EDUCATION & SKILLS

PISA 2022

Main findings from PISA 2022

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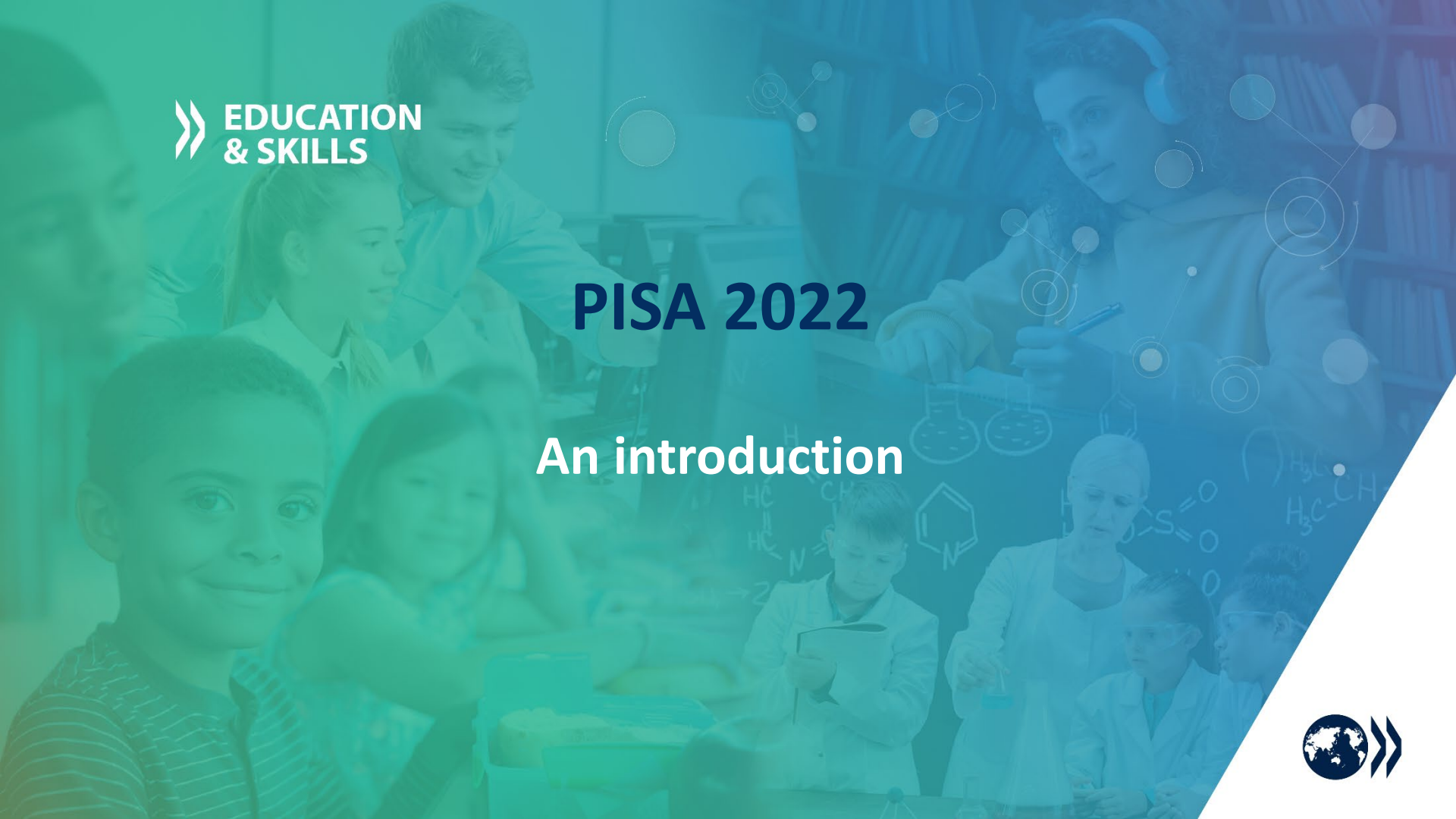
OECD
BETTER POLICIES FOR BETTER LIVES



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PISA 2022

An introduction

Outline

Introduction — Overview of the OECD and PISA

PISA 2022 — The state of global education

Key Indicators — Resources / Equity / Student voice / Digital environment

What is the OECD?
Organisation for Economic Co-operation and Development

Paris based, staff of 3 000

around 200 in Directorate for Education and Skills

Better policies for better lives

500+ publications/year:

PISA, Economic Outlook, OECD.Stat, etc.

38 member countries

What is PISA?

Programme for International Student Assessment

assesses 15-year-old students' abilities and knowledge in mathematics, reading and science

Key features of PISA 2022

The assessment

Computer-based tests were used in most countries

Assessments lasting a total of **two hours**

Background questionnaires

Background questionnaire (35min): information about the students themselves, their attitudes, dispositions and beliefs, their homes, and their school and learning experiences

School principals: school management and organisation, and the learning environment

The students

Some **690 000 students** completed the assessment in **81 participating countries and economies**

The content

Focus on mathematics, with **reading, science**

PISA participants

Around 690,000 15-year-old students in 81 countries and economies took PISA 2022

PISA Newcomers: El Salvador, Jamaica, Mongolia, the Palestinian Authority and Uzbekistan

Example PISA science item

PISA 2015

Volcanic Eruptions
Question 1 / 4

Refer to "Volcanic Eruptions" on the right. Click on a choice to answer the question.

Select the location on the map below that is **least** likely to experience volcanic activity or earthquakes.

VOLCANIC ERUPTIONS

Volcanic eruptions and earthquakes affect people in many parts of the world. Map 1 shows the location of volcanoes. Map 2 shows the location of earthquakes. A region called the Ring of Fire is shown on both maps.

Map 1 - Volcanoes

Map 2 - Earthquakes


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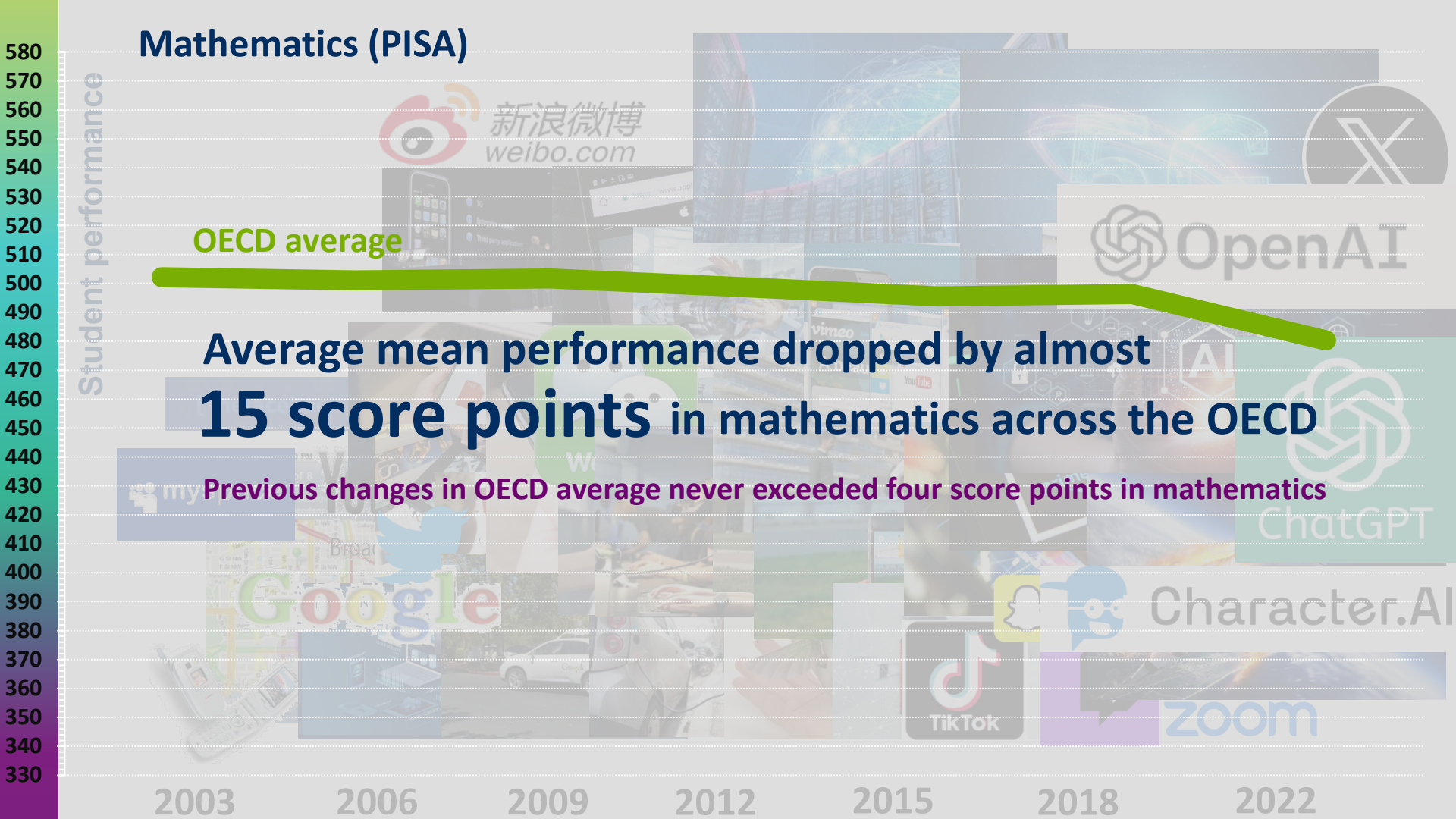
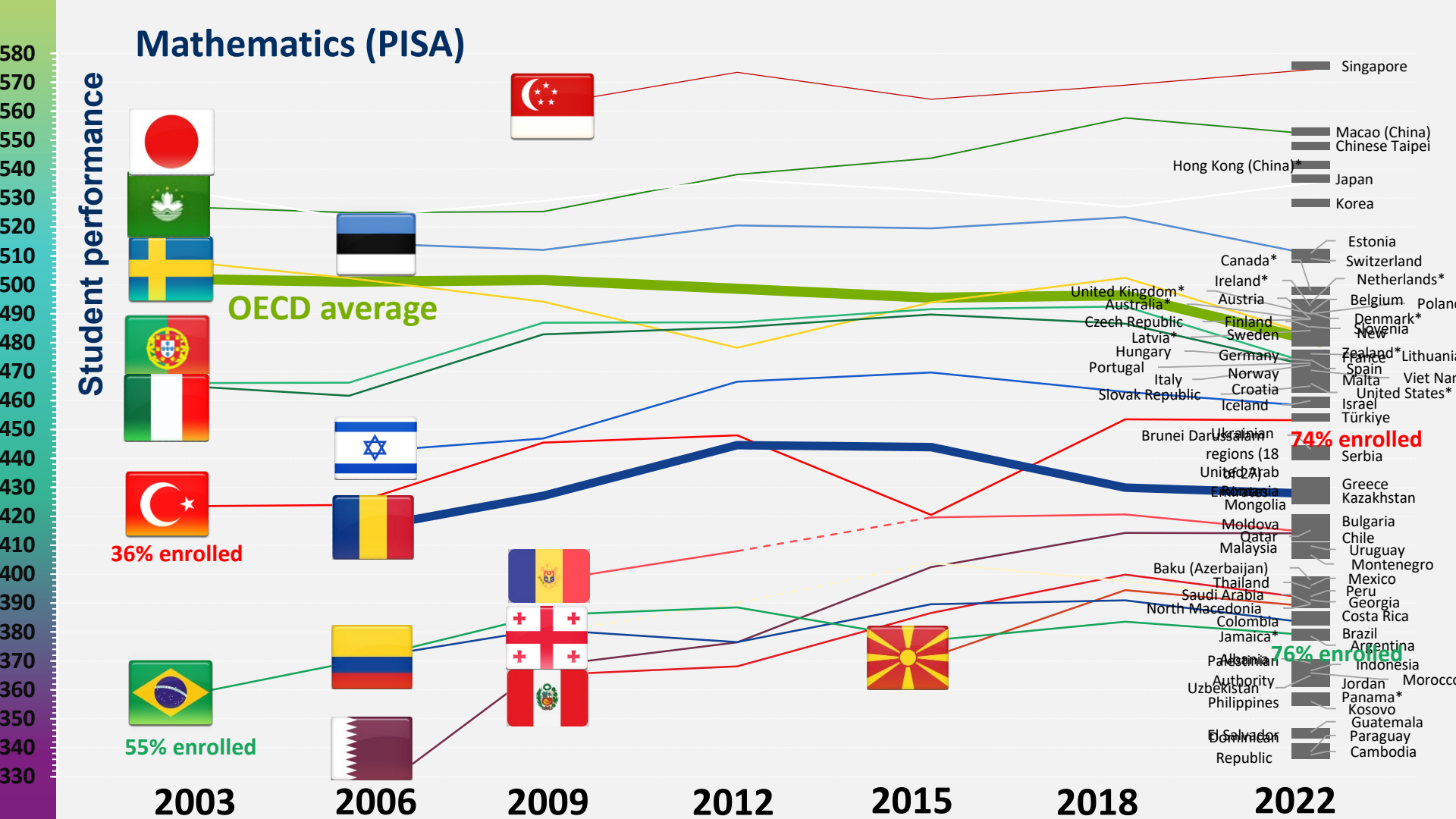
PISA 2022
The state of global education

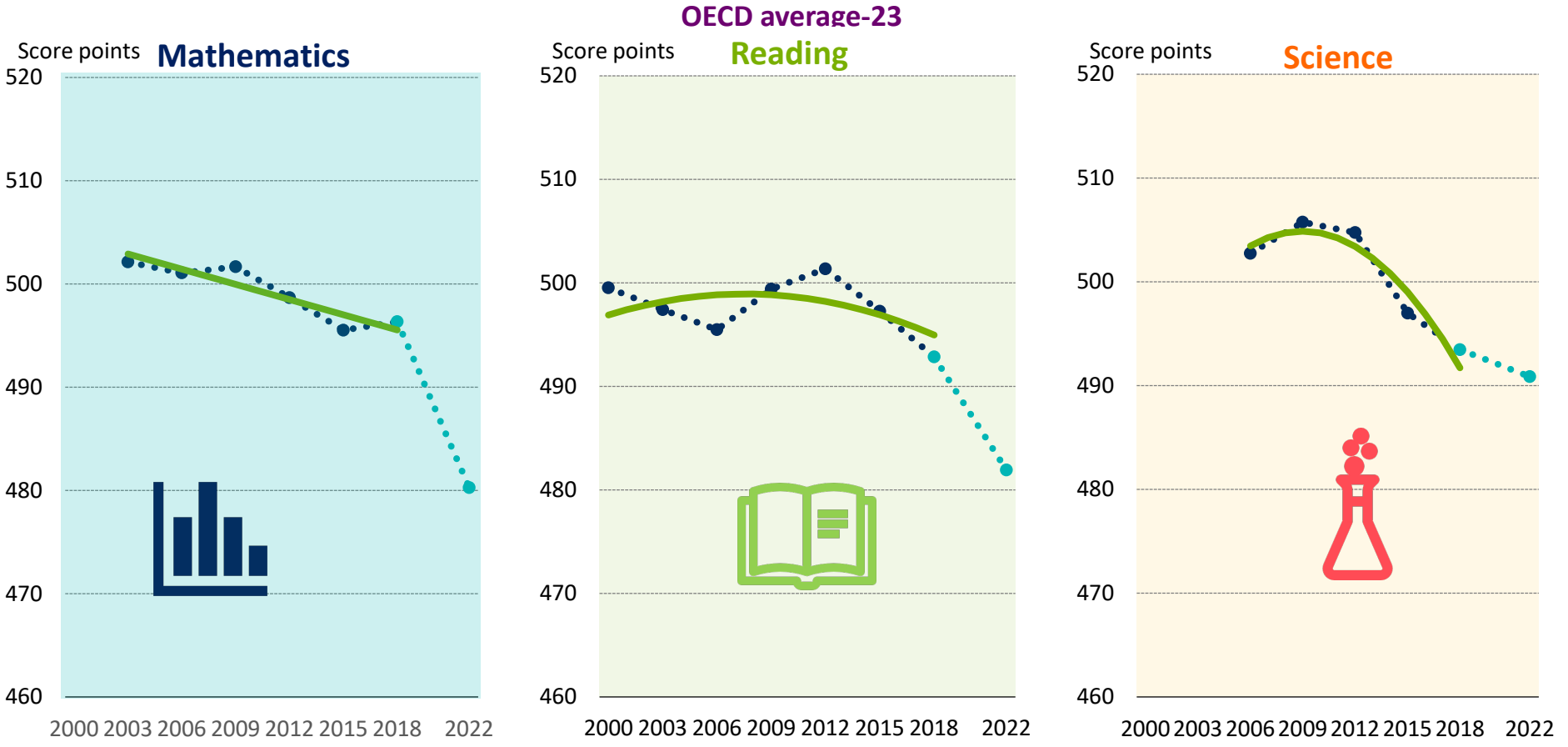

Mathematics (PISA)
Student performance
580
570
560
550
540
530
520
510
500
490
480
470
460
450
440
430
420
410
400
390
380
370
360
350
340
330
OECD average
Average mean performance dropped by almost
15 score points in mathematics across the OECD
Previous changes in OECD average never exceeded four score points in mathematics
2003
2006
2009
2012
2015
2018
2022

Mathematics (PISA)



Mathematics, reading and science performance declined significantly since PISA began

Figure I.5.2



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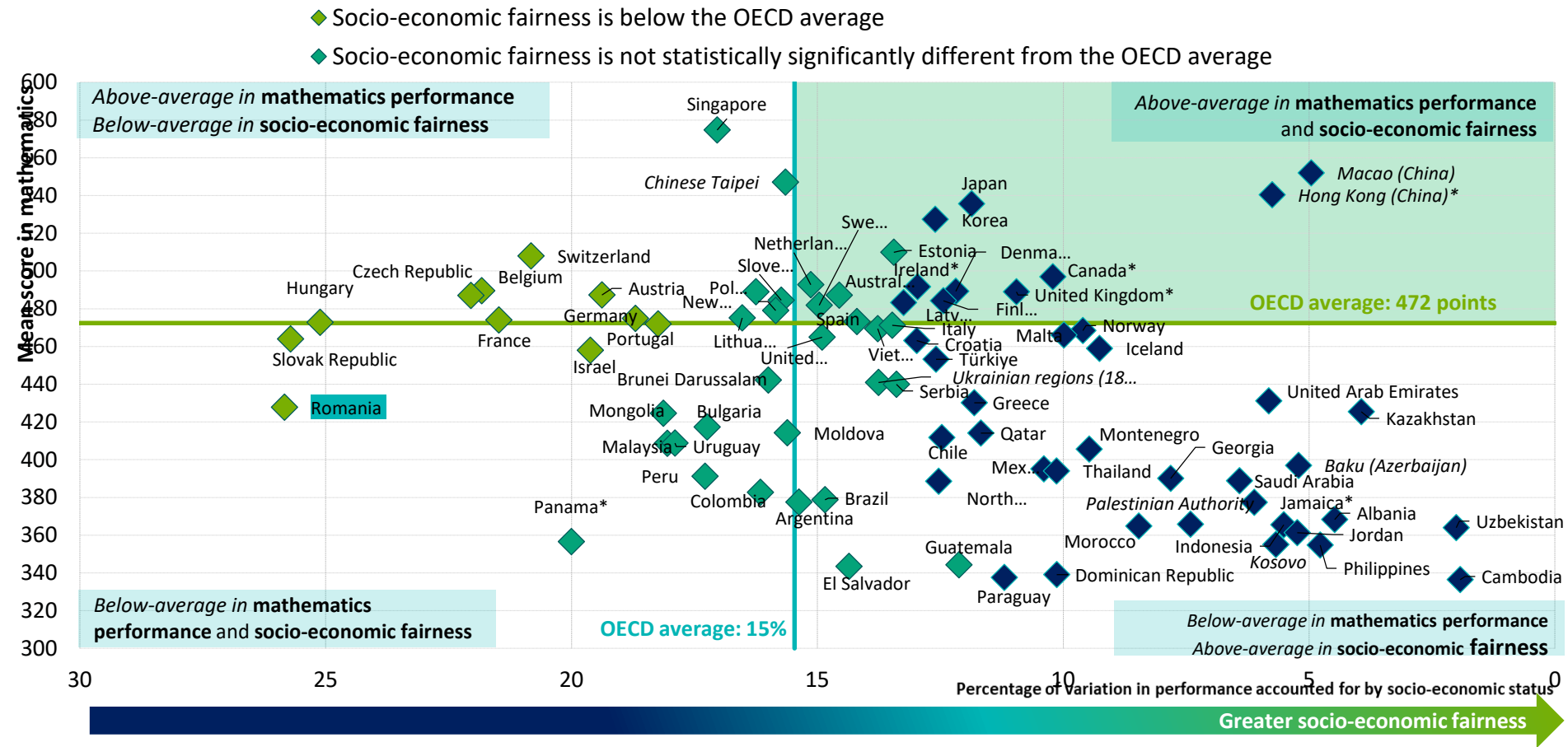
Equity

Link between students' performance and socio-economic profile

Combining excellence and equity

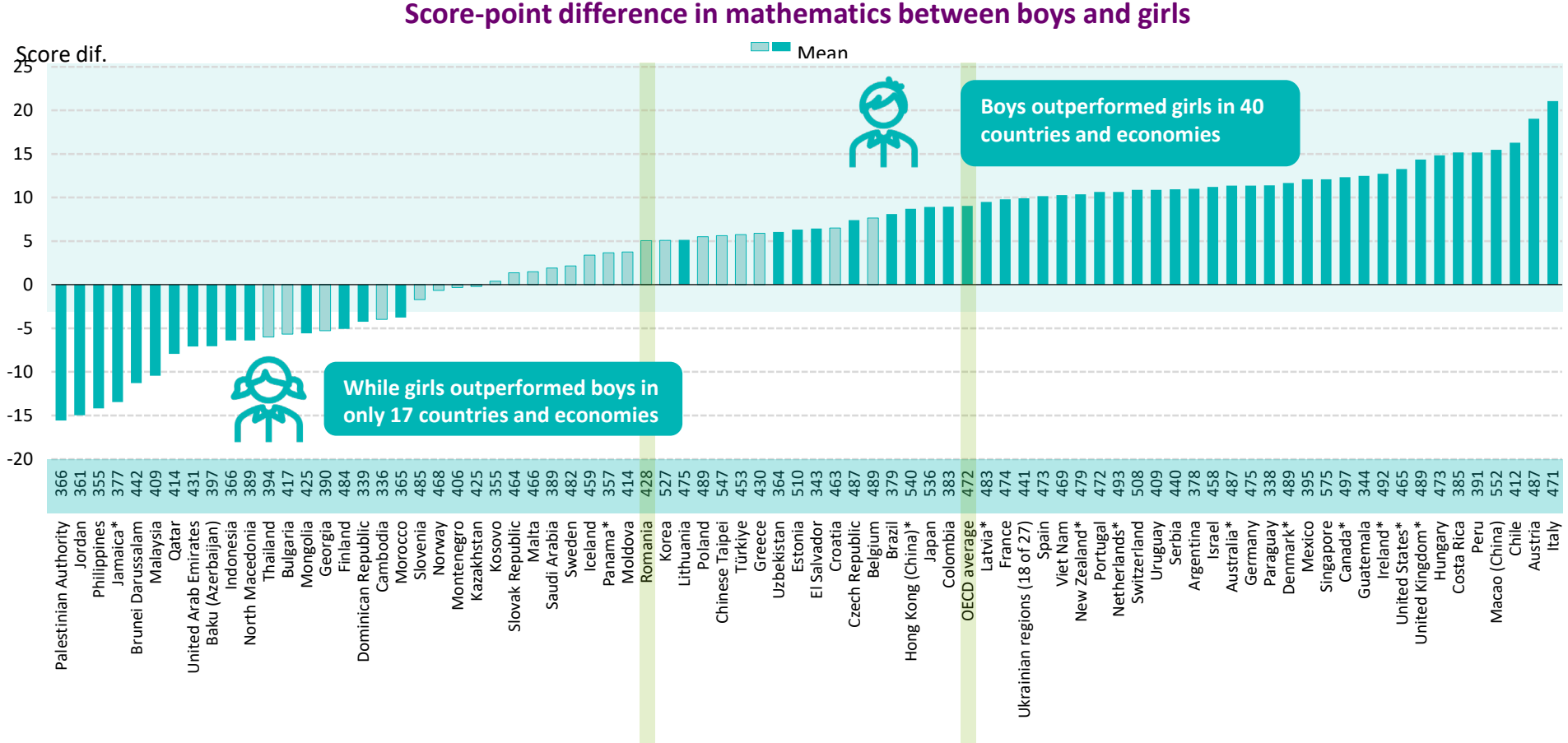
Strength of socio-economic gradient and mathematics performance

Figure I.4.2



On average across the OECD boys outperformed girls in mathematics by 9 points

Figure I.4.7



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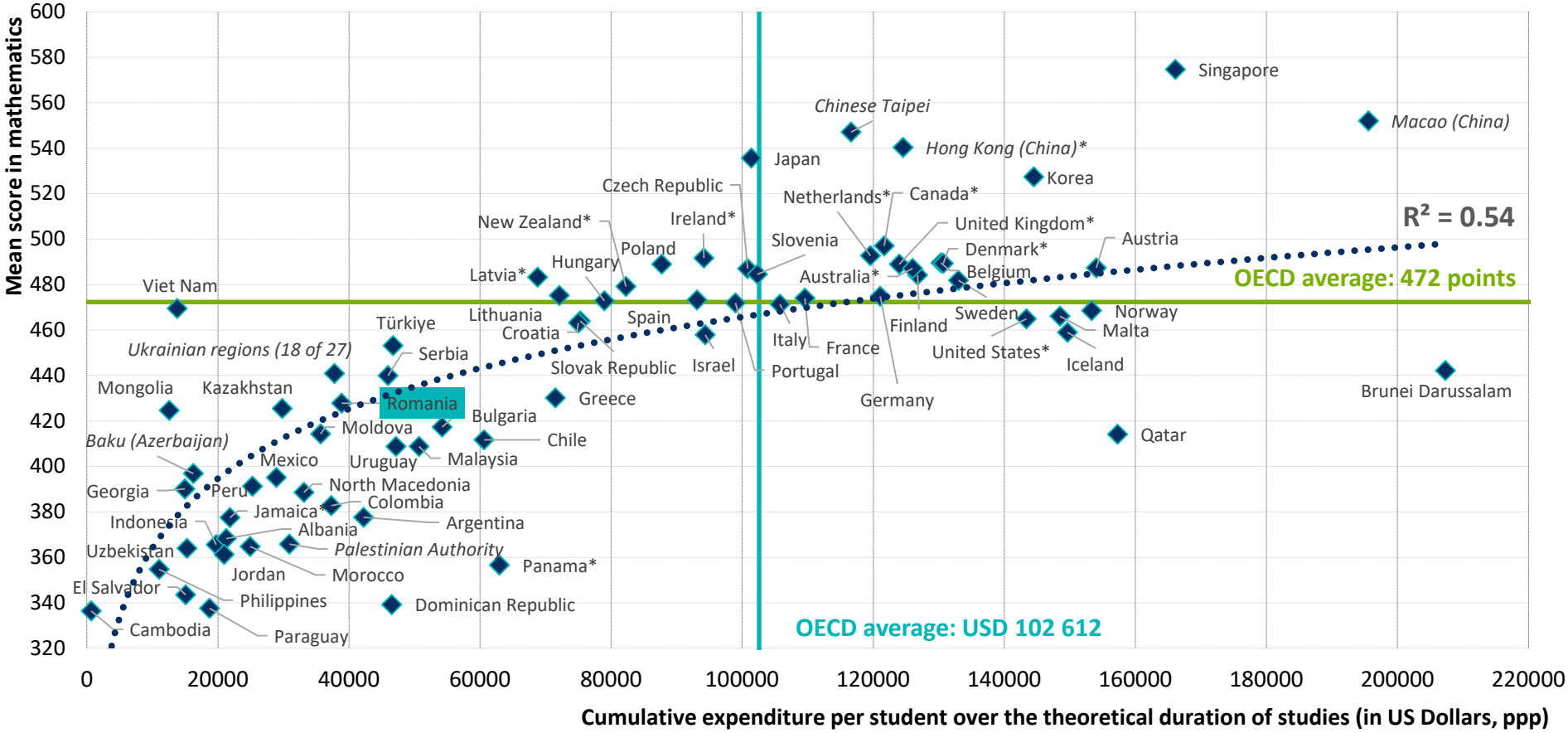
Using resources effectively

Money matters up to a point

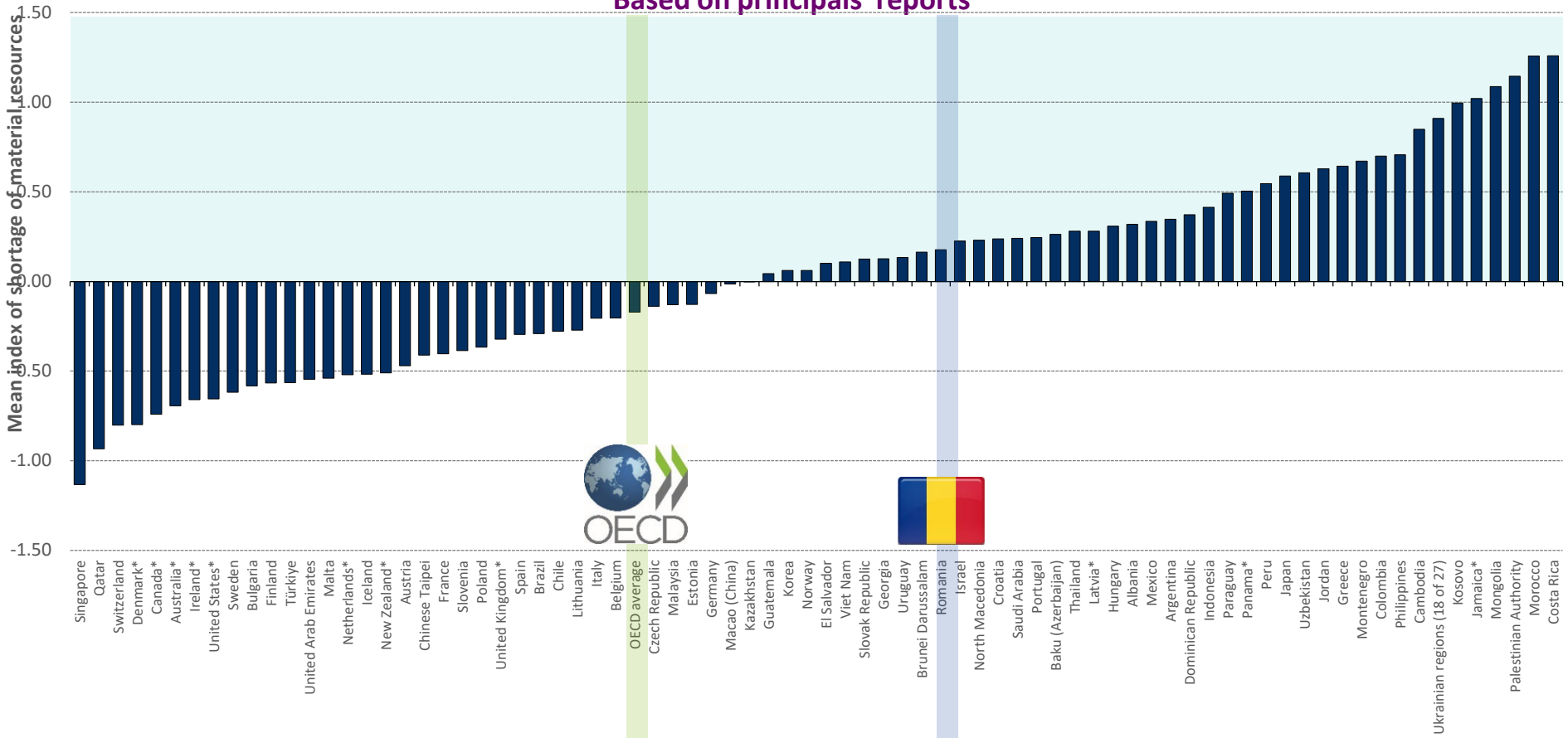
Money is necessary but not sufficient

Figure I.4.15



Shortage of material resources

Figure II.5.7



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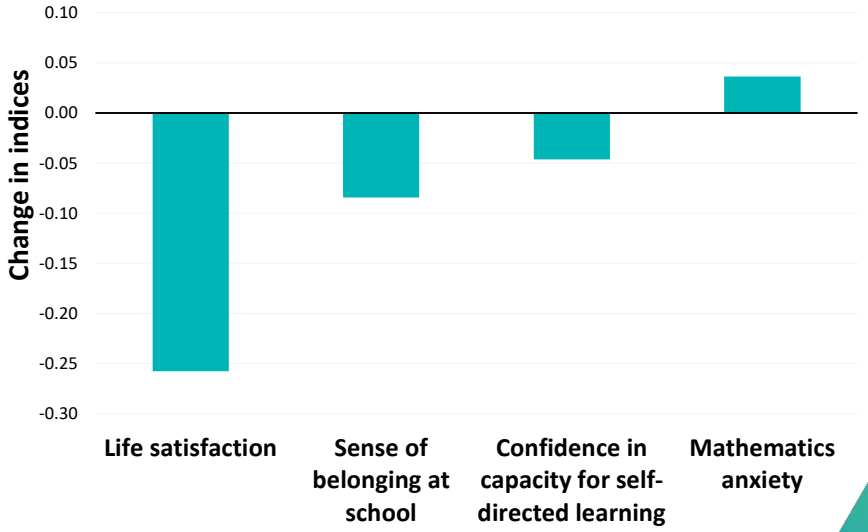
Student voice

Safety at school

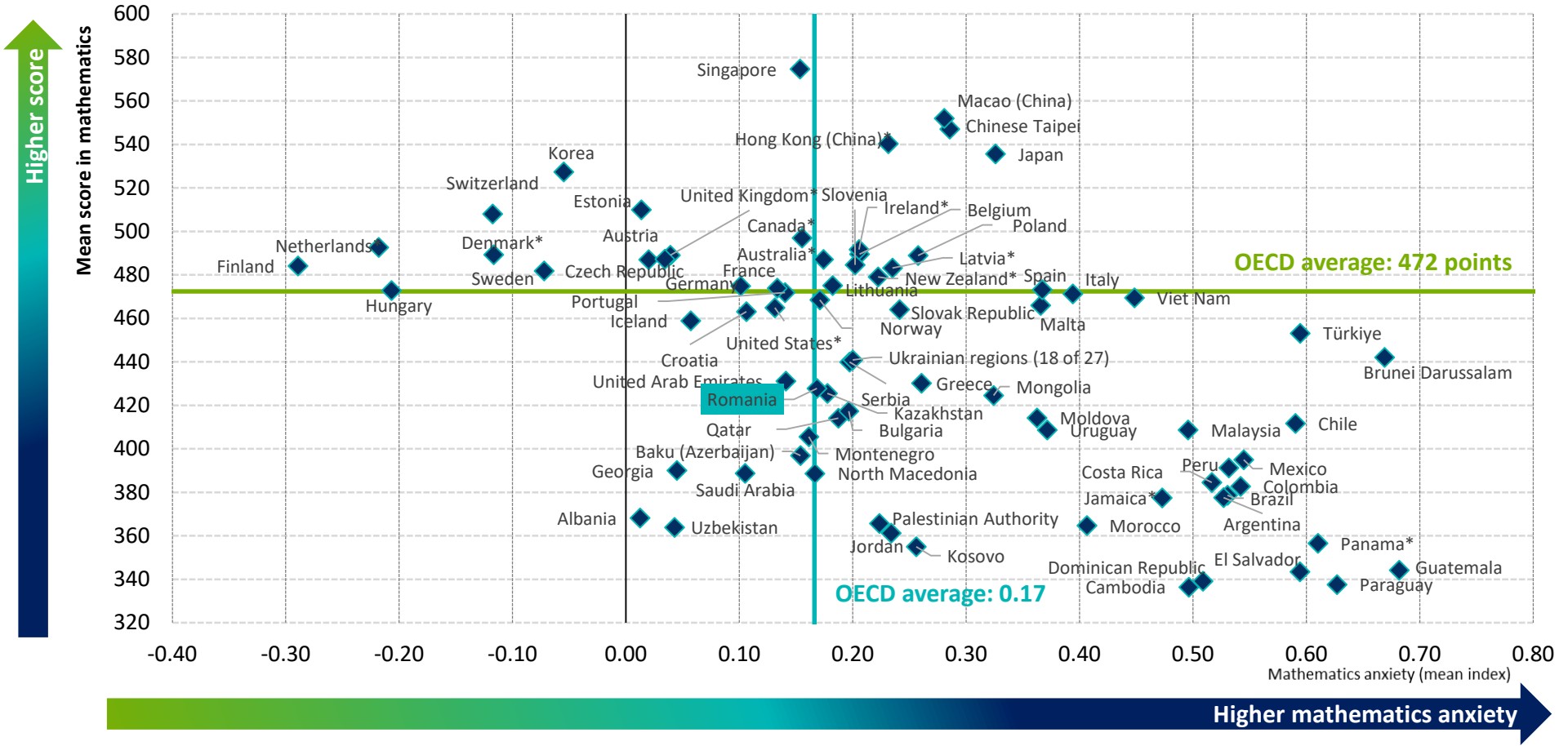
School safety risks and student well-being

Change in the following indices per one-unit increase in the index of school safety risks - OECD average



Mathematics anxiety and mean score in mathematics in PISA 2022

Figure I.2.1



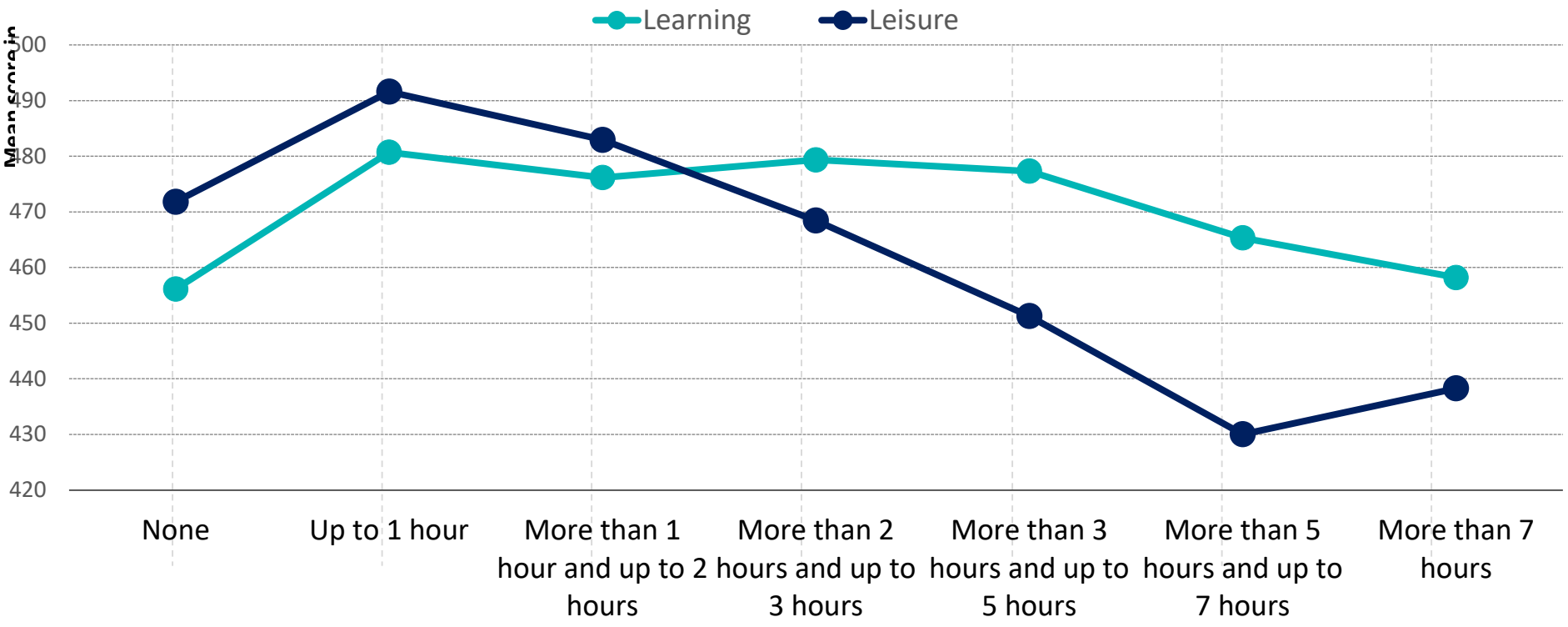
Revolutionising learning?

Unlocking the potential of the digital world

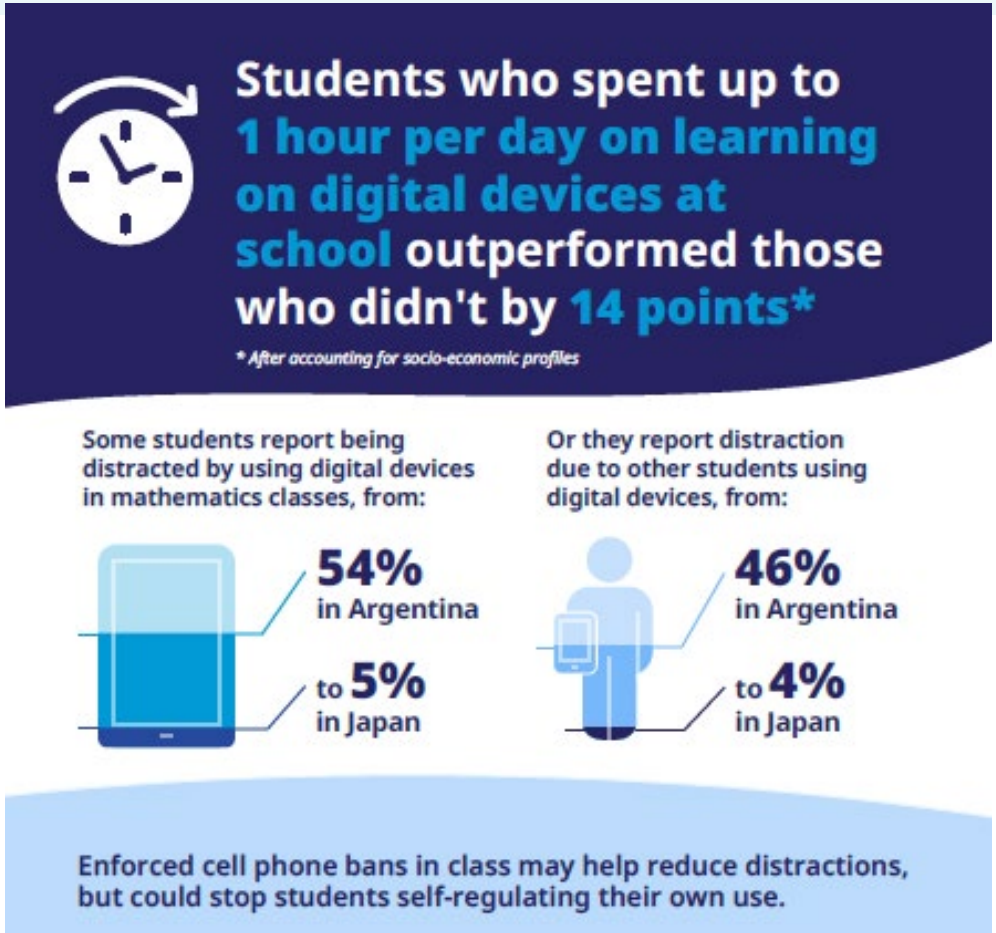
Time spent on digital devices at school and mathematics performance

Figure II.5.14

Based on students' reports; OECD average



Students in the digital world



When fast gets really fast, being slow to adapt can make education really slow

The past		The future
Routine cognitive skills	**Curriculum, instruction and assessment**	Complex ways of thinking and working
Some students learn at high levels	**Student inclusion**	**All** students learn at high levels
Standardisation and compliance	**Role of teachers**	High-level professional knowledge workers
‘Tayloristic’, industrial	**Work organisation**	Flat, collegial, entrepreneurial
Primarily to authorities	**Accountability**	Primarily to peers and stakeholders

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Find out more about our work at www.oecd.org/pisa

PISA main reports

PISA Country notes

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Take the test: bit.ly/PISA-Test
PISA FAQs: www.oecd.org/pisa/pisafaq
PISA Data Explorer: www.oecd.org/pisa/data