

The Value of good data and
Information Systems in
Education: *their use for
better decision and
strengthening accountability
mechanisms*

World Bank Group

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Topics to discuss:

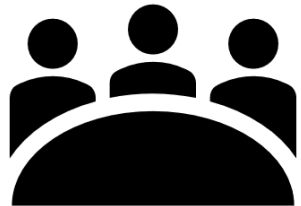
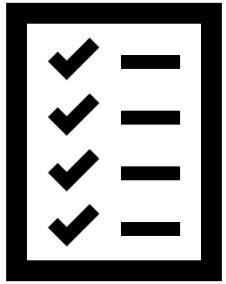
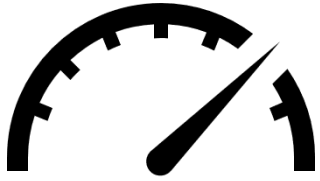
- Data and information systems in education
- Good data for better decisions
- The role of data in strengthening accountability mechanisms



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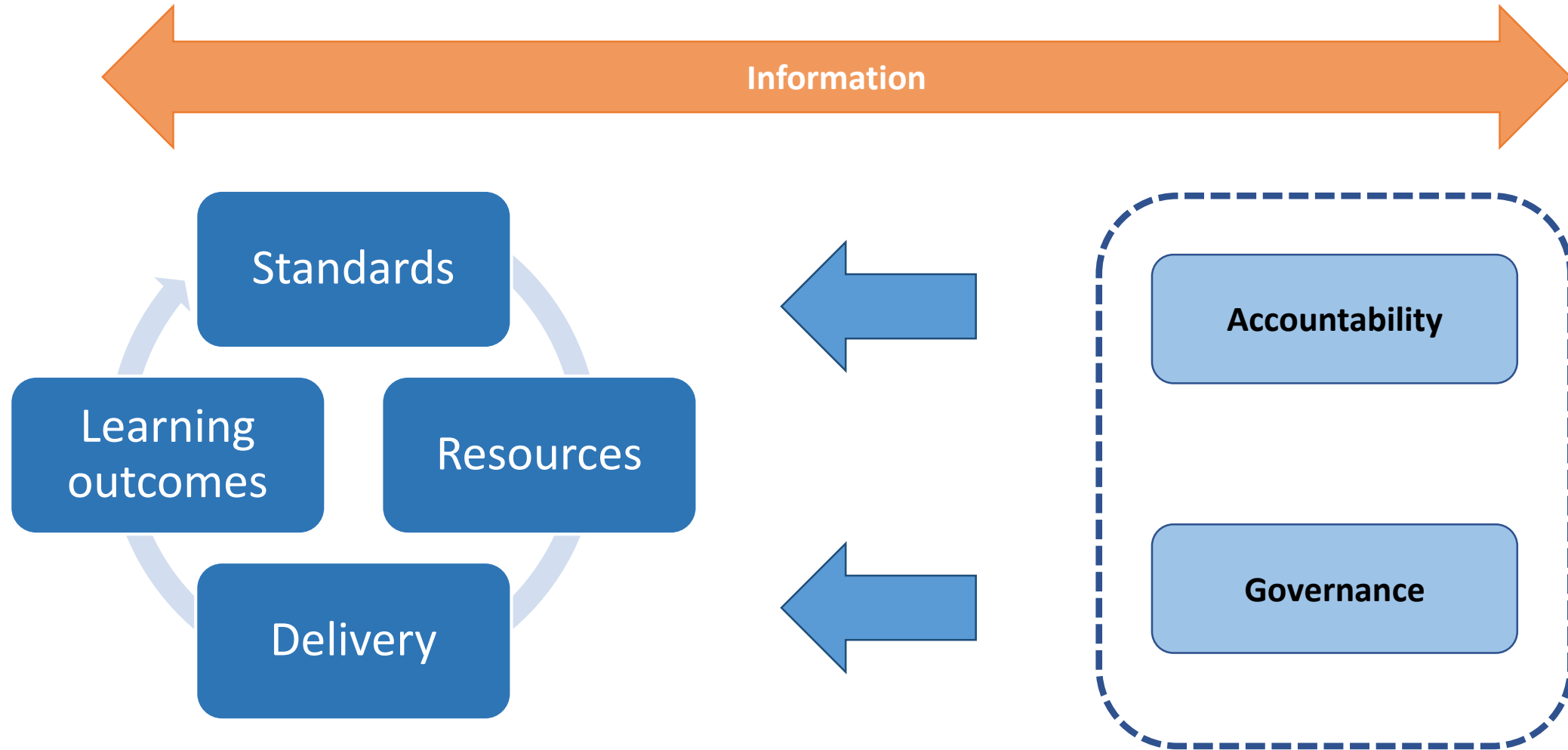




Information in the form of data is used to:

- Inform stakeholders;
- Guide the processes;
- Connect various stakeholders.

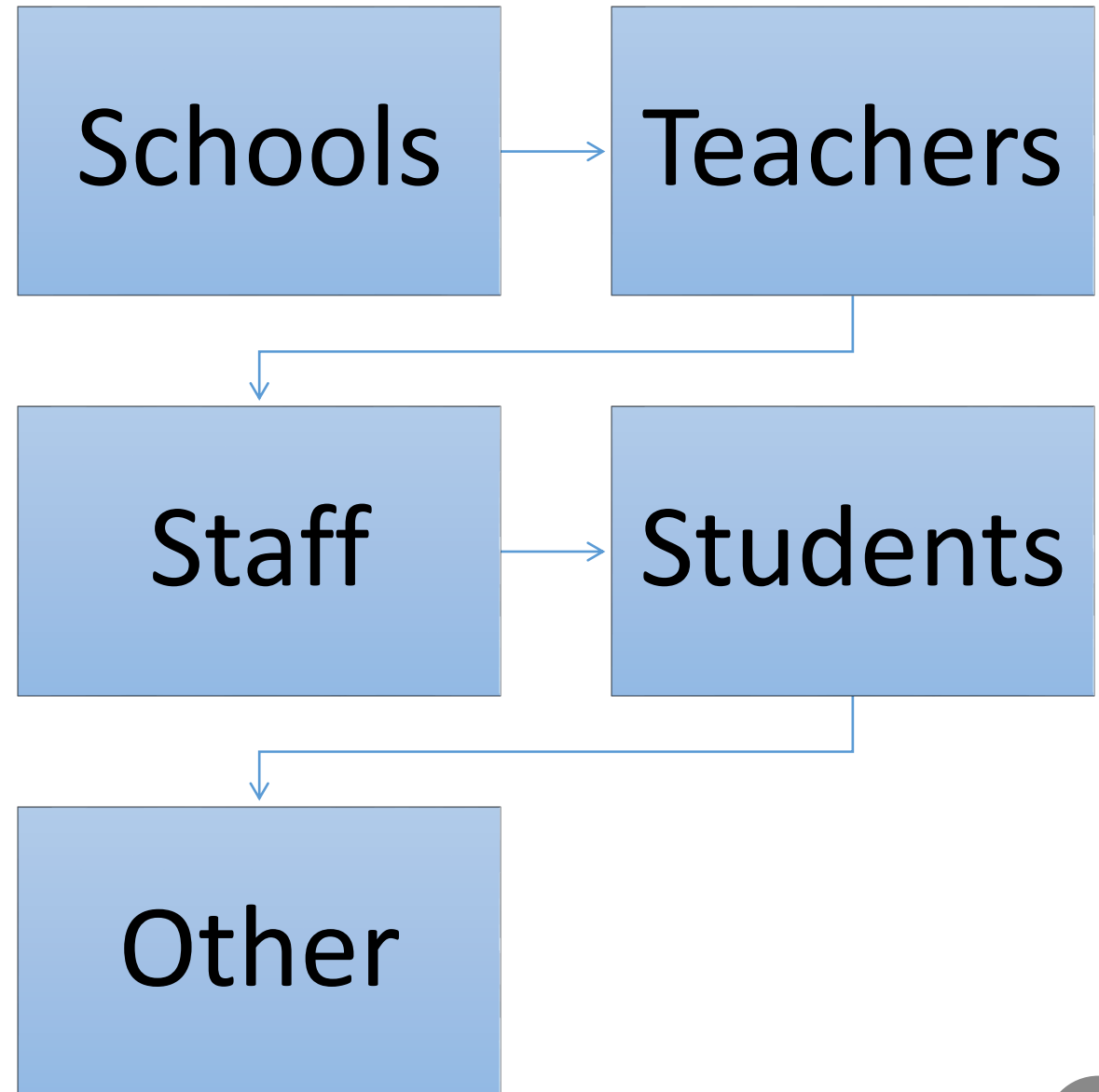
Adaptive education-delivery cycle in which information permeates the entire environment





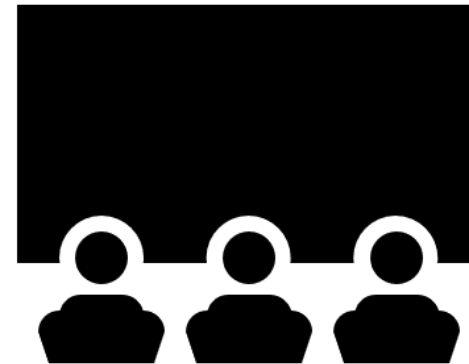
Education Management Information System (EMIS) is a repository for:

EMIS include
educational
information
on:



Current EMIS work in Belarus

- Disaggregate data on educational institutions;
- Disaggregate data on staff;
- Disaggregate data on pupils/students;
- Analytical tools, including for tracing study;
- Some other information.



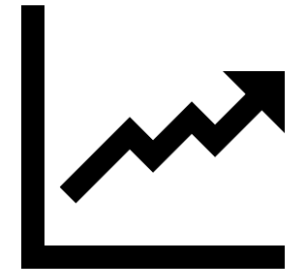
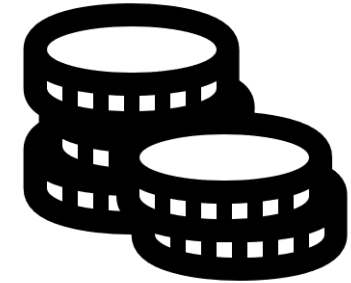
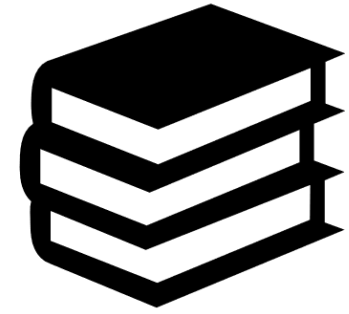
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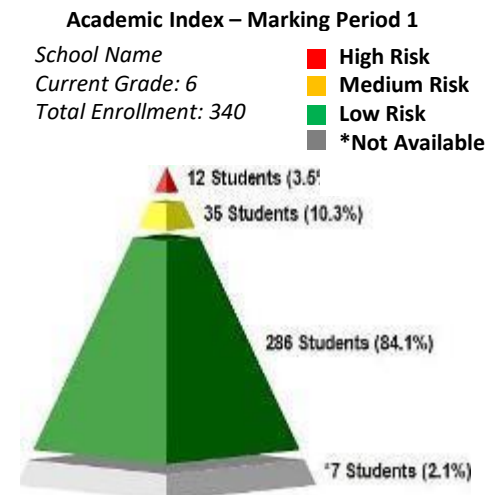
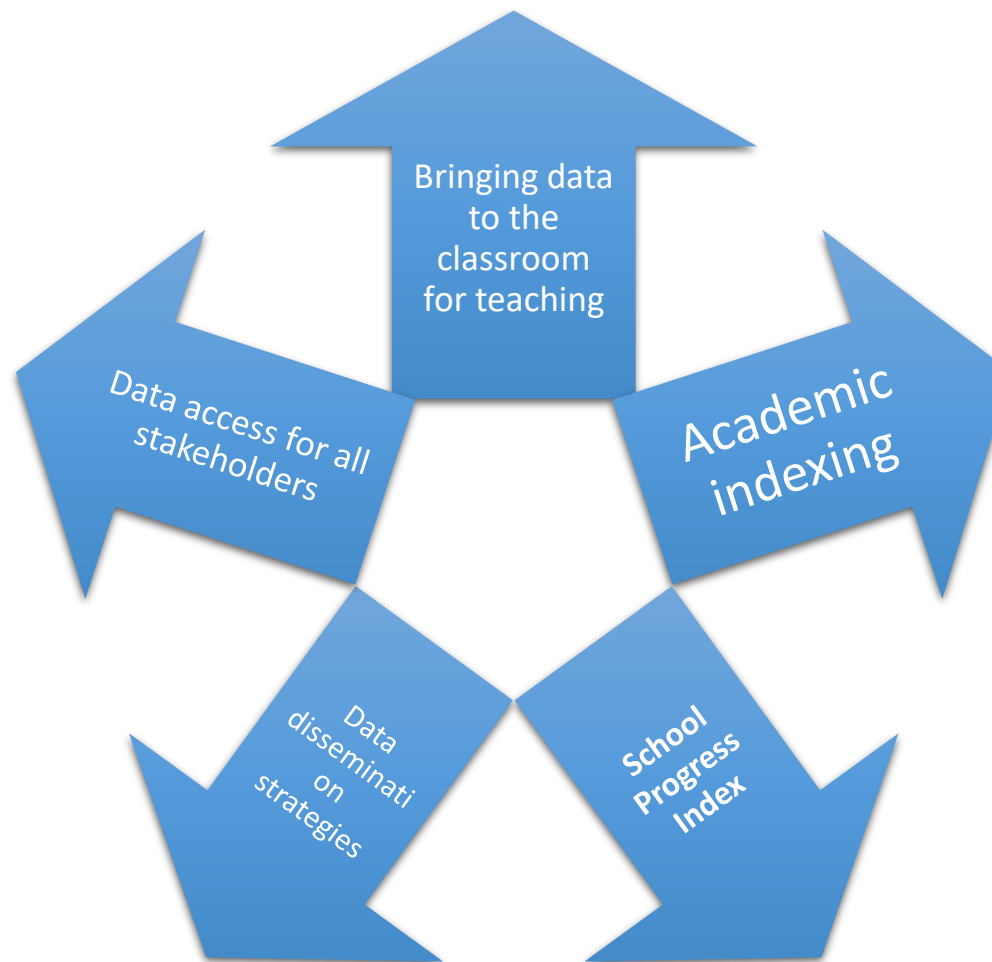


Opportunities for using EMIS data

- Improving high school graduation rates
- Accommodating the demand to schools network
- Making learning cost-effective and efficient



Assessments		
Grades (# of Ds or Fs)	0	0
Grades	1	1
Grades	2	2
Grades	3+	3
Discipline (Suspensions per school year)		
Suspensions	0	0
Suspensions	1	1
Suspensions	2-3	2
Suspensions	4+	3
Attendance (excused & unexcused)		
Absences	91%-100%	0
Absences	85%-90%	1
Absences	80%-84%	2
Absences	0-79%	3



Example: Maryland

Make

- schools comparable on a national basis

Empower

- all education stakeholders to utilize data

Improve

- access, transparency and accountability

Decrease

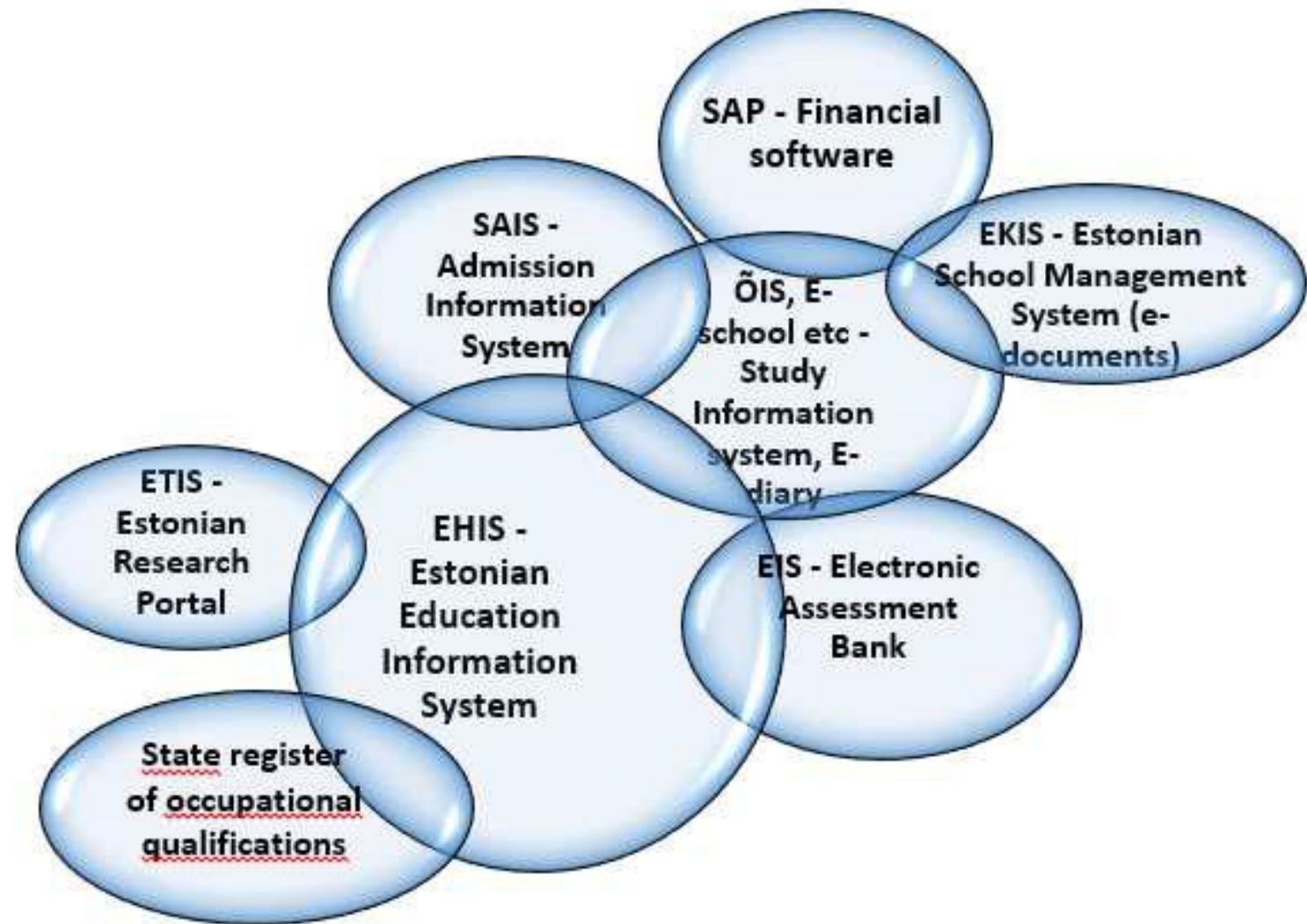
- in cost over time



Source: [My School website](https://myschool.edu.au/) 2017.

Example: Australia

Example: Estonia



Source: Estonian Ministry of Education and Research

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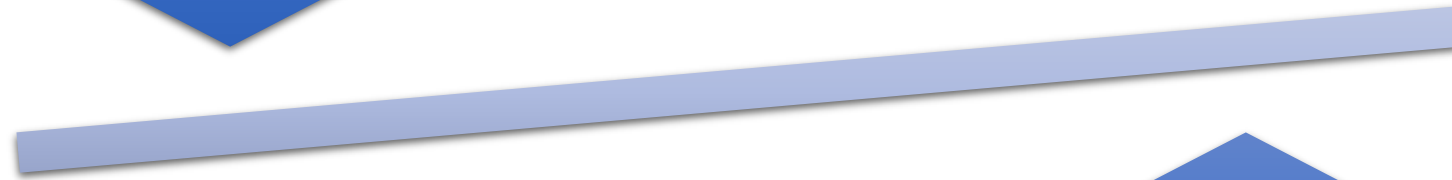
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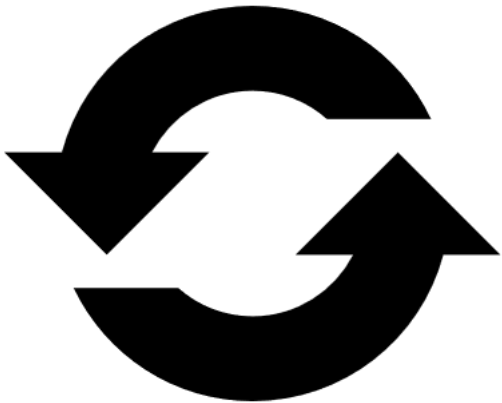
Bottom-up
approach



Top-down



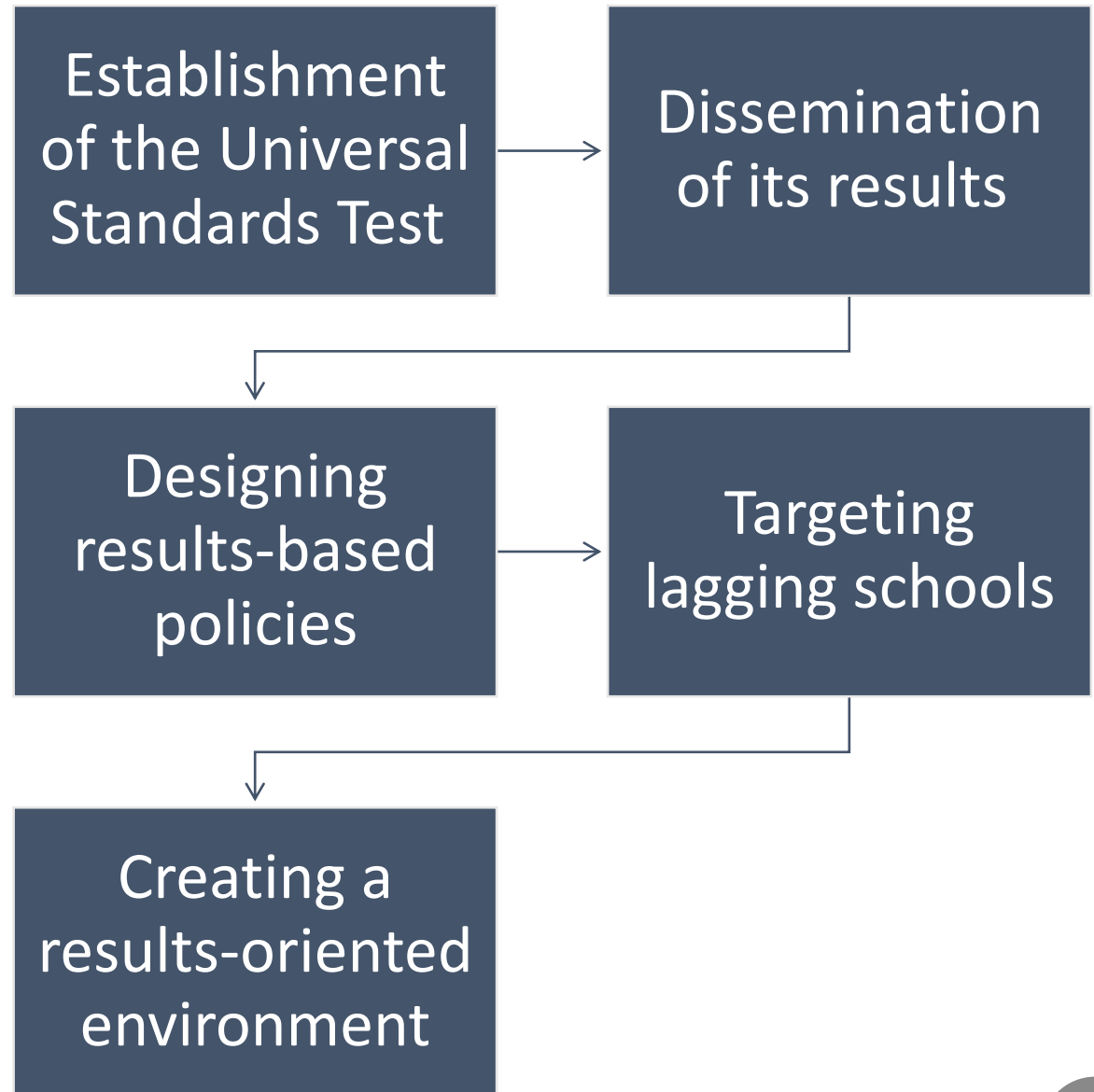
Approaches to successful changes



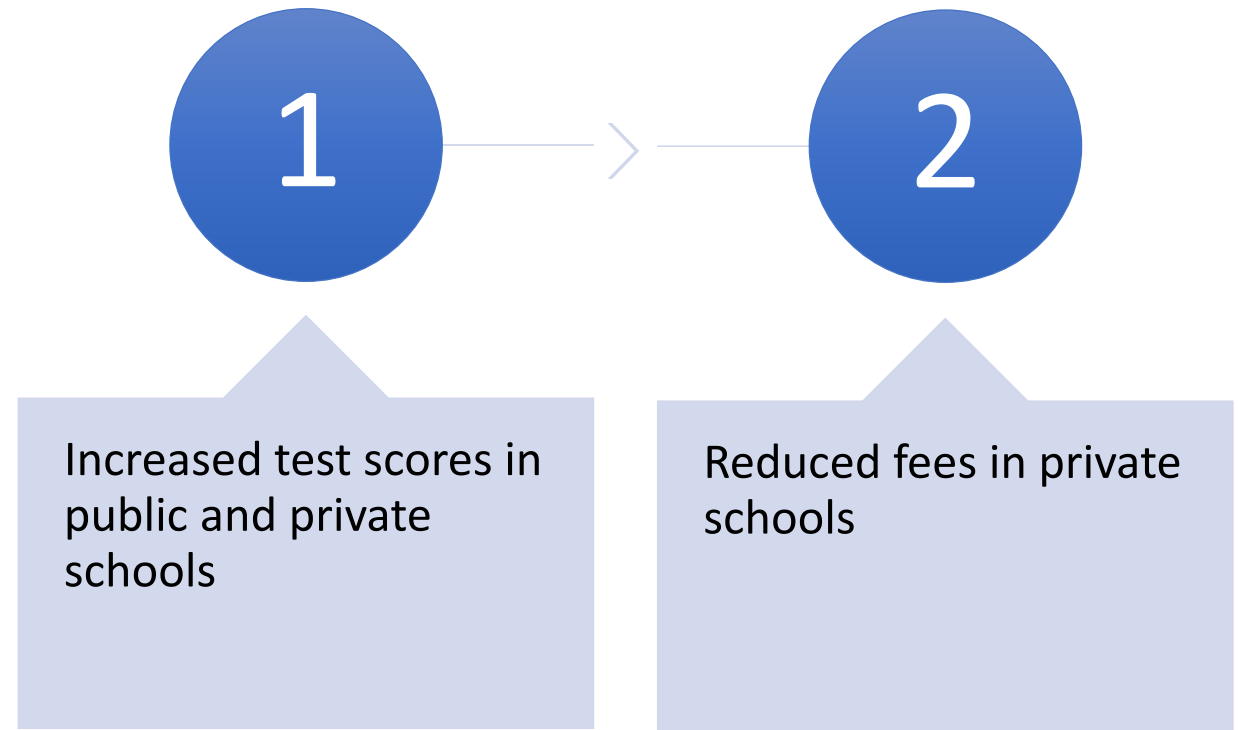
How to strengthen accountability mechanisms?

- Dissemination of information
- Creation of feed-back mechanisms

In Peru since 2007 the proportion of second-grade students reaching Level 2 in reading comprehension has increased from 16 to 44 percent

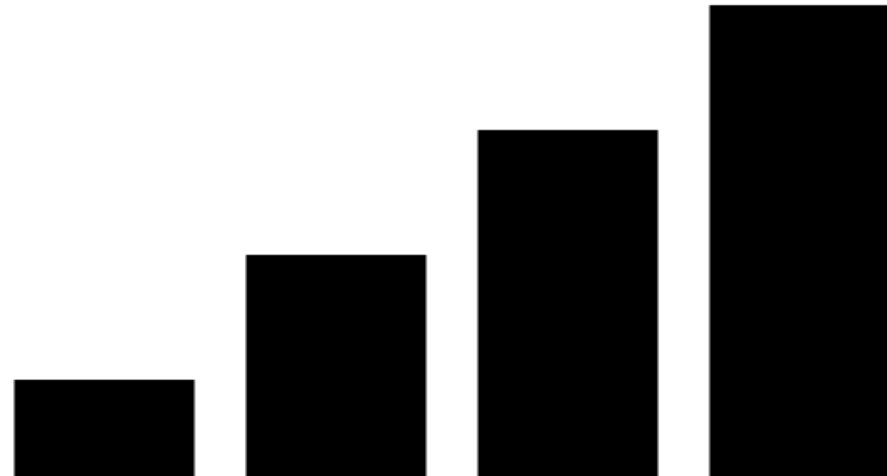


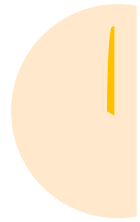
In Pakistan
provision of
school report
cards (comparing
student, school
and village
scores)



In Dubai, 90% of all students are in private schools. All schools are inspected and their ratings are made public every year.

This information is driving improvements in quality of education.





No changes

Was carried out at the beginning and end of year with no teacher training



Some progress was seen

Was carried out at the beginning and end of year WITH teacher training



Huge increase (.7SD) seen in student results

Was carried out at the beginning and end of year WITH teacher training and beginning of year results posted on school wall

Early Grade Reading Assessment (EGRA) Plus in Liberia



Thank you!