

Achieving quality and equity in education -International evidence for Brazil

International Best Practices in Secondary Education
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Outline

- How does Brazil compare in the quality of learning outcomes?
- How equitable are learning outcomes?
- What policies and features are associated with higher student performance?

Sources of evidence

- "Education at a Glance" - annual publication of internationally comparable indicators
- PISA- Programme for International Student Assessment
 - 15 year old students assessed in reading, mathematics and science across over 50 countries
 - 1st assessment in 2000, then in 2003, 2006....
- TALIS- Teaching and Learning International Survey
 - "Creating effective teaching and learning environments" (published June 2009)

PISA

A three-yearly global assessment that...

... examines the performance of 15-year-olds in key subject areas as well as a wider range of educational outcomes

- Including students attitudes to learning, their beliefs about themselves, and their learning strategies

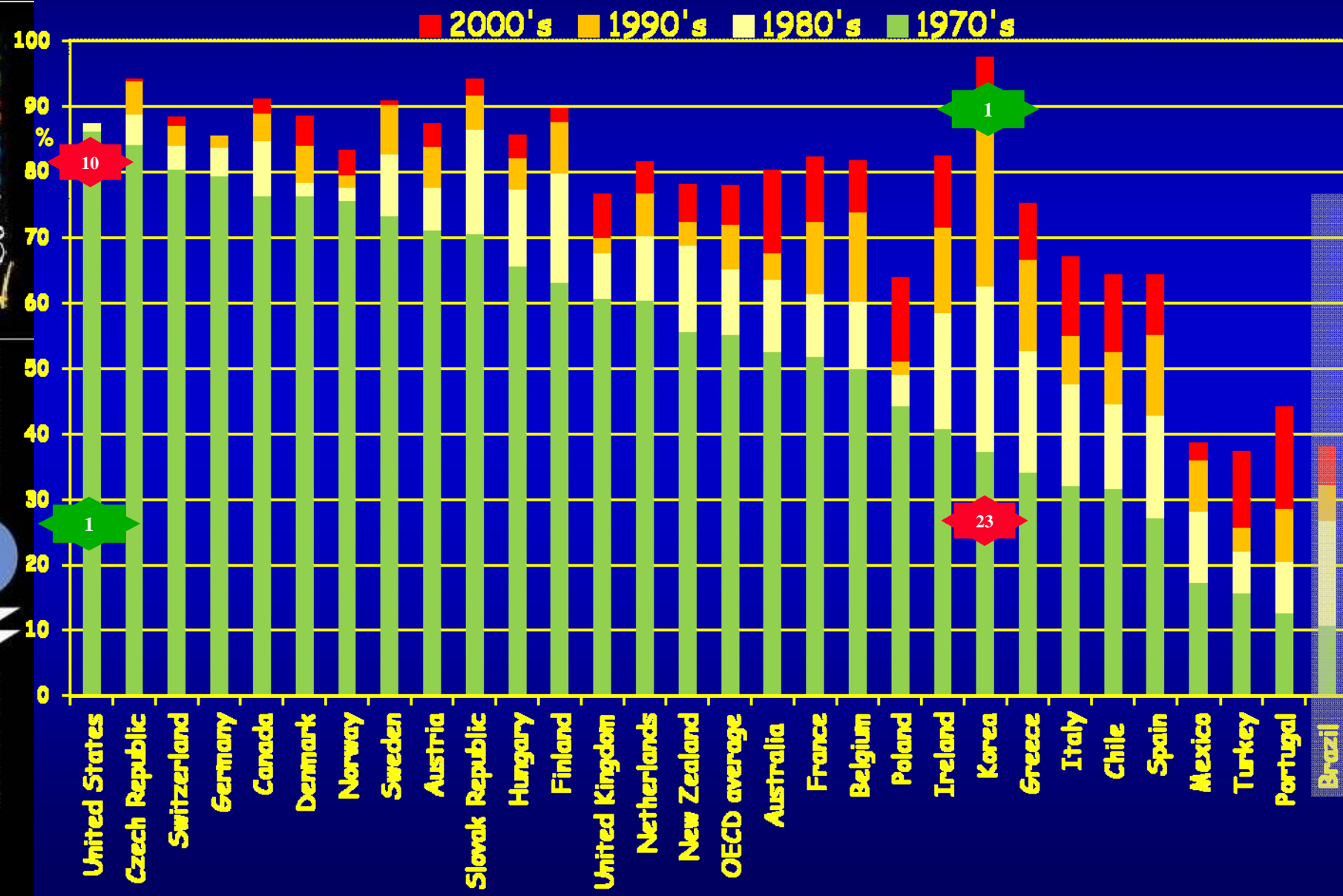
... collects contextual data from students schools, parents and systems to identify policy levers

Coverage

- Representative samples of between 3,500 and 50,000 15-year-old students drawn in each country
- Total of 400,000 students.
- Most federal countries also draw regional samples
- PISA covers roughly 90% of the world economy .

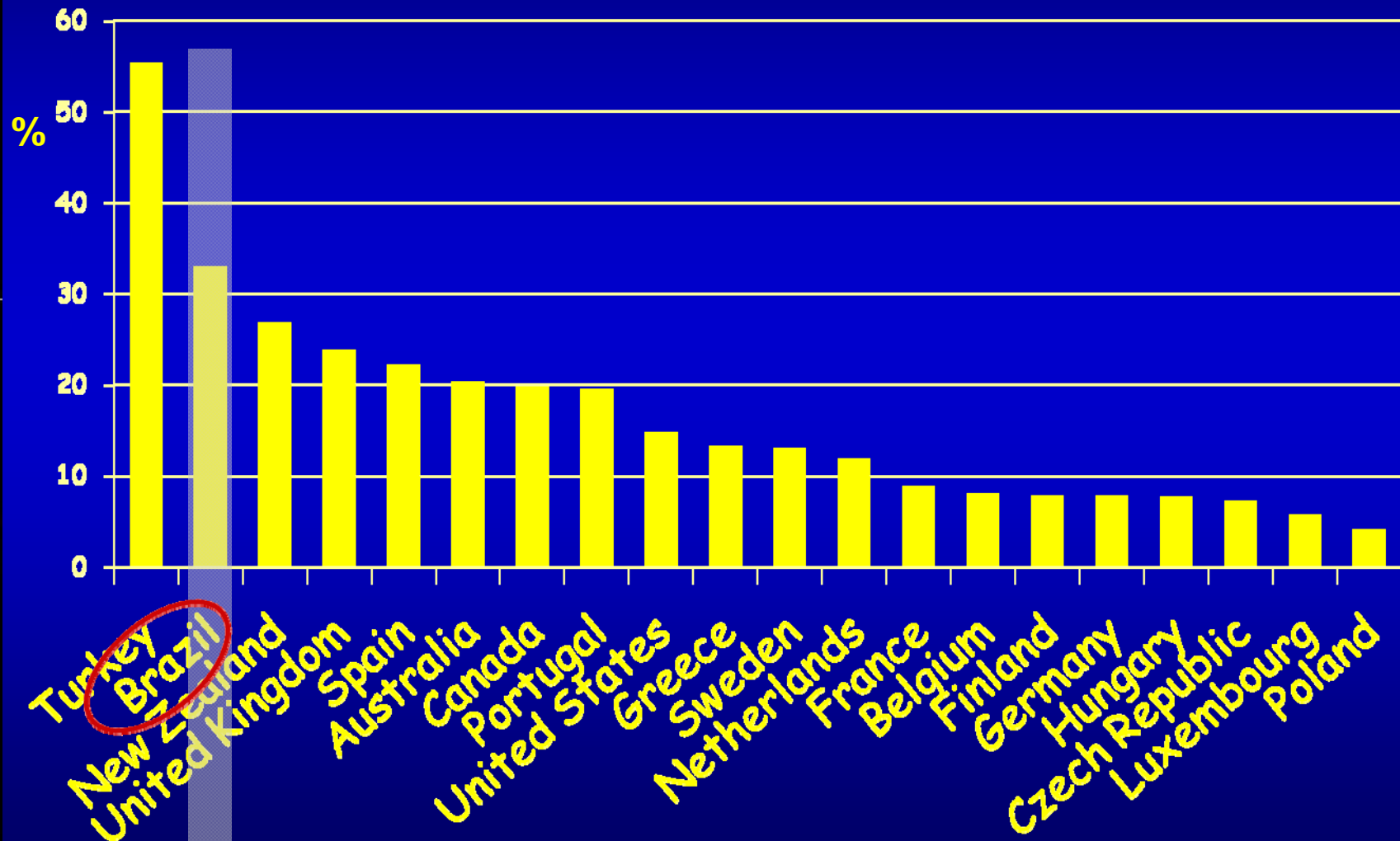
Some context- trends in the global skill supply

School completion A world of change in the global skill supply



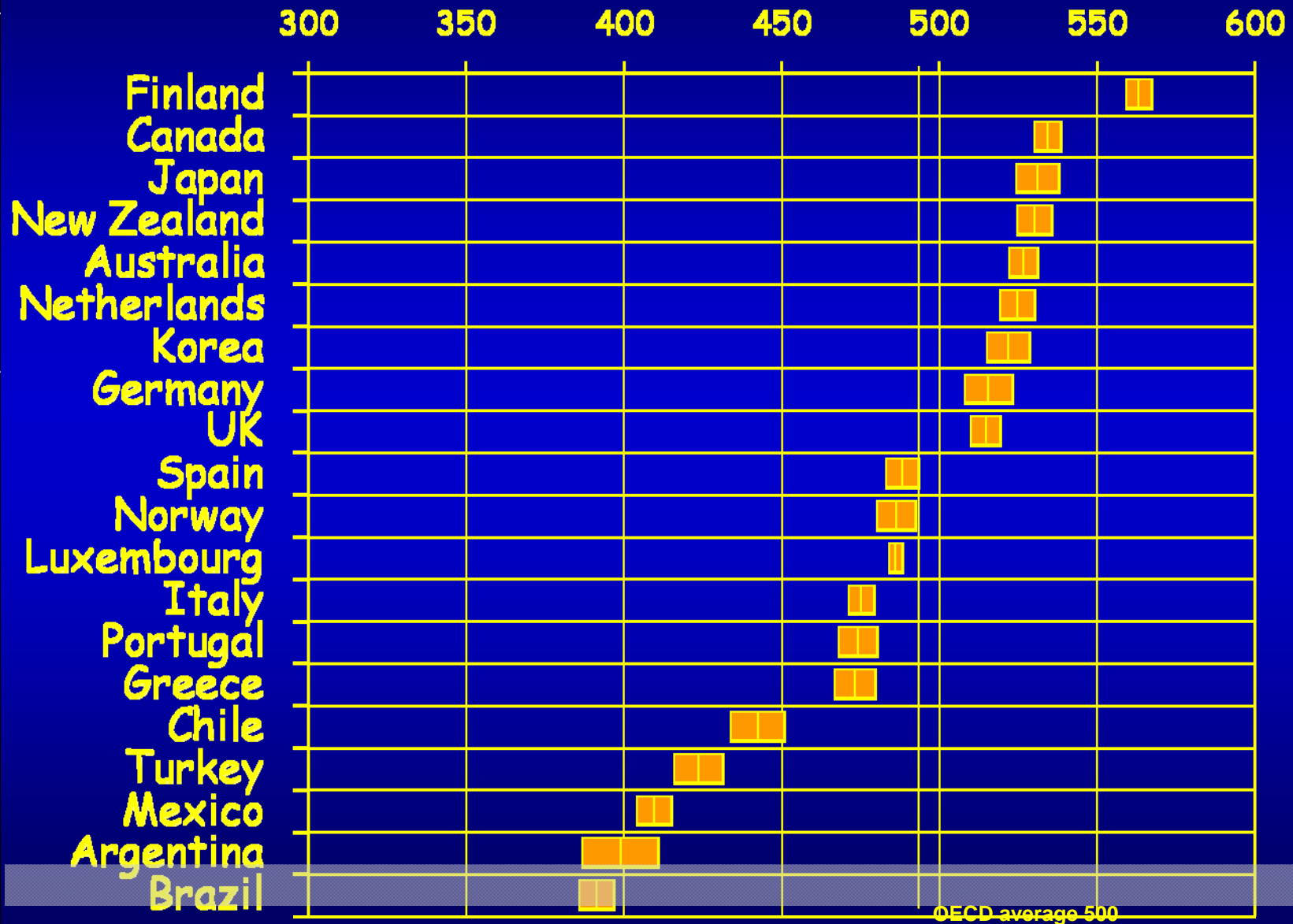
And in Brazil, early drop out from education is relatively high

Percentage of 15-19 year olds not in formal education (2007)

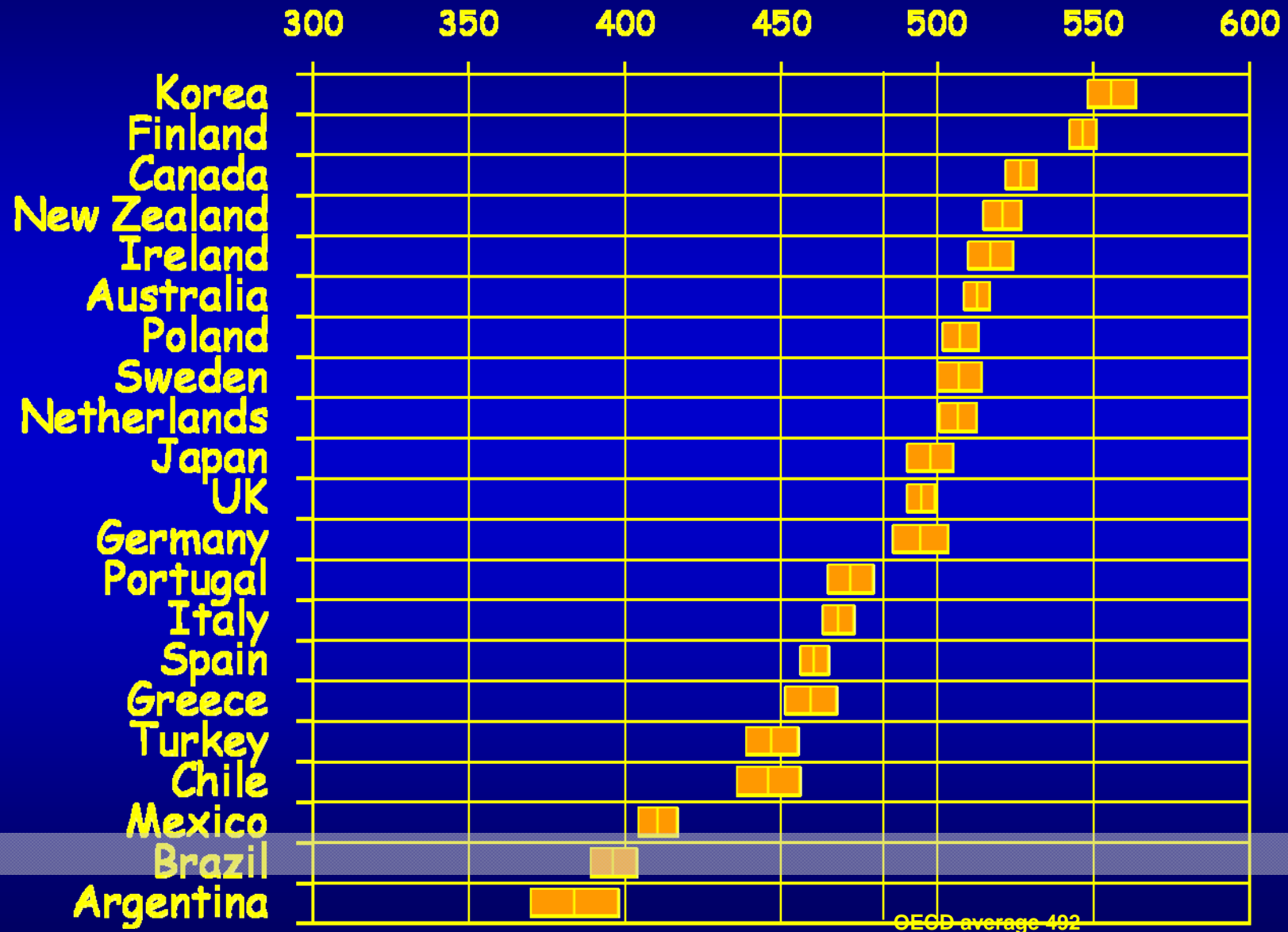


Quality in learning outcomes

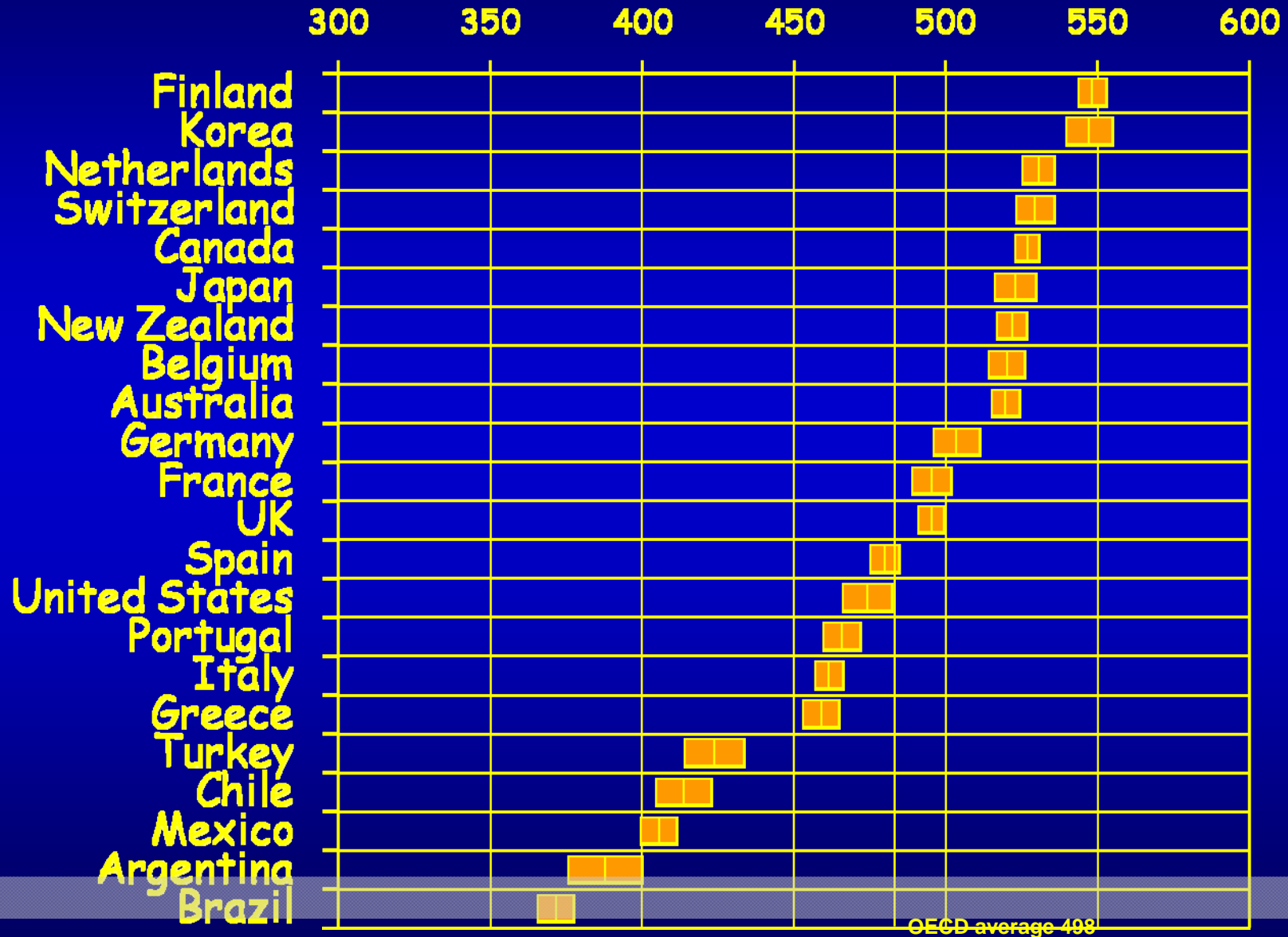
Mean science scores - OECD countries



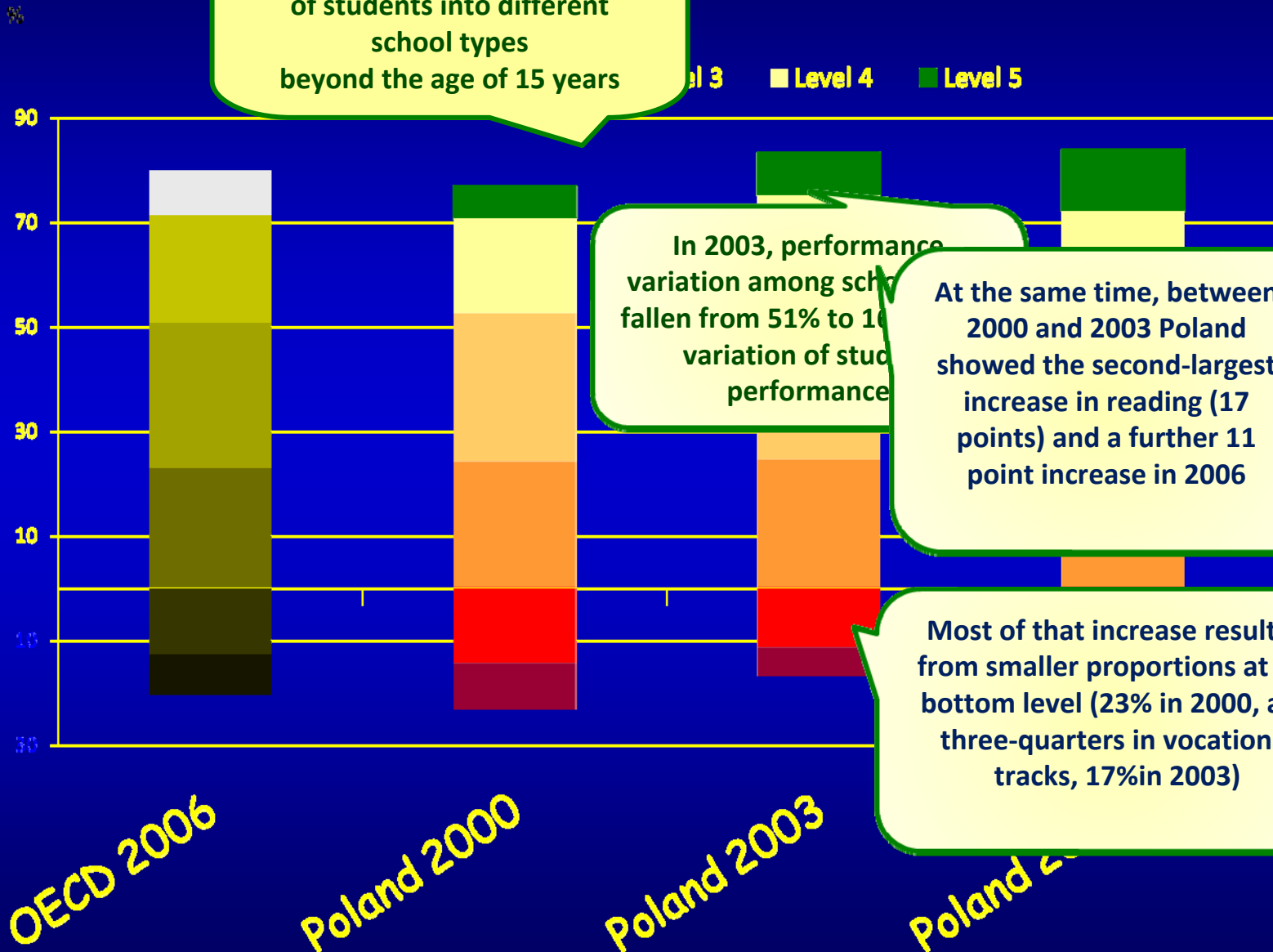
Mean reading scores - OECD countries



Mean mathematics scores - OECD countries

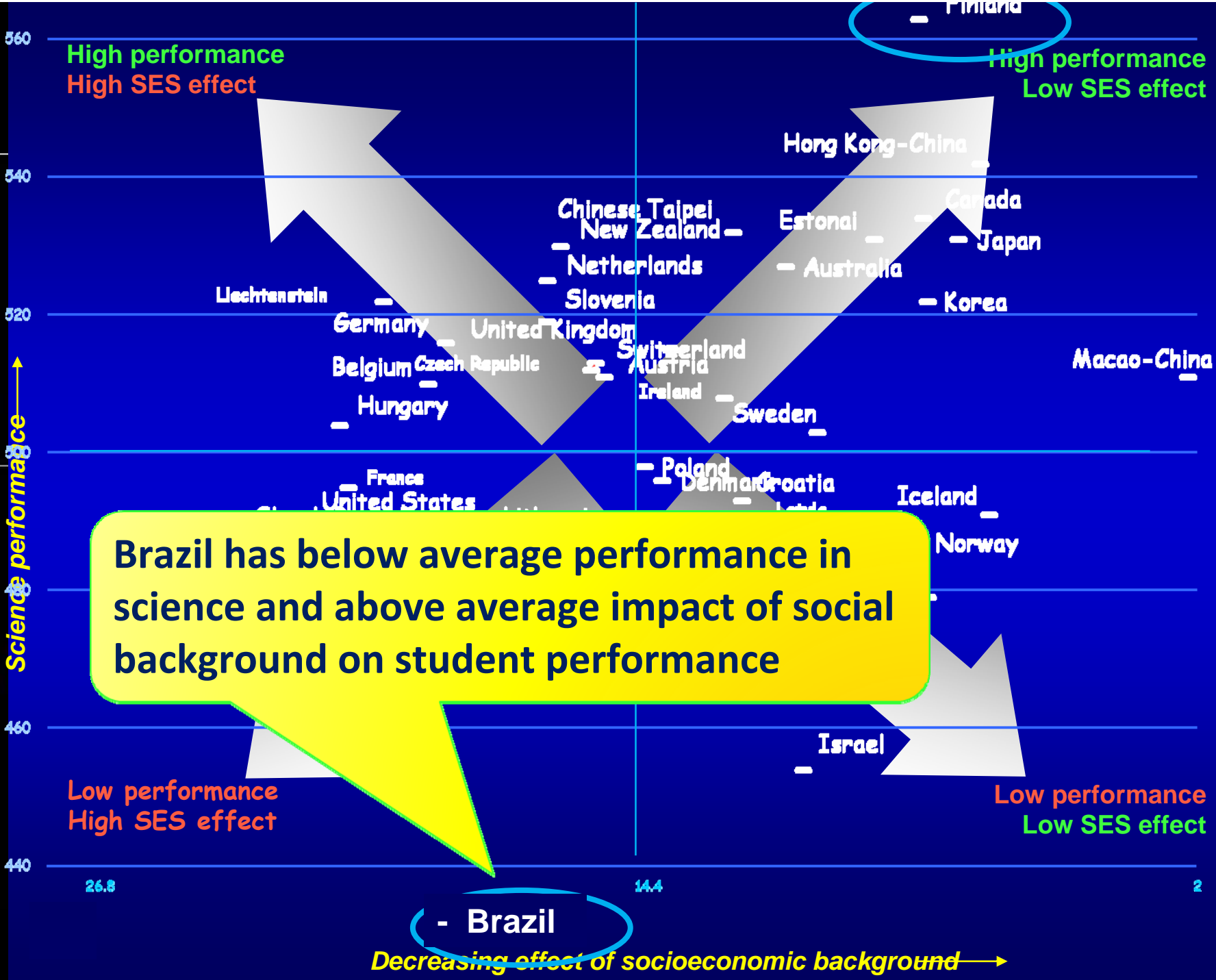


From 2000 to 2006, Poland's PISA reading performance improved 28 points



How equitable are student outcomes?

- Socio-economic background
- Differences between school
 - Gender



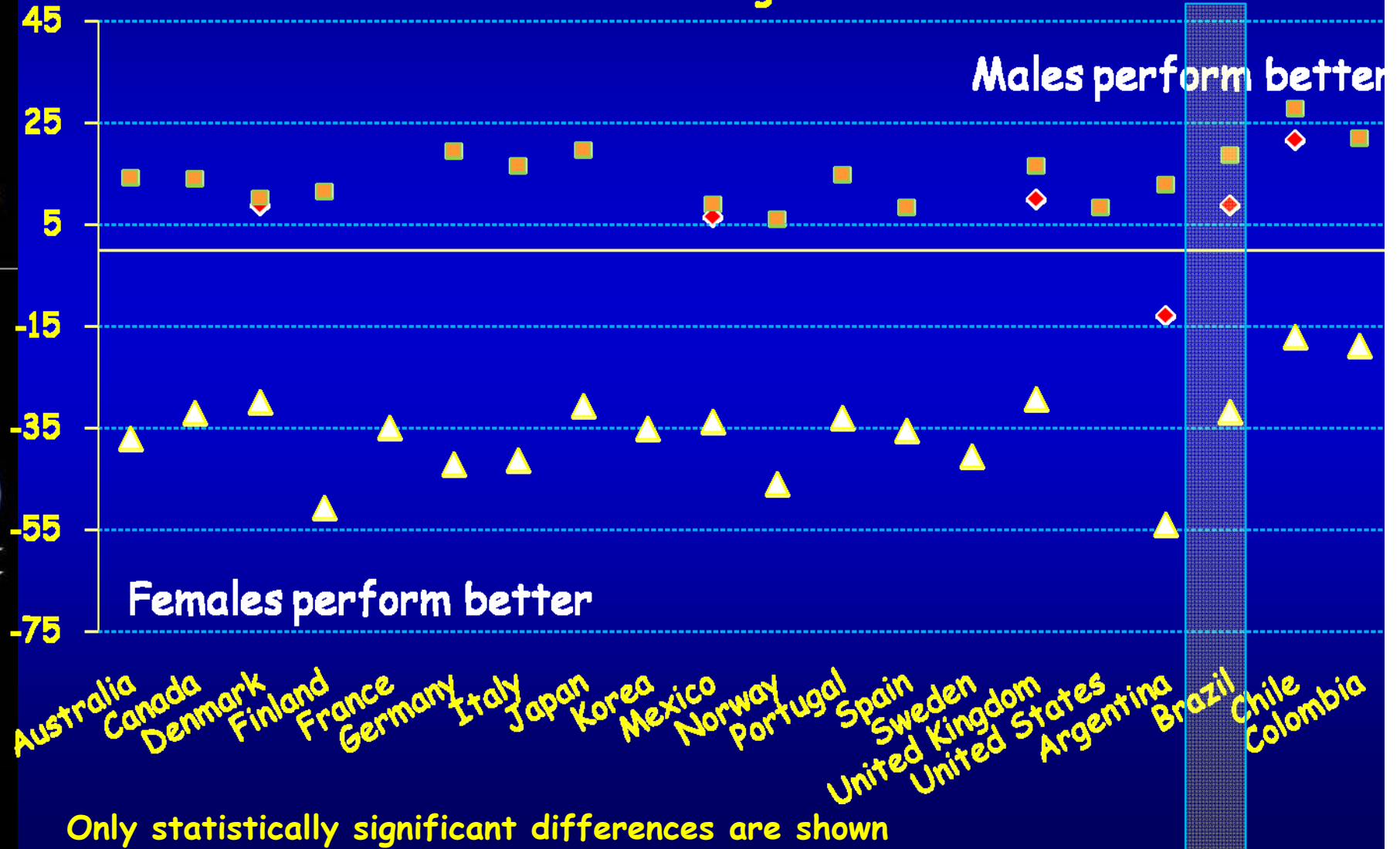
Brazil has below average performance in science and above average impact of social background on student performance

- Brazil
Decreasing effect of socioeconomic background →

Gender patterns in Brazil similar to other countries

Score point difference (males - females) in...

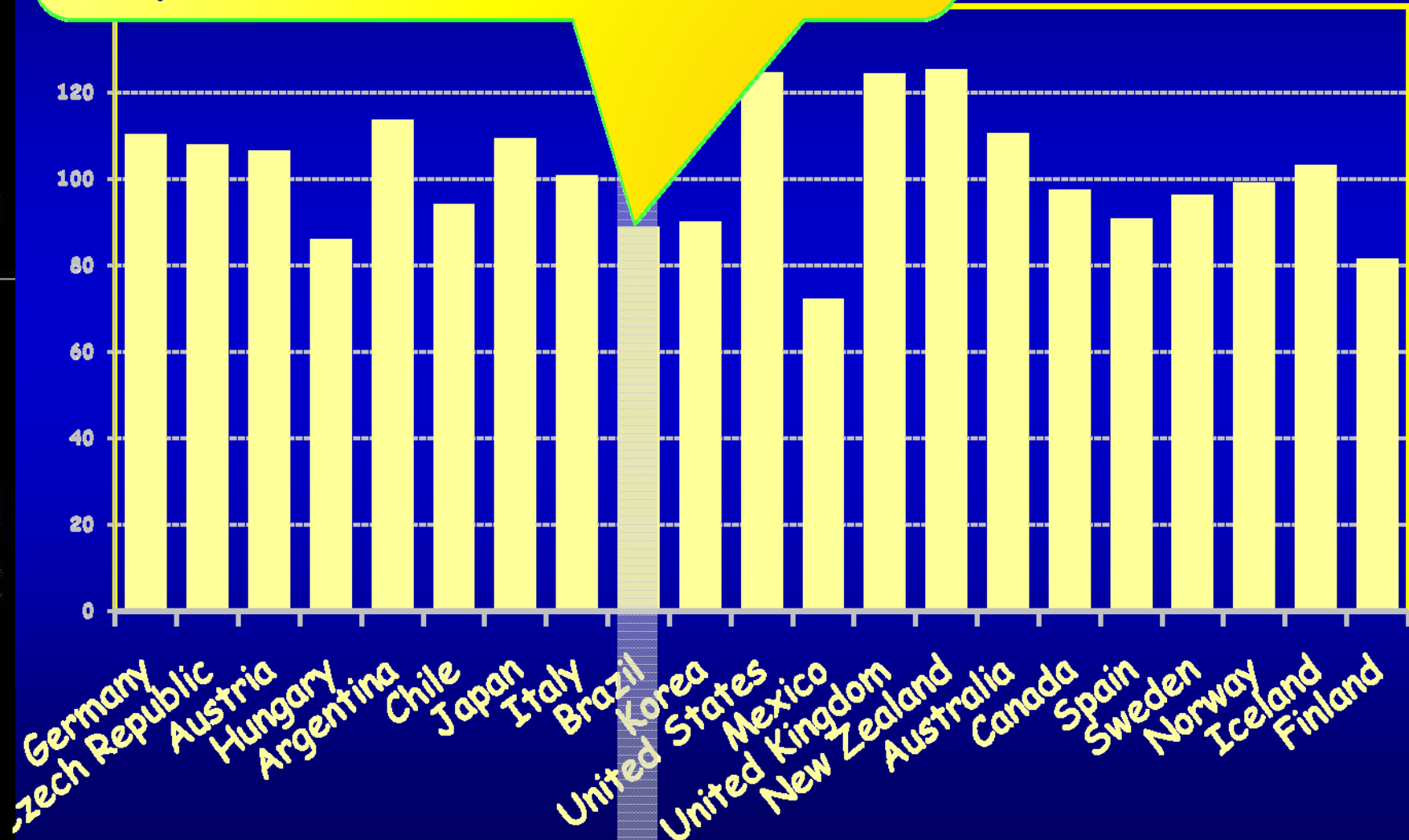
◆ Science ■ Mathematics ▲ Reading



Equitable educational standards across schools

There is below average variation in student performance in Brazil compared with other countries

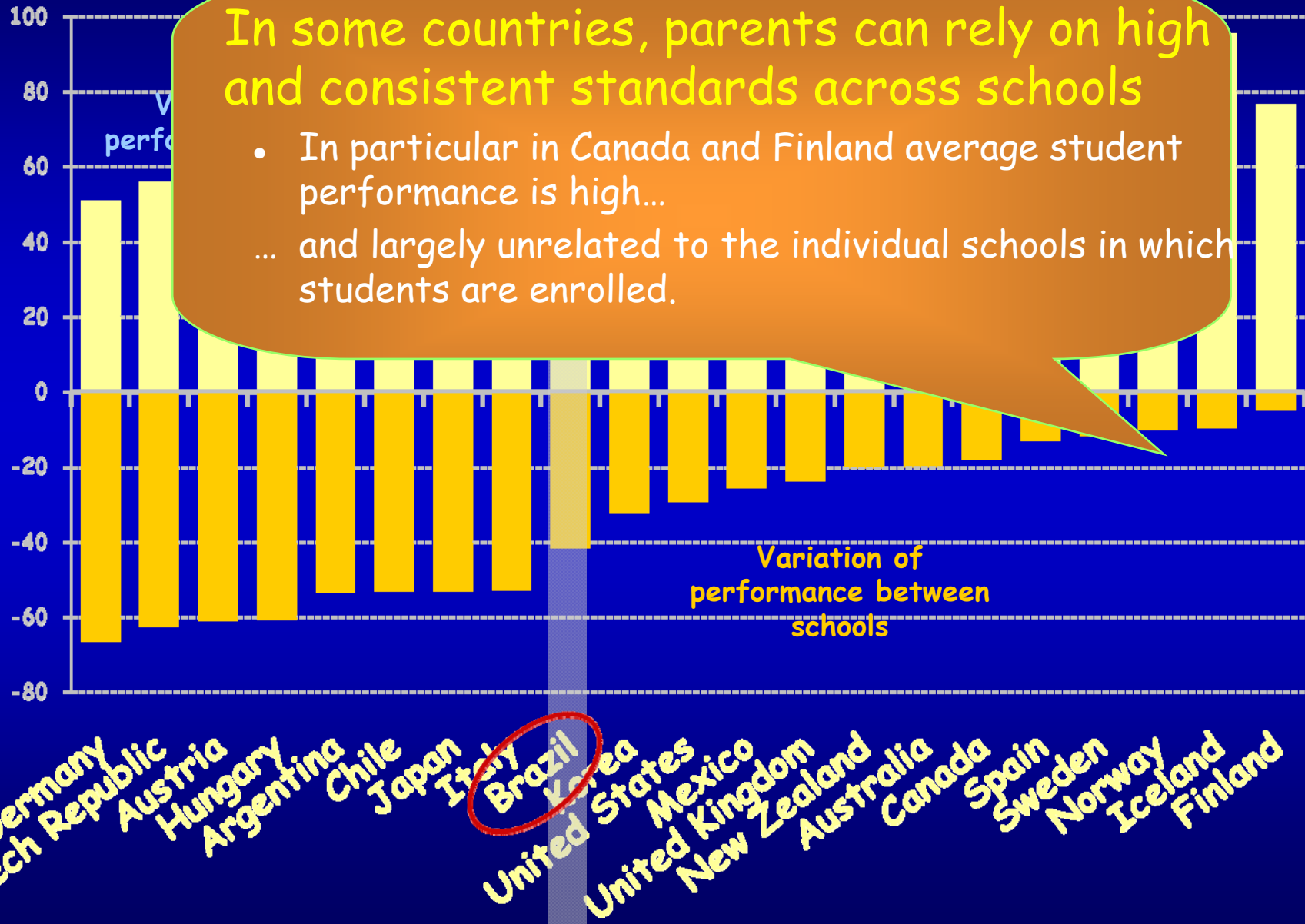
performance



Variation in student performance

In some countries, parents can rely on high and consistent standards across schools

- In particular in Canada and Finland average student performance is high...
... and largely unrelated to the individual schools in which students are enrolled.

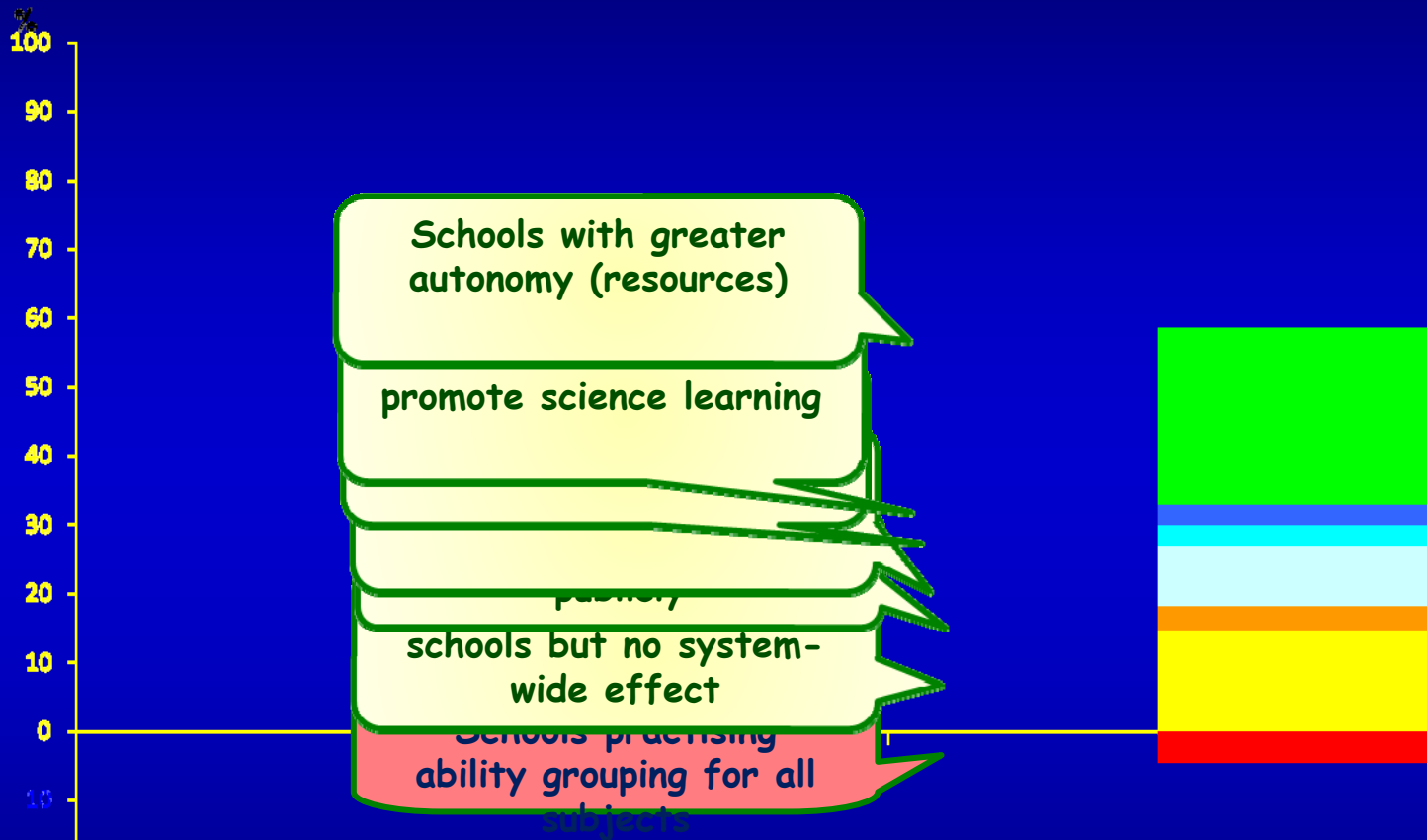


Some policy levers

Some school and system factors that make a difference

Impact of selected student and school factors on school performance

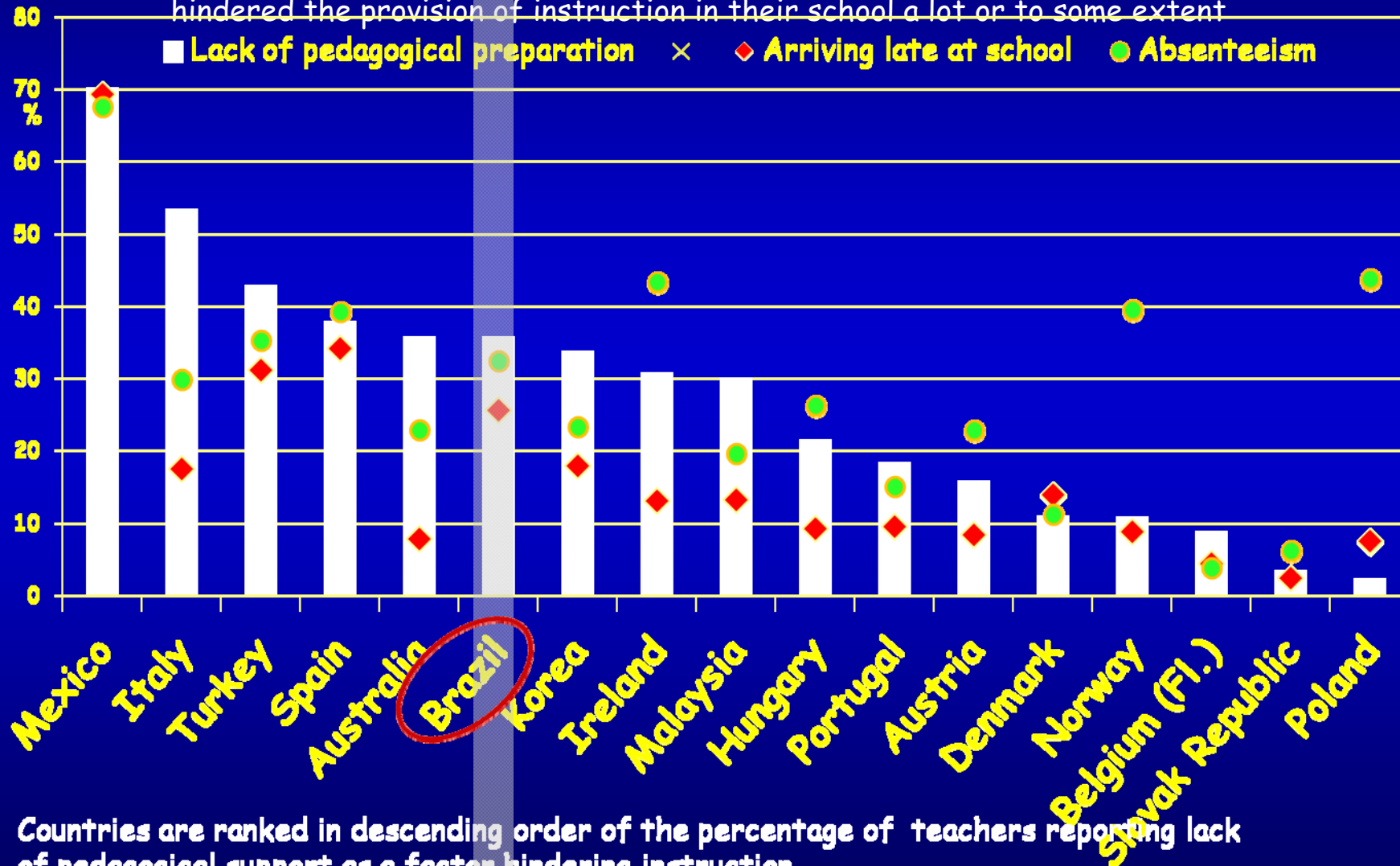
(after accounting for all other factors in the model)



Effect after accounting for the socio-economic background of students, schools and countries

Teacher related problems hindering teaching and learning

Percentage of teachers whose school principal reported that the following teacher behaviours hindered the provision of instruction in their school a lot or to some extent

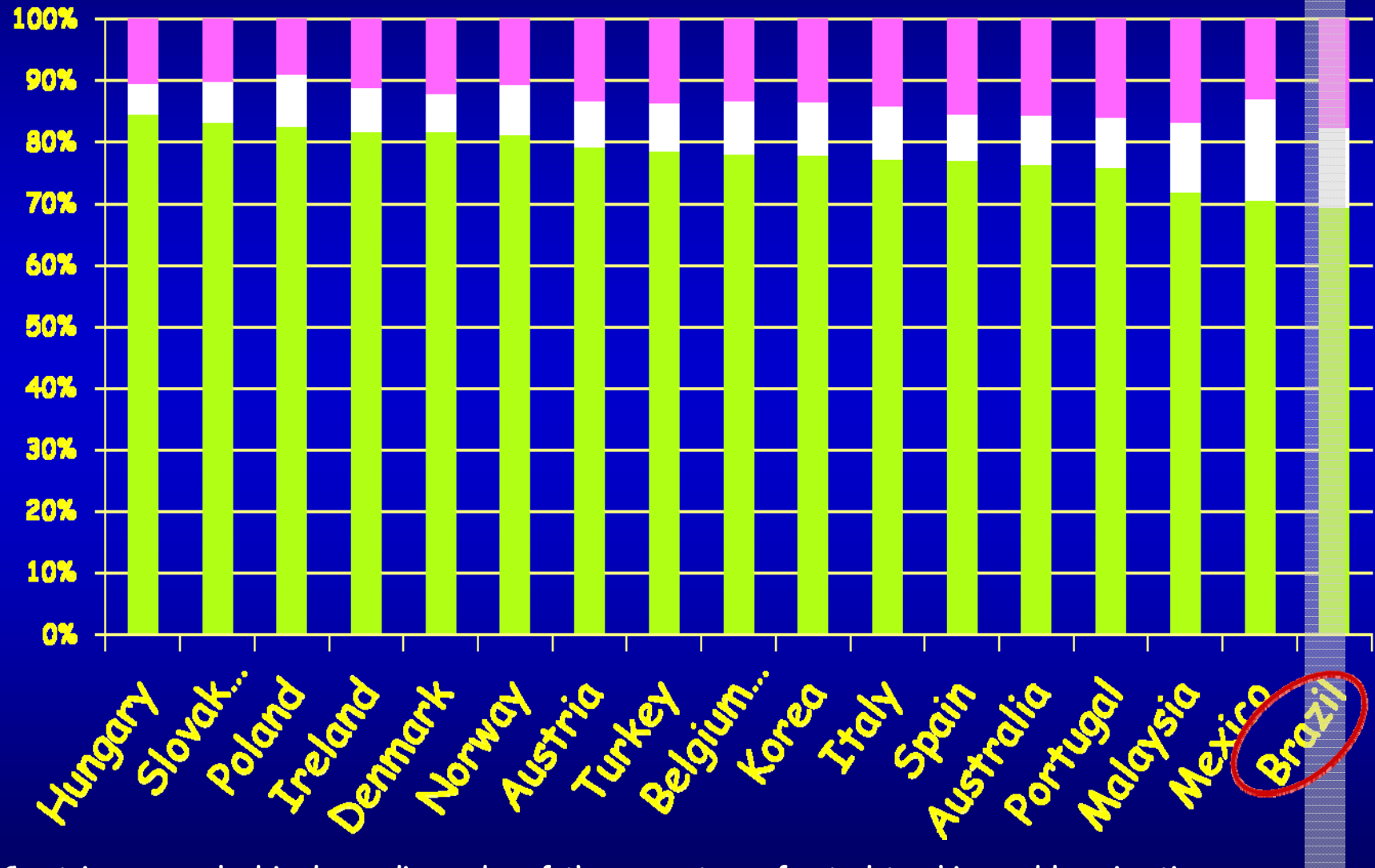


Countries are ranked in descending order of the percentage of teachers reporting lack of pedagogical support as a factor hindering instruction.

Source: OECD, Table 2.8.

Less effective lesson time in Brazil than in other countries

■ Keeping order in the classroom ■ Administrative tasks ■ Actual teaching and learning



Countries are ranked in descending order of the percentage of actual teaching and learning time.
Source: OECD, TALIS Database.

What does all this all show?

The global education world is changing

- Some countries are showing what is possible

High quality and high equity of student outcomes is achievable

- There does not need to be a trade-off

Some pointers to policies and practices that are associated with better student performance

- Not a single recipe for success but a basis for learning from others

Thank you for listening !

- www.oecd.org/edu/eag;
 - Education at a Glance
 - All comparative indicators on education
- www.pisa.oecd.org
 - All national and international publications
 - The complete micro-level database
- Michael.Davidson@OECD.org