UNIVERSITY OF LUXEMBOURG
Luxembourg Centre for Educational Testing (LUCET)

OBSERVATOIRE NATIONAL DE LA QUALITE SCOLAIRE

SIVA

What Primary Schools Are Doing Right: Educational Value-Added in Luxembourg

Valentin Emslander, Jessica Levy, & Antoine Fischbach
University of Luxembourg, Luxembourg Centre for Educational Testing (LUCET)

Background

- Diverse language and migration backgrounds in Luxembourg can lead to educational inequalities.
- This diversity may results in different preconditions for learning math and languages (e.g. the language of instruction) and thus shapes the school careers of students (Hadjar & Backes, 2021).
- However, schools are still performing quite well.
- School performance can be estimated with Value Added scores (VA)

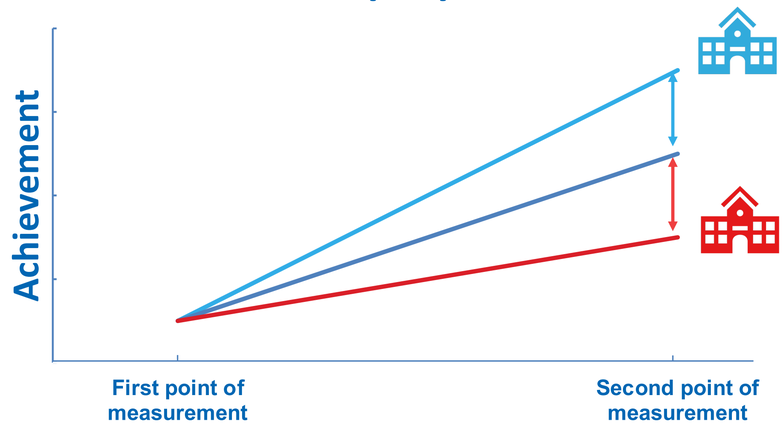
SIVA

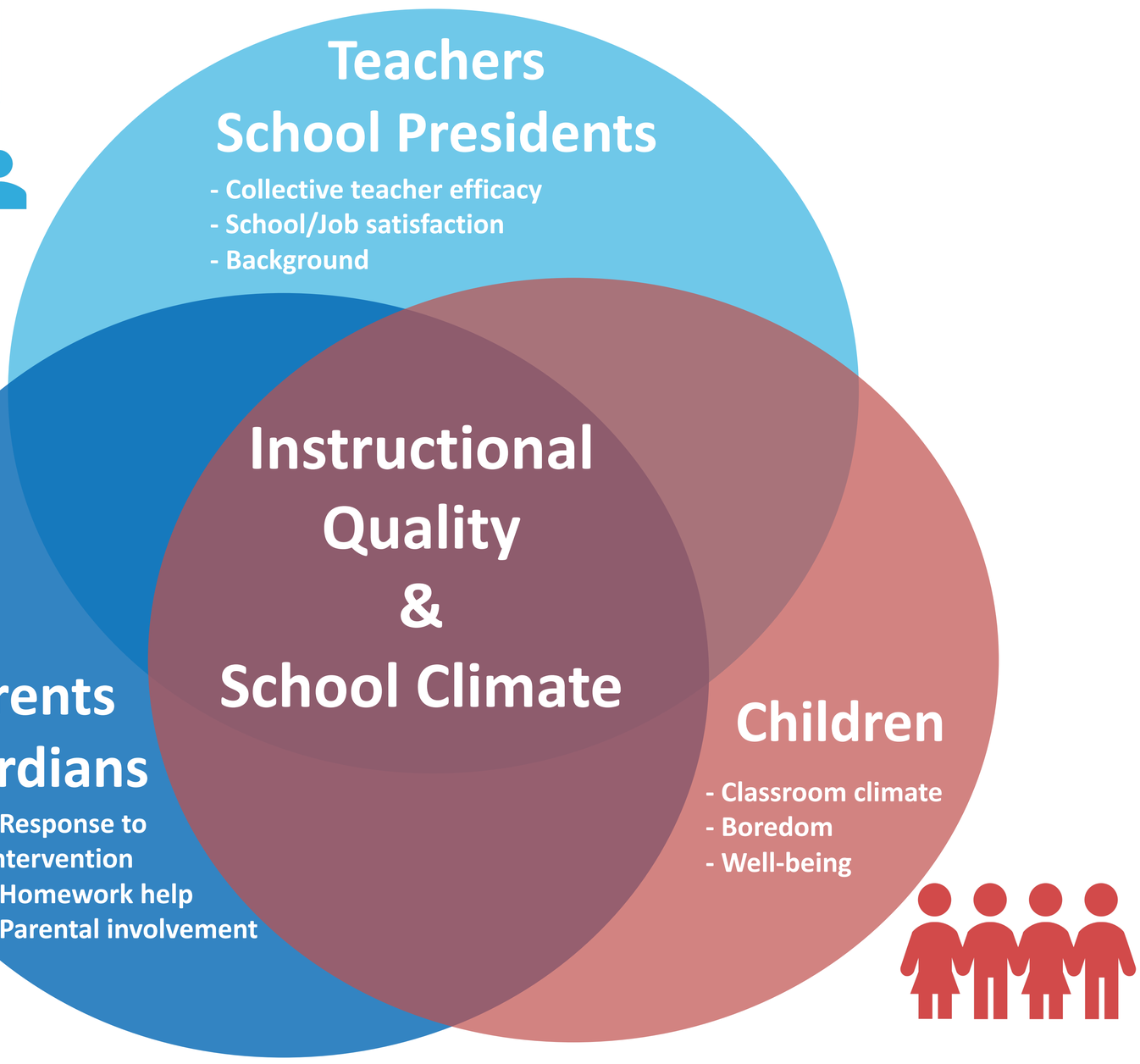
Aims

Systematic Identification of High "Value-Added" in Educational Contexts

1. Identify primary schools with stable VA scores
2. Collect and analyze quantitative & qualitative data on aspects of school climate and more
3. Find effective pedagogical strategies in high VA schools

Value Added (VA) scores





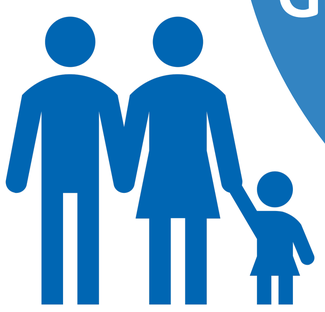


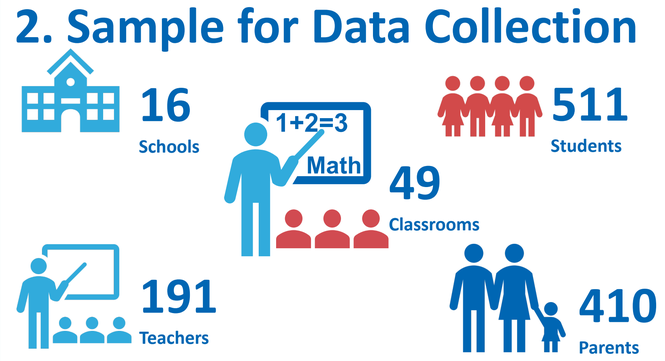
Figure 1. Venn diagram visualizing the constructs we have collected data on during the SIVA project.

1. School Identification

- Sort schools by VA-quartiles (ÉpStan 2014-16 & 2016-18)
- Choose schools, which have
  - **5** Stable *high* VA scores
  - **7** Stable *low* VA scores
  - **4** Stable *medium* VA scores

  = 16 schools

2. Sample for Data Collection



3. Data: Questionnaires

Ca. 40 questions in ca. 50 min session (🇩🇪 (🇱🇺 🇵🇹 🇫🇷 🇬🇧 available)

Ca. 50 questions (ca. 20 minutes) 🇩🇪 🇫🇷 🇵🇹 🇬🇧

Ca. 60-80 questions (ca. 25 minutes) 🇩🇪

5. Data: Longitudinal Data Set

November 2020 (Grade 1) → January 2022 (Grade 2) → November 2022 (Grade 3)

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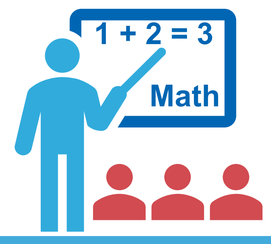
Figure 2. Data collection timeframe of the SIVA project between ÉpStan cycles.

4. Data: Observation

- Just before questionnaire data collection
- During one math lesson + break
- One ONQS observer + one LUCET-Team observer
- We will observe aspects of
  - the lesson (e.g., cognitive activation)
  - the community (e.g., student support)
  - the classroom (e.g., classroom management)
  - language use
  - and school climate



References

Emslander, V., Levy, J., & Fischbach, A. (2022, March 22). *Systematic Identification of High "Value-Added" in Educational Contexts (SIVA)*. https://doi.org/10.17605/OSF.IO/X3C48

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Valentin Emslander (Presenter)
valentin.emslander@uni.lu
Univesity of Luxembourg
Luxembourg Centre for Educational Testing (LUCET)