

AY 2022-23

GREEN BUILDING DESIGN A (AKA Design within the limits of scarcity)

PEOPLE

Architectural Design Matteo Robiglio

Roberta Ingaramo

Elena Guidetti

DAD +FULL

Architectural Technology

Francesca De Filippi

Roberto Pennacchio

DAD + FULL + CRD-PVS

(Research Centre on Habitat in

the Global South)

Building Physics

Marco Simonetti Stefano Fantucci DENERG «Galileo Ferraris» +

EC lab + FULL

Guests

Michele Di Marco Anna Silenzi

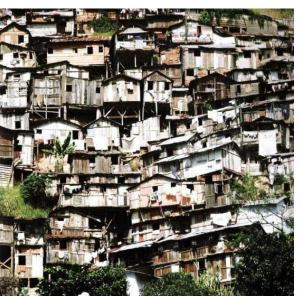




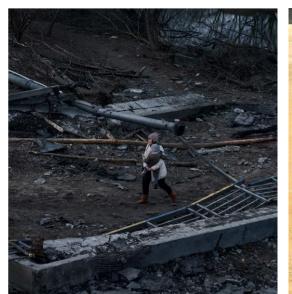
THEME

The STUDIO will explore the concept of scarcity and its relationship with creativity and design

- constraints = from limitations to design
- use of available resources to get appropriate solutions





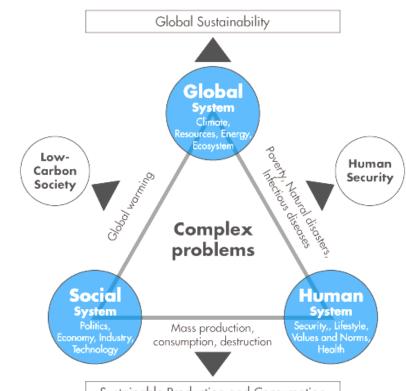




TOPICS

- Human-centred design
- Design for/in emergencies
- Low tech/ high performance architecture
- Assisted/self-help construction
- Community participation
- Sustainable architecture
- Bioclimatic control design
- Safe and healthy environment













THIS YEAR CASE STUDY:

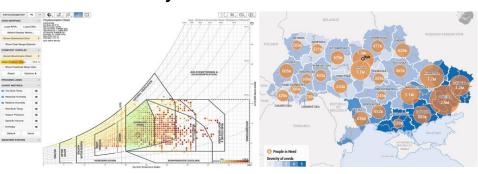
Post-conflict reconstruction of primary health care (PHC) facilities in Ukraine



Objectives:

- To provide access to primary healthcare facilities to communities that are under-served and have limited access to healthcare
- To promote the design and construction of functional and sustainable primary health care facilities in Ukraine
- To encourage architects, engineers and designers to think creatively about the unique challenges of designing primary health care facilities specifically for the Ukrainian context
- To raise awareness about the importance of primary health care and its impact on communities in Ukraine

Context analysis

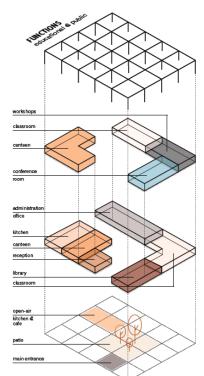


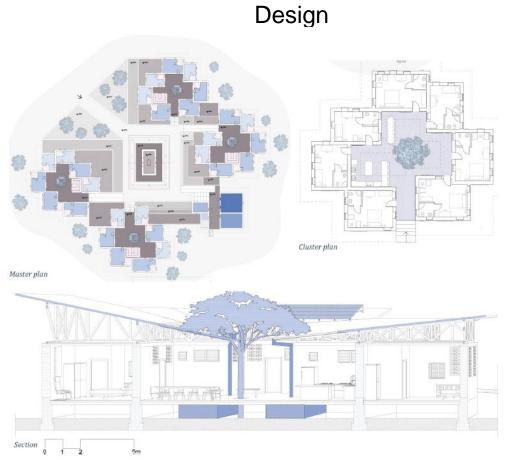
Methods

Numerical simulations (energy, comfort, healthy environment)

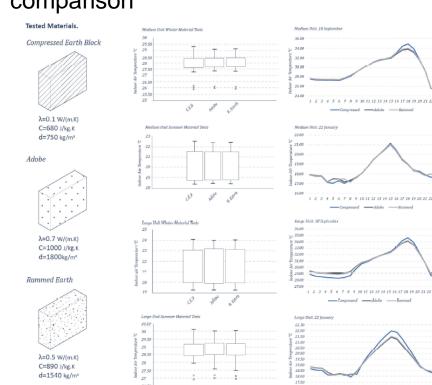


Program



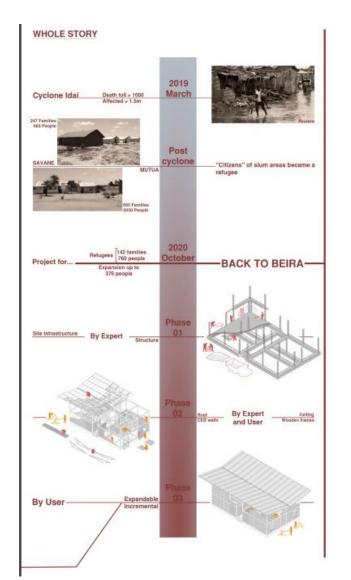


Performance assessment and comparison

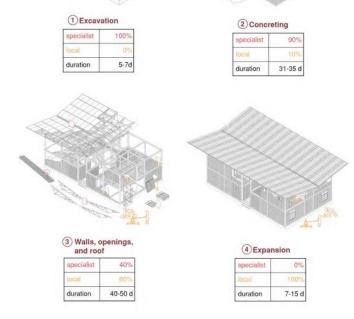


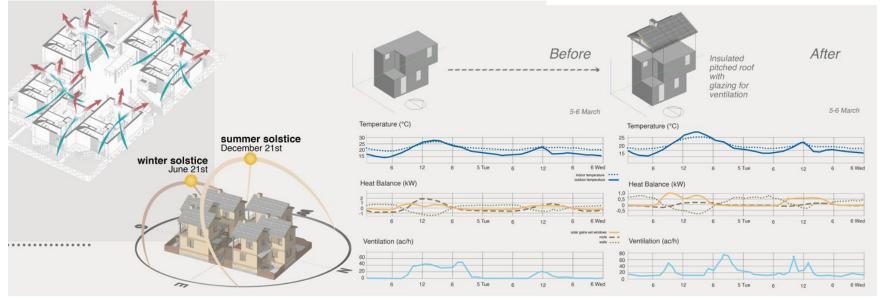
A previous edition BEIRA - Mozambique

Studio Blog: https://backtobeira.wordpress.com/











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