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:

- Data collection
- Processing
- Reporting
- Analyzing
EMIS include educational information on:

- Schools
- Teachers
- Staff
- Students
- Other
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
Example: Maryland
Example: Australia
Example: Estonia

Source: Estonian Ministry of Education and Research
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Approaches to successful changes

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)

1. Increased test scores in public and private schools
2. Reduced fees in private schools
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
Thank you!