Adequacy of existing secondary educational facilities

Ana Fernandes

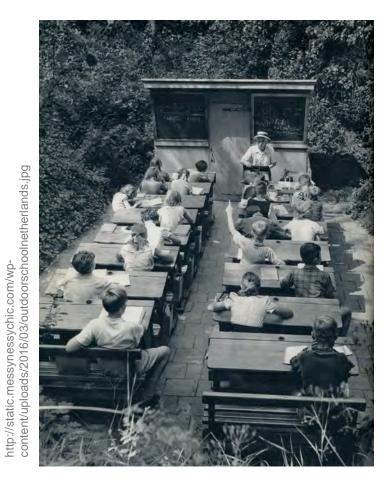
Maria Bacharel maria.bacharel@tecnico.ulisboa.pt Alexandra Alegre alexandraalegre@tecnico.ulisboa.pt ana.c.fernandes@tecnico.ulisboa.pt

Charleston, SC October 8-11 2018





school design as a societal laboratory

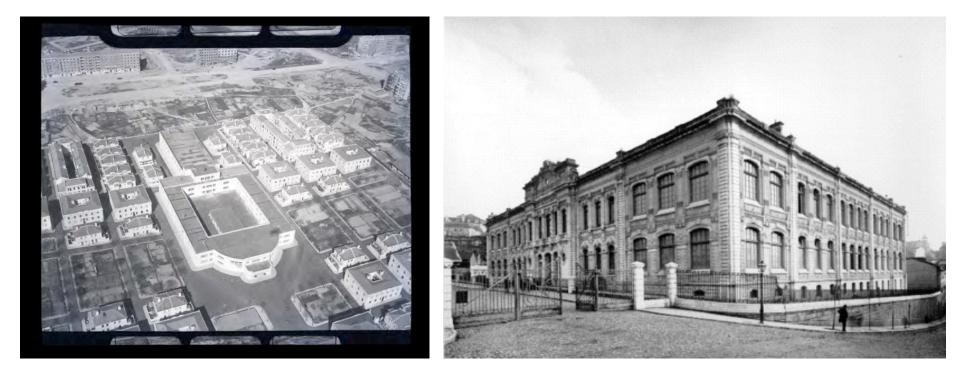




need to update and improve schools



heritage buildings

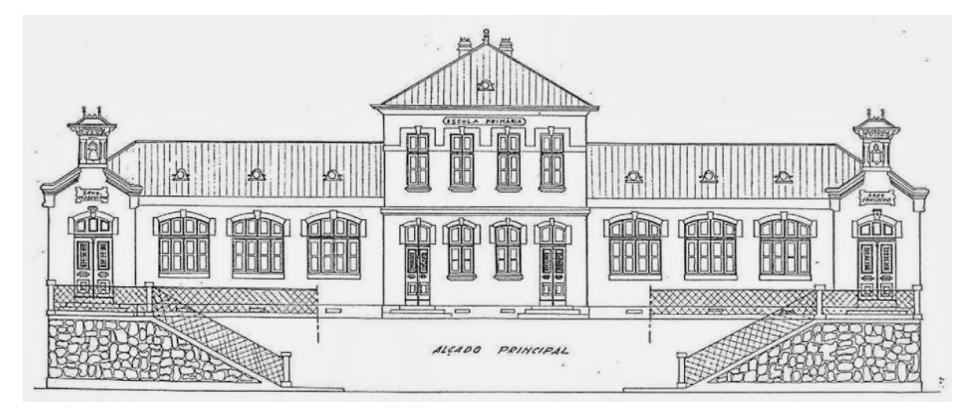


pedagogical demands





functional uses



6/21

economic constraints

O ULTIMO IMPOSTO

Aqui teas a pelle, è tyranno, e acabemos com isto. O caso os fica, para a capadeirada municipal.

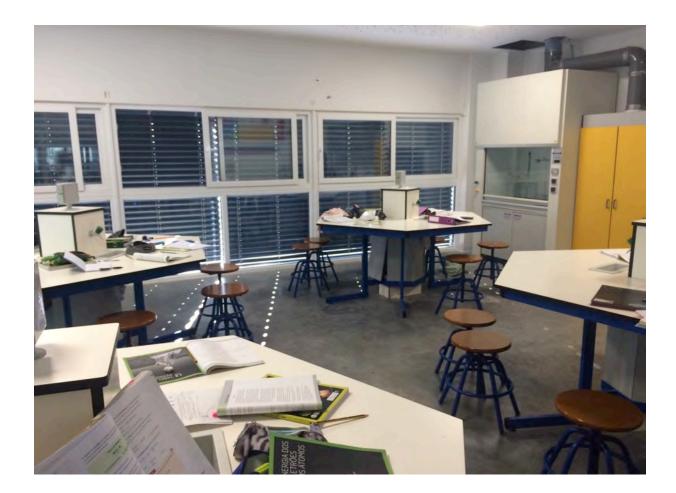


changing population





curricular and pedagogical changes

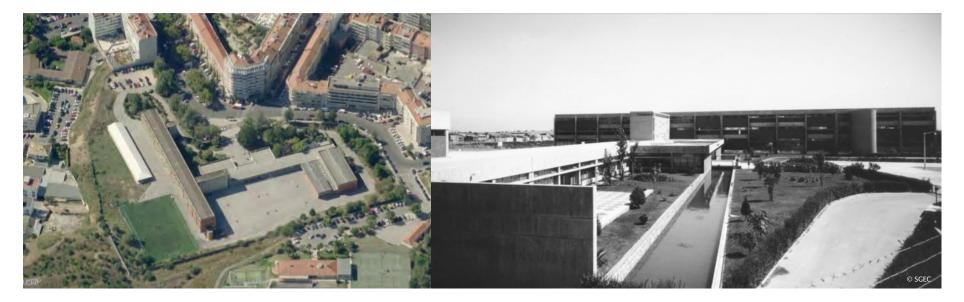


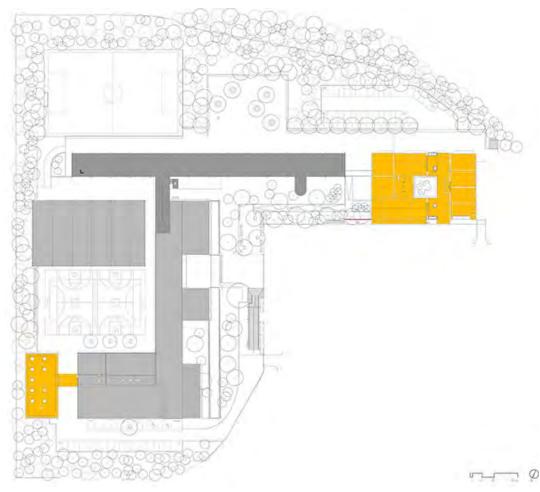
curricular and pedagogical changes



ONE EXAMPLE

PADRE ANTÓNIO VIEIRA SECONDARY SCHOOL





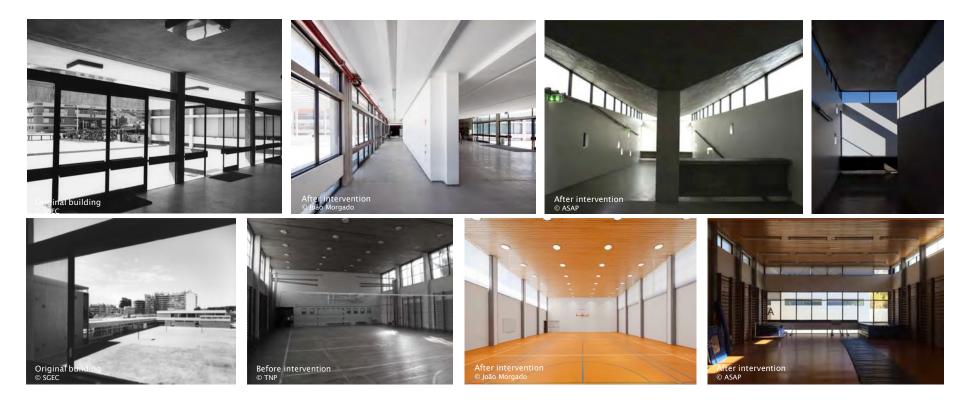


© Teresa Nunes da Ponte, Arquitectura

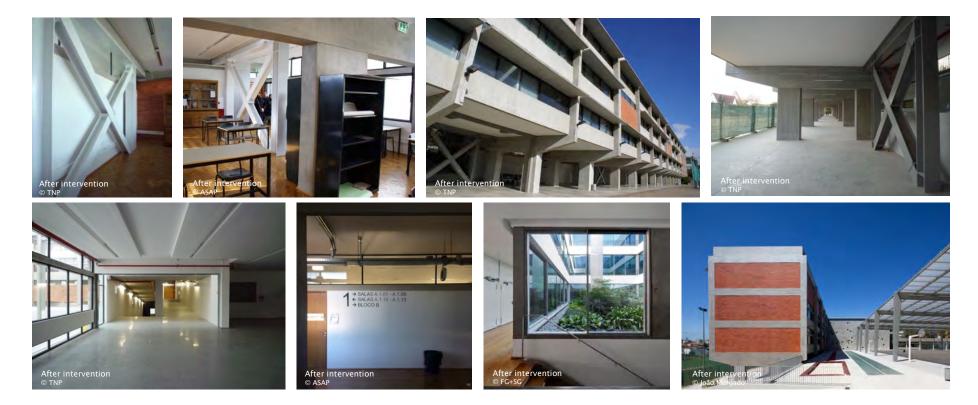
restore original condition



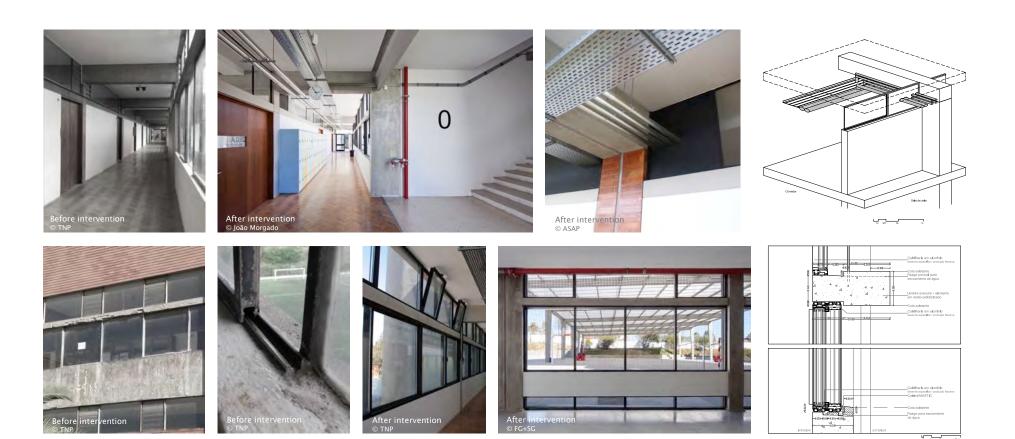
seismic reinforcement



seismic reinforcement



suspended cable tray | window frames



computerized building management system



post occupancy evaluation



WHAT ARE THE PREMISES OF SCHOOL BUILDING DESIGN? 4 +1 metaphors

(Finnish Ministry of Education)

greenhouse



city center



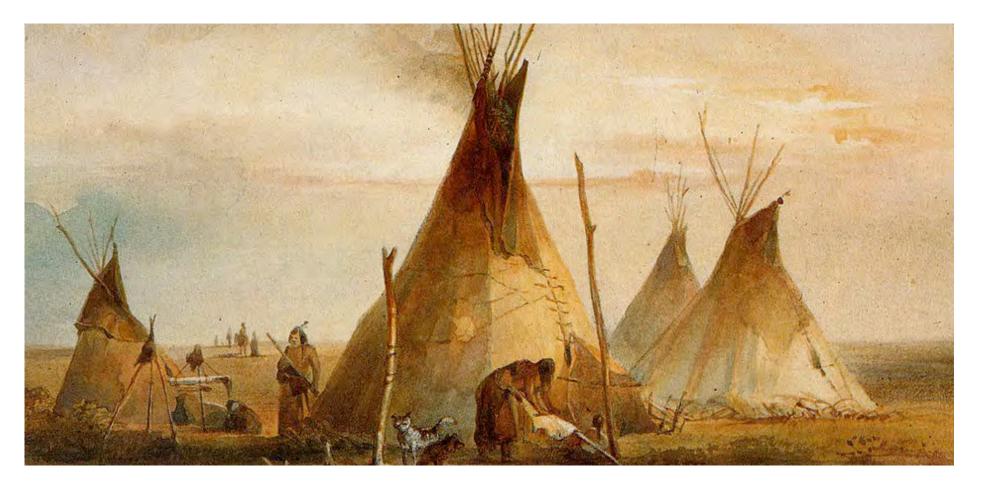
bazaar street



show room



tee pee



Let's talk..

How do we **update** and **retrofit** educational spaces to current educational needs? How do we compromise between the **architectural legacy** and current **social**, **economic** and **pedagogical demands**?

How do we compromise between the architectural legacy, **environmental comfort** and **economic constraints**?

How to assess if existing educational facilities address the current **pedagogical demands**?

How to cope with **technologies** that have a **short-term** use without compromising the **long-term** life expectancy of **buildings**?

