Designing Schools of the Future to Build Education Resilience post COVID-19

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• 16 early childhood development centres
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• High rates of school *desertion*
• *Dated* classroom practices
• *Low performance* in standardized testing
And of course... very old, inadequate infrastructure...
GOALS

1. Strengthen the relevance and quality of education
2. Generate resilient educational infrastructure
RESULT

1. Largest investment in the history of Cali in education
2. Program that focused on incorporating resilience into the school curriculum and infrastructure
The Roadmap for Safer and Resilient Schools

Diagnostic:
1. School Infrastructure Baseline
2. School Infrastructure Policy

Analytic:
3. Construction Environment
4. Financial Environment
5. Risk and Resilience Assessment

Planning:
6. Intervention Strategy
7. Investment Plan
8. Implementation Strategy

Logos:
The World Bank
GFDRR
GPSS Global Program for Safer Schools
We learned the state of each of our 1,550 school buildings.

Construction Guidelines:
- NTC 6199 regulations
- NTC 4595/96
- NSR 10
- Fire department & other local regulations

15% of school buildings conformed to the guidelines.
**YEAR OF CONSTRUCTION**

- Prior to 1984: 52.8%
- 1984-2010: 34.1%
- 2010 onwards: 13.1%
Analysis of construction, maintenance and reinforcement projects (8 year period).

Licensing and design as well as supervision costs were taken into consideration.

For the first time ever, the city was able to establish reference values for each type of activity per square meter.
**Planning**

- **1. New Schools**
  - 245 sites
  - USD 834
- **2. Reconstruction**
  - 98 sites
  - USD 691
- **3. Reinforcement and contingency measures**
  - 245 sites
  - USD 691

- Combine technical considerations with political ones
- Always have clear financial scenarios
- You think large scale, not case by case
• Long-term school infrastructure plan

• Systemic thinking about school infrastructure

• Incorporated a resilience lens into both educational practices & school infrastructure
Education in the time of COVID-19
Community Sessions
Thank you

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