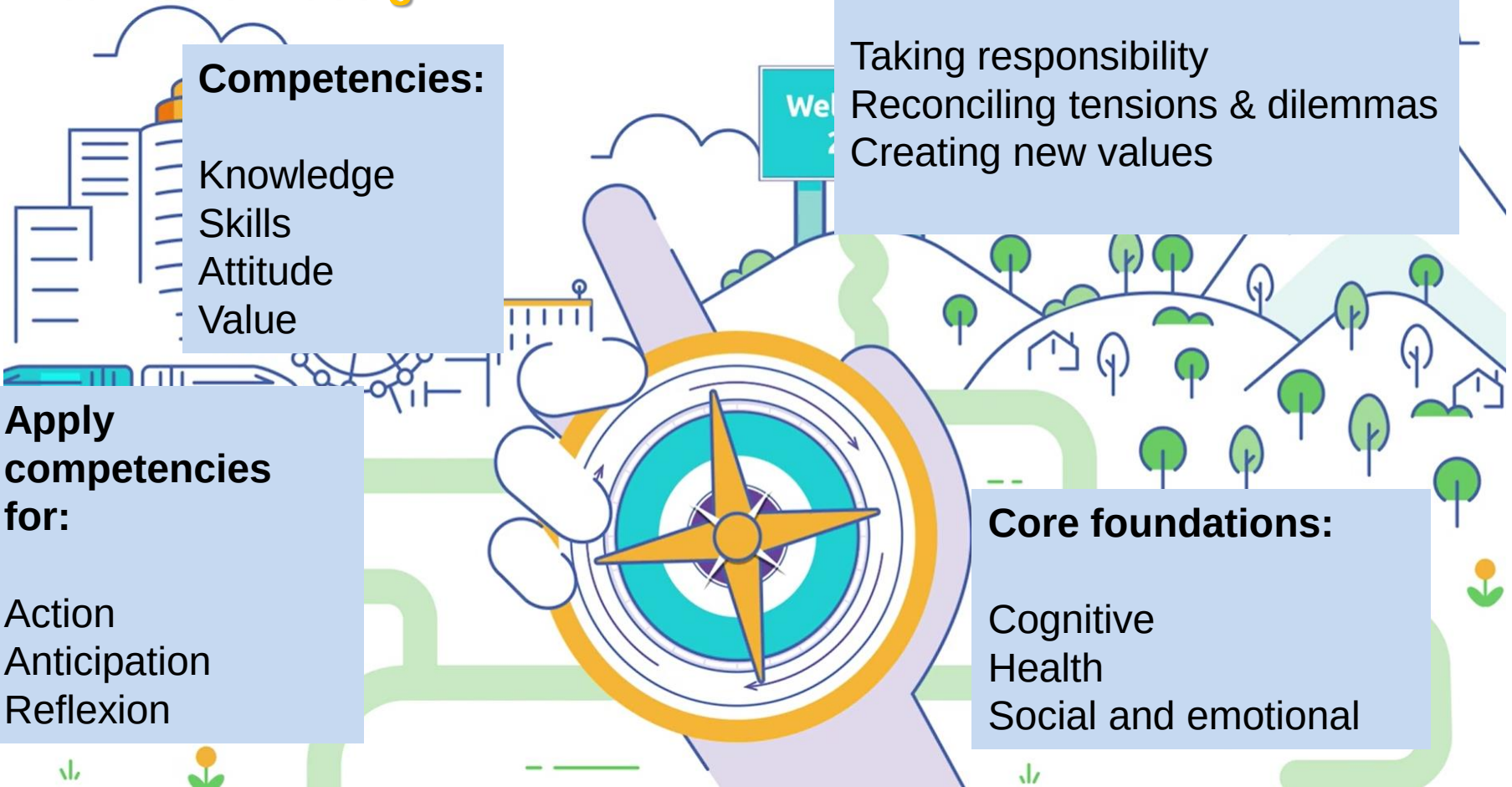
Policy levers to teacher professionalism



TALIS Teacher professionalisation index



OECD learning compass for curriculum design



Competencies:

Knowledge
Skills
Attitude
Value

Transformative competencies:

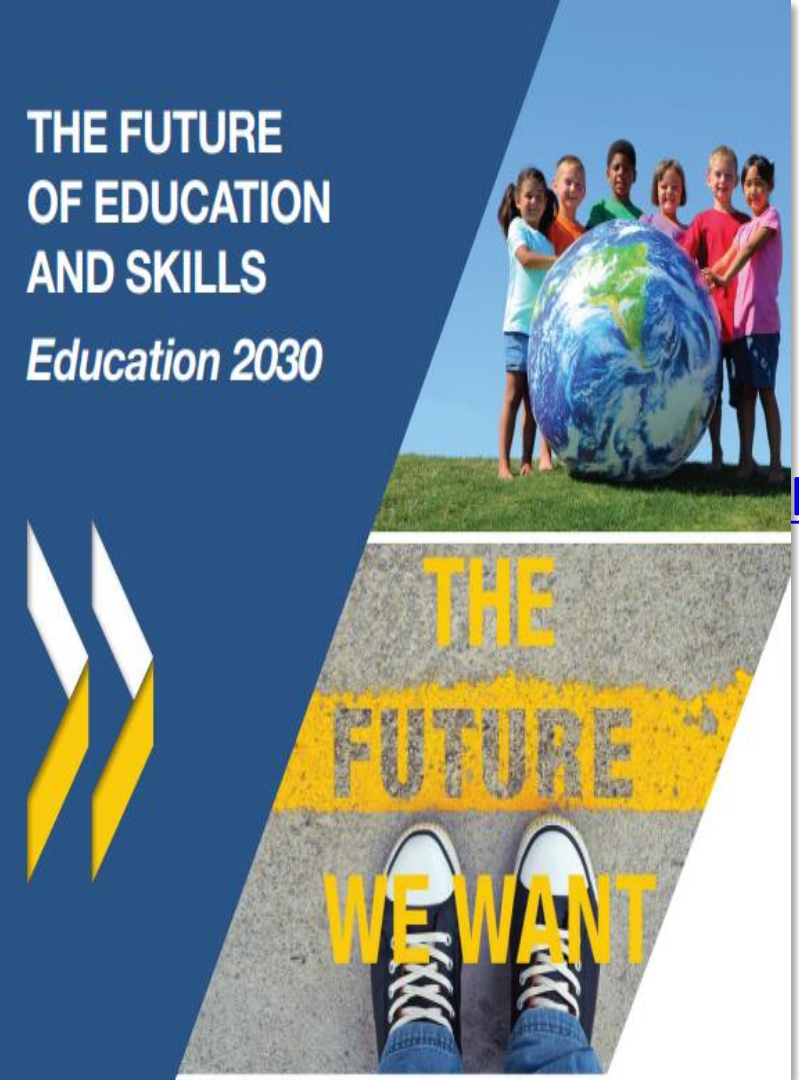
Taking responsibility
Reconciling tensions & dilemmas
Creating new values

Apply competencies for:

Action
Anticipation
Reflexion

Core foundations:

Cognitive
Health
Social and emotional



Thank you!

Please visit our website:

http://www.oecd.org/education/2030-project/

https://www.oecd.org/pisa/pisa-2018-global-competence.htm

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