

How Teacher Reforms in Decentralised Indonesia Can Promote Learning Gains ?

Dr. Sudarno Sumarto & Dr. Heni Kurniasih

RISE PROGRAMME IN INDONESIA

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Policy Research

Presentation Agenda

- Introduction
- Research Agenda of RISE Programme in Indonesia
 - *Reform Area A: National Teacher Reform*
 - *Reform Area B: Decentralisation and District Innovation*

Introduction:

Teacher Reforms as a Main Focus (1)

- Access to education increased significantly. Average net enrolment ratio (APM) approaches 100%
- Indonesia spend 20% of budget on education and a half of it is allocated for teacher salaries and other benefits
- Teacher-student ratio is 1:15, which is lower than some OECD countries

Introduction:

Teacher Reforms as a Main Focus (2)

- Yet, reaching OECD learning levels will take a long time
- By 2015, the average result of the teacher competency test (UKG) was 53.02, below the minimum competency standard (SKM) of 55.
- Only seven provinces reached this standard (MoEC, 2016).



**RESEARCH AGENDA of
RISE PROGRAMME IN
INDONESIA**



Research Focus: Two Large Scale Reform Areas

1. Reform Area A: National Teacher Reforms

A system-wide, national reform with the goal of improving teacher quality that will affect how teachers are hired, recruited, managed and incentivised.

2. Reform Area B: Decentralisation and District Innovations

Innovations germinating at the district or sub-system levels, and their potential to scale-up to other districts or nationally.



REFORM AREA A:
NATIONAL TEACHER REFORM

Five Components of National Reforms

Teacher
Distribution

Teacher
Recruitment

Teacher
Professional
Development

Incentives and
Teacher
Performance

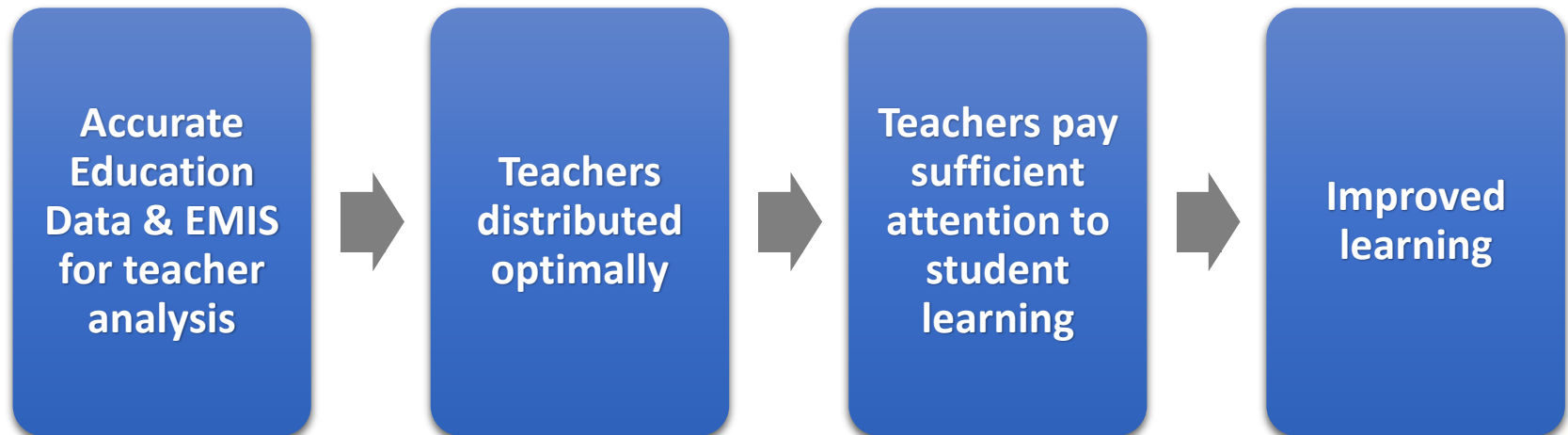
Computerised
Student
Assessment

Teacher Distribution

Background : Inequality in teacher distribution across regions

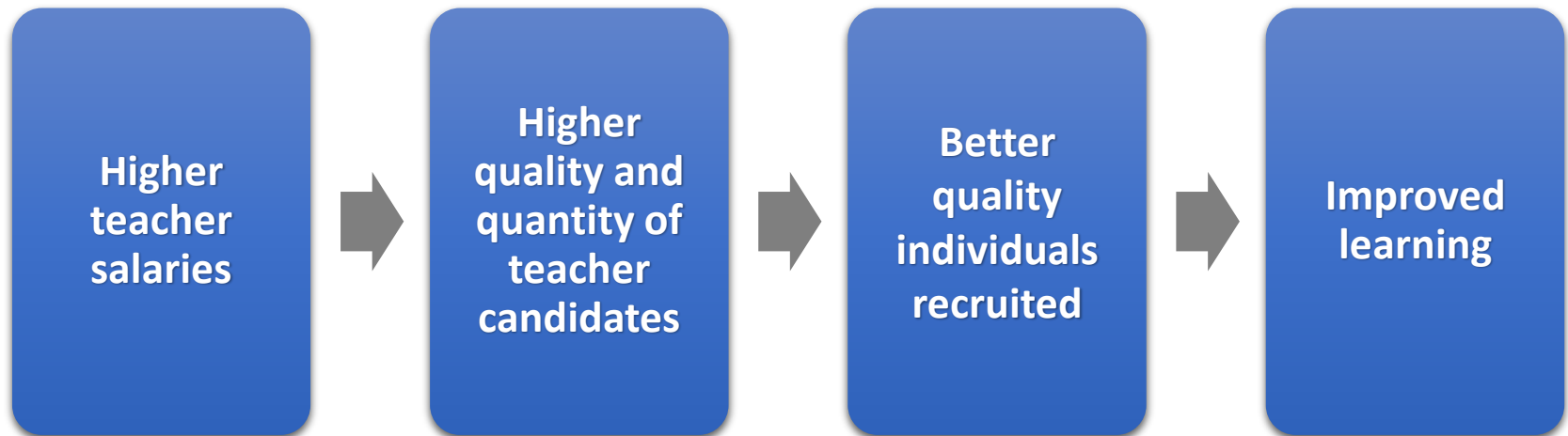
Hyphothesis 1 : Education Management Information System (EMIS) will support a more optimal distribution of teachers

Approach : Descriptive analysis and qualitative assessment based on contribution analysis and political economy analysis



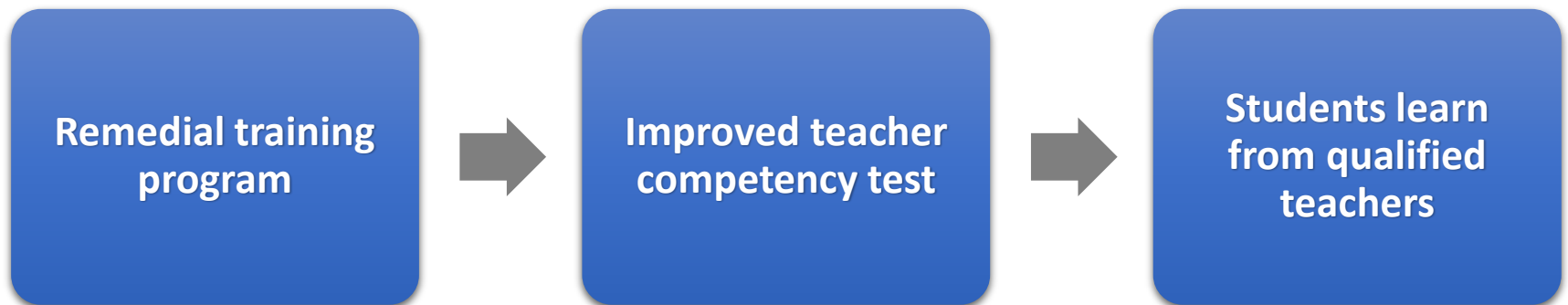
Teacher Recruitment

- **Background** : The need for better quality teachers
- **Hypothesis 2**: Increased salary of teachers will make the profession more attractive and better quality individuals will be recruited to improve learning.
- **Approach** : *Difference in Difference* Method, Political economy analysis



Teacher Professional Development

- **Background** : Many teachers do not meet the competency standards
- **Hypothesis 3**: Professional development training of teachers who perform poorly on the nationwide teacher competency test will improve their competency
- **Approach** : Design of Discontinuity Regression, descriptive analysis before and after the implementation of the intervention



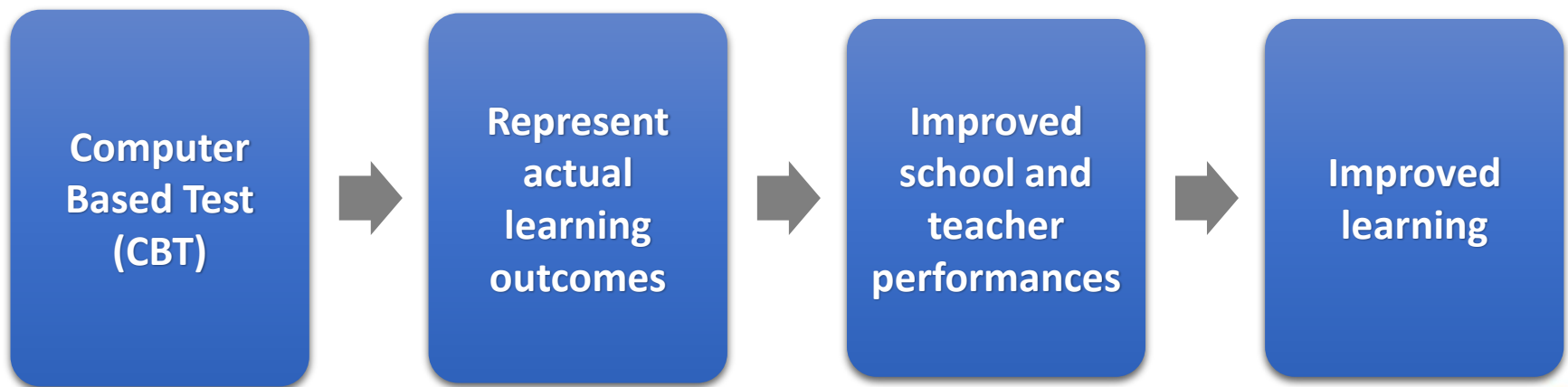
Incentives and Teacher Performance

- **Background** : Incentives for teachers have not been fully based on performance. Community engagement in the learning process and supervision of teacher performance is still limited.
- **Hypothesis 4** : Incentives based on teacher performance and community involvement will improve teacher quality and learning.
- **Approach** : *Multi-arm Randomised Controlled Trial*



Computer-based National Exam

- **Background** : National exam based on the conventional system provides the chance for individuals to cheat.
- **Hypothesis 5:** Computer-based Testing minimises the tendency for cheating and generates actual test results. This encourages schools and teachers to improve professional development to improve learning
- **Approach** : *Randomised Controlled Trial*





REFORM AREA B:
DECENTRALISATION AND
DISTRICT INNOVATION



Decentralisation System and District Education Policy

- The system of decentralisation provides space for local governments in teacher management
- Some districts develop innovations

3 Components of District Innovation Research

“Learning Laboratories”

- Detailed data collection for better understanding of district innovations, interaction with central policies, school experience and effects on learning

Features of district policies that are successful in improving learning

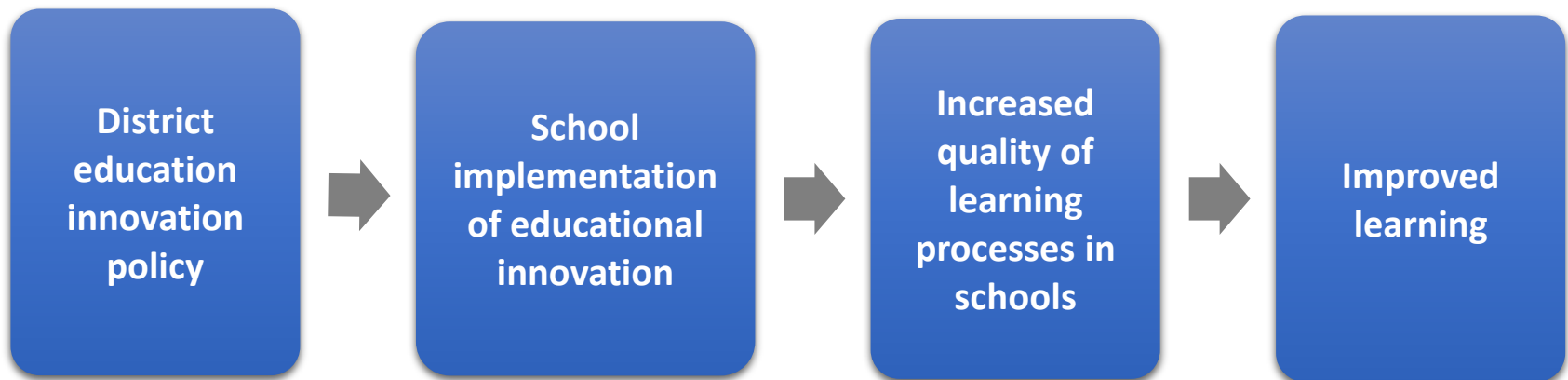
- Analysis of district education policies in the 20 most improved and 20 least-improved districts

How and why innovations spread?

- Analysis of the emergence and spread of district innovation

District Innovation: Implementation at School Level

- **Background** : Some local governments are innovating in primary services, including education
- **Hypothesis 6** : Schools that implement these innovations have improved quality of the learning process
- **Approach** : *Value Added Model* and qualitative study



Understanding District-level Policies that Lead to Success or Failure Across Districts

- **Background** : The variance in district education performances.
- **Hypothesis 7** : Differences in educational performance that are influenced by district initiatives in innovation
- **Approach** : Deductive analysis, analysis of factors of success and failure

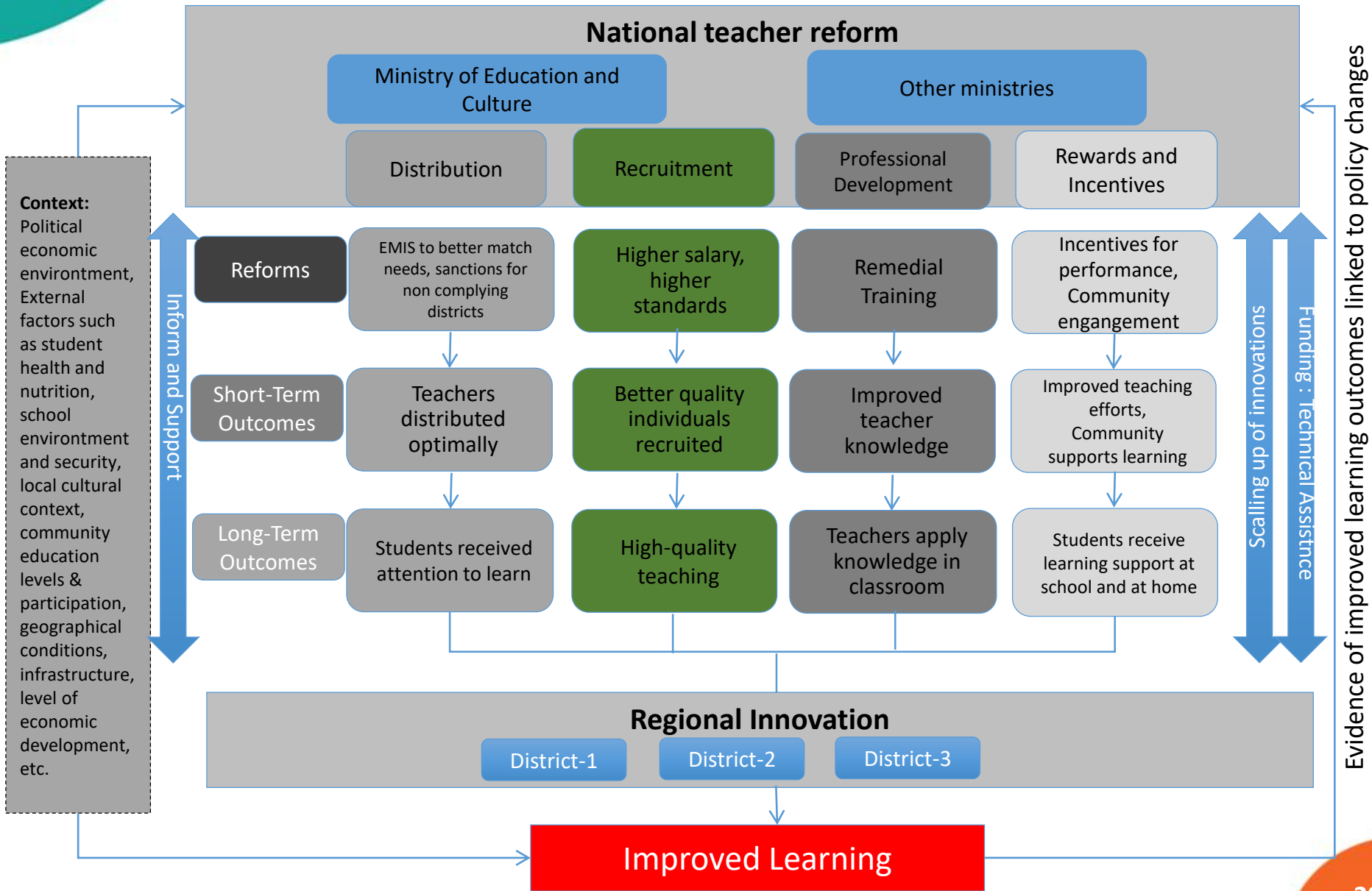


Understanding How Education Innovations Spread

- **Background** : Variation in district educational innovations
- **Hipotesis 8** : District educational innovations that successfully advance learning will be replicated by other districts or nationally adopted
- **Approach** : *Policy Diffusion Analysis*



Theory of Change



THANK YOU



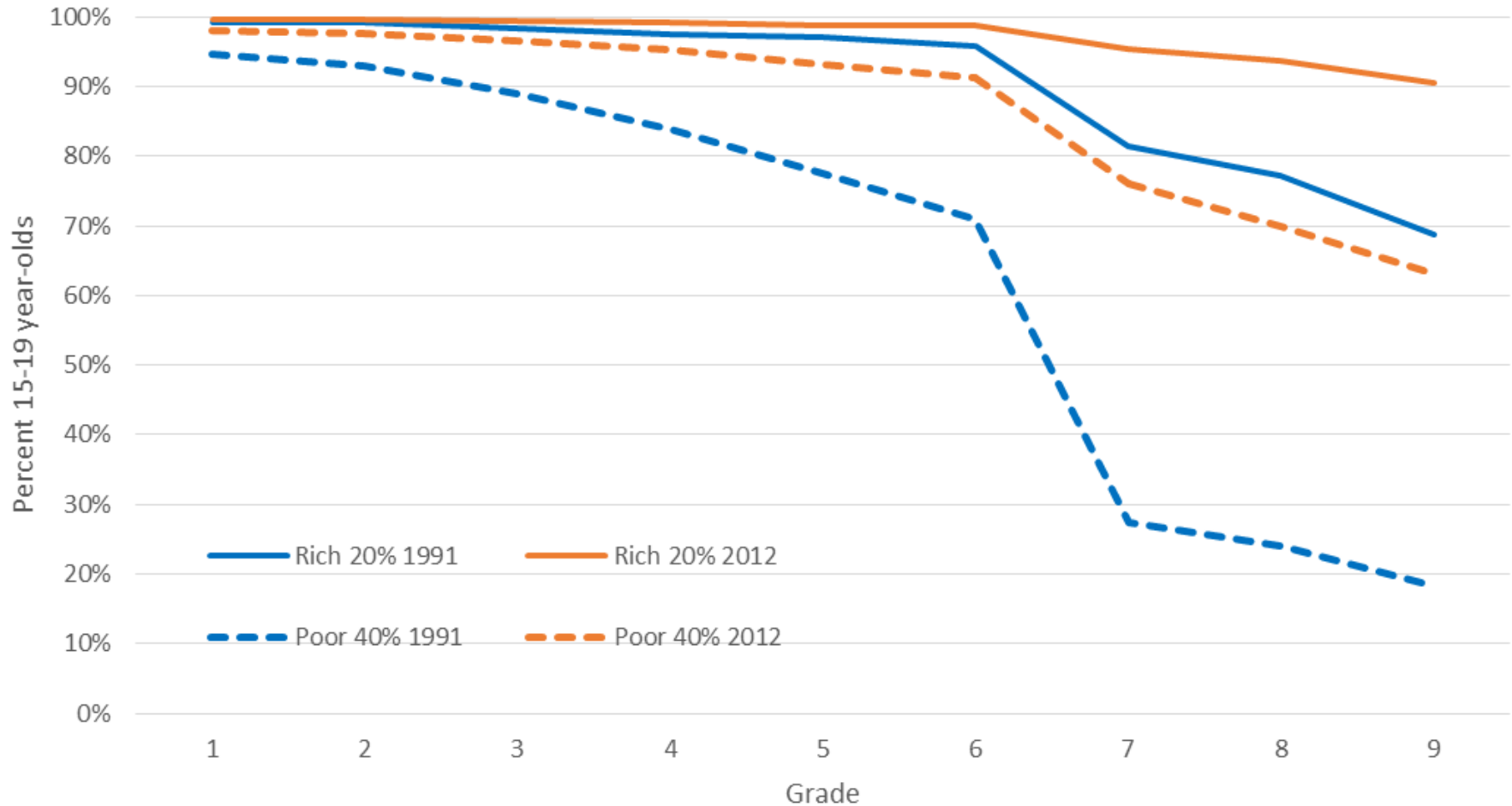
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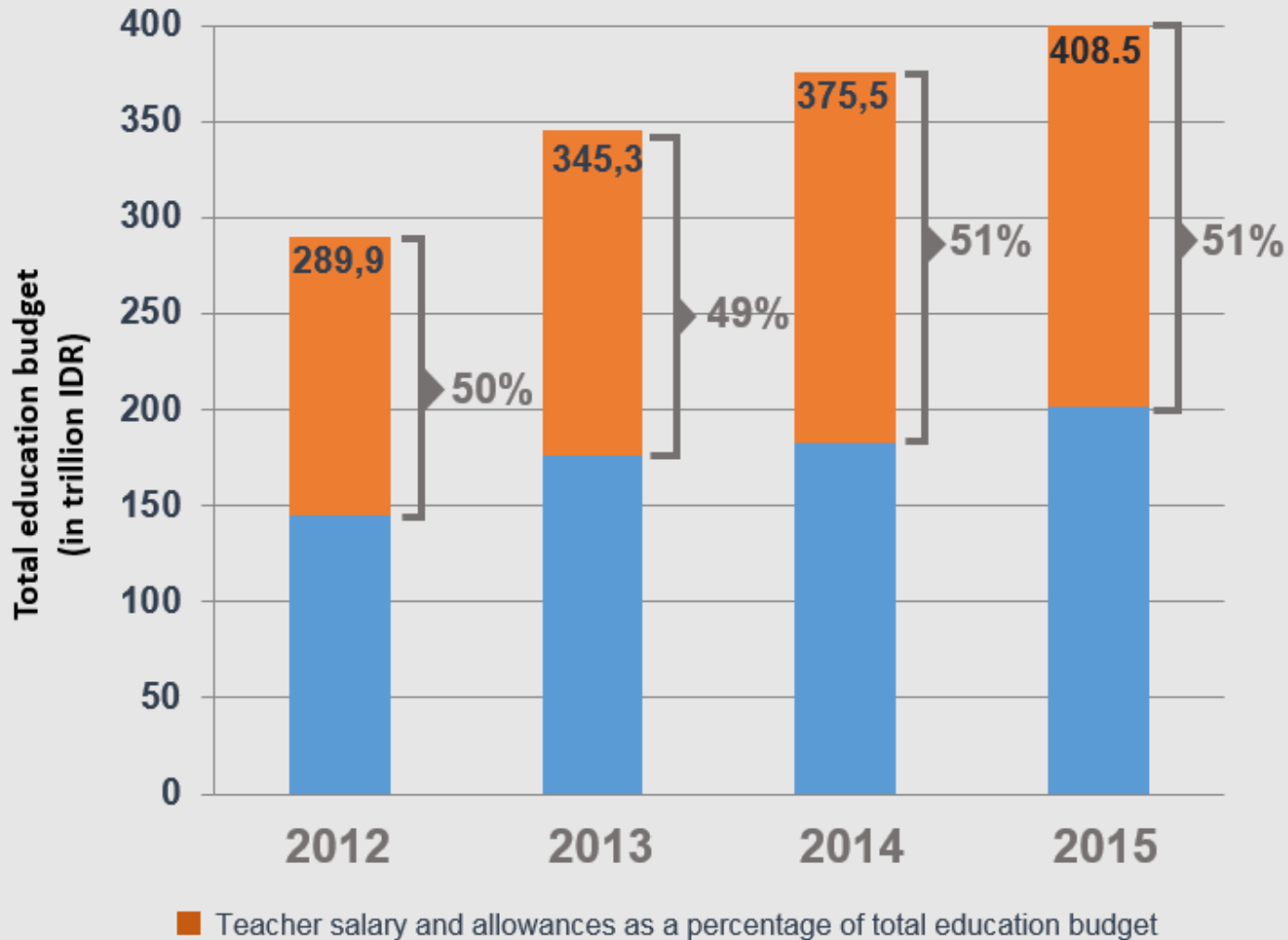


Appendix

Major Attainment Improvements over the Last 20 Years



20 Percent of National Budget Devoted to Education



Reaching OECD Learning Levels Will Take Generations

