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Yin yang Project. BUILDING ON A LARGE SCALE AND THEIR EDUCATIONAL POTENTIAL

ABSTRACT

The project is a reflection on the educational potential of the act of construction, specifically, large-scale construction, which is considered to be one capable of "competing" with the scale of the participants.

The conclusions and data obtained come from a series of experiences linked to the collective "Sistema Lupo". This group has developed many educational activities, related to the structures and other topics, from an empirical and experimental point of view.

The main material used is building blocks, on different scales and materials and delimited by a modular construction system^[1] that allows infinite rigging.

The size of the blocks used emphasizes the need for a proper design and allows the participant to be aware of the functional and aesthetic aspects of a good structural design^[2]. The scale of the constructions, larger than that of the participants themselves, requires a team effort and success or even failure is shared by all. The didactics also values the uniqueness of the individual in the group. It is a difficult interaction that includes participation, discussion, creativity and resilience as a result of the failure of demolition and its reconstruction.

The experiences have been developed in very different environments ranging from university to children's classrooms. The current proposal refers to a specific project developed over the last five years in the university context. The main material used is wood and, in addition to the above-mentioned topics, industrialisation and the design, manufacturing and assembly processes are also included^[3].

The educational program includes the study of structures and the evolution of the techniques of construction and assembly throughout history. The workshops start with a theoretical approach, go on a guided activity and end with a creativity phase.

REFERENCES

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- [2] Lidstone, John Bunch, Clarence. *Working Big. A Teachers' guide to Environmental Sculpture*. New York: Van Nostrand Reinhold Company, 1975.
- [3] Sistema Lupo. *Yin Yang Project*. <http://sistemalupo.ferminblanco.com/didactica/ying-yang-tulipwood/>