

ABSTRACT:

The project engages in a theoretical discourse from the perspective of practice. It questions whether the 'Six logics of sustainable architecture' (Guy and Farmer 2001) may be integrated as a complex architectural sustainability in practice by using the Nordic vernacular as 'precedence'. Thus, obtaining an intrinsic architectural sustainability

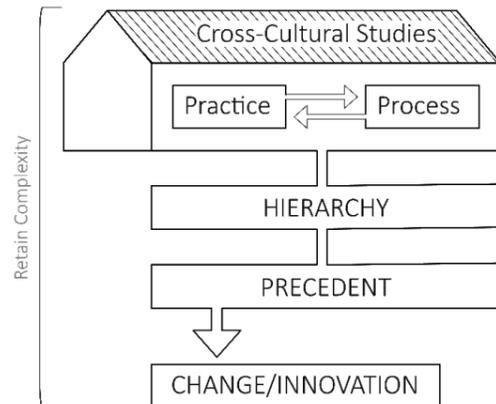
The architectural response to the 'Globalisation-plus' (Latour 2018) cannot be a generic 'one size fits all'. Thus, it is the project hypothesis that working with high complexity in practice requires the introduction of a constant, 'precedence', for the complex to be oriented- and related to (Deviren and Tabb 2014). The 'precedence' is established through a study of the Nordic vernacular practice.

The vernacular tectonics present a functional- and aesthetical unison of materials, elements and buildings components, whereof the best examples transcend their unique character and enable the emergence of a global system (Frascardi 1983). Hence, the tectonics, when they are at their strongest, become the architectural manifestation of a cultural whole: Tradition, (locality), use (construction) and aesthetics. This represents the project notion of intrinsic architectural sustainability.

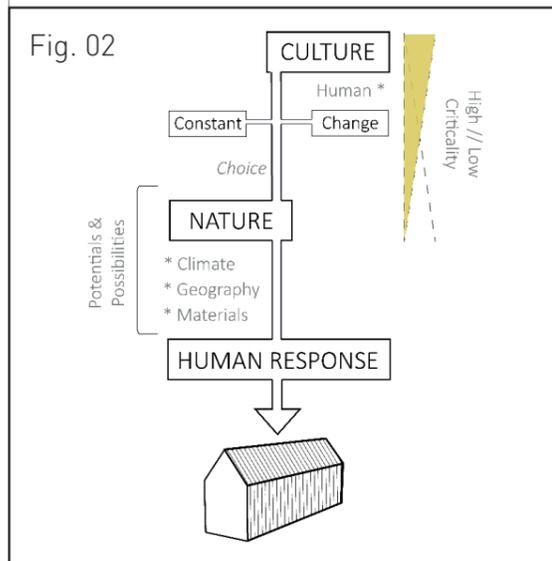
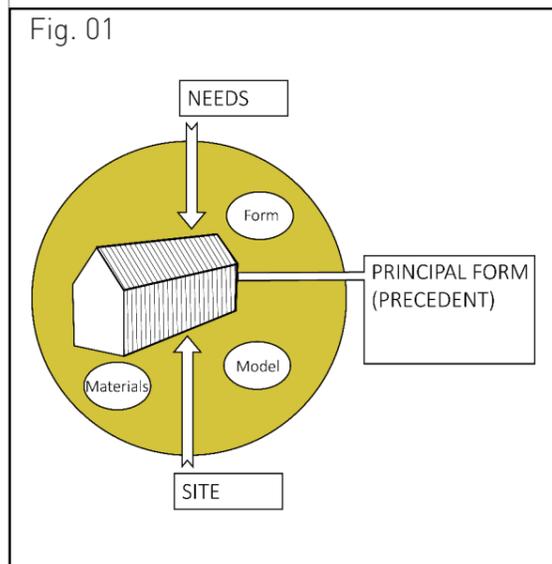
Christopher Alexander's 'Pattern Language'- approach to complexity is utilised as a theoretic framework and method to format a state-of-the-art of the Nordic vernacular practice. This is coined as 'The Nordic Vernacular Archive' and examines the Nordic vernacular as a case study to define a typology, or a repeating pattern, capable of articulating the tacit, sustainable aspects of the practice.

From this, a homeostatic, narrative framework with associated methods is developed as a baseline for the design- and construction process: An ample, architectural response to 'Globalisation-plus' (Latour 2018) to ensure that complex architectural sustainability is not lost in reductionist benchmark systems. Instead, it is integrated through implicit guidelines as the architectural manifestation of a cultural, sustainable, whole: A cohesive, composed, narrative of 'logics' (Guy and Farmer 2001) rather than a fragmented dichotomy.

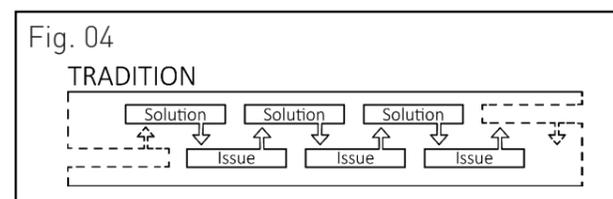
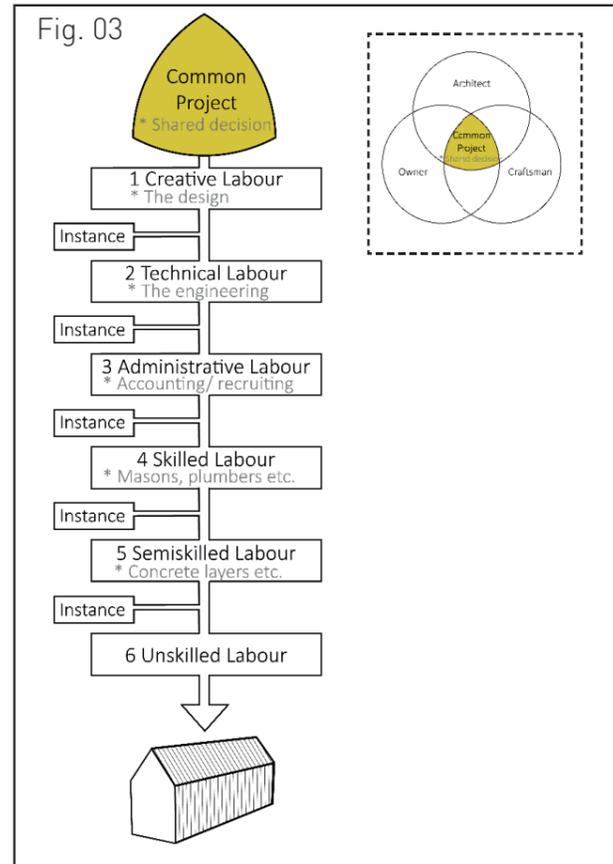
Fig. 06



Amos Rapoport



Hassan Fathy



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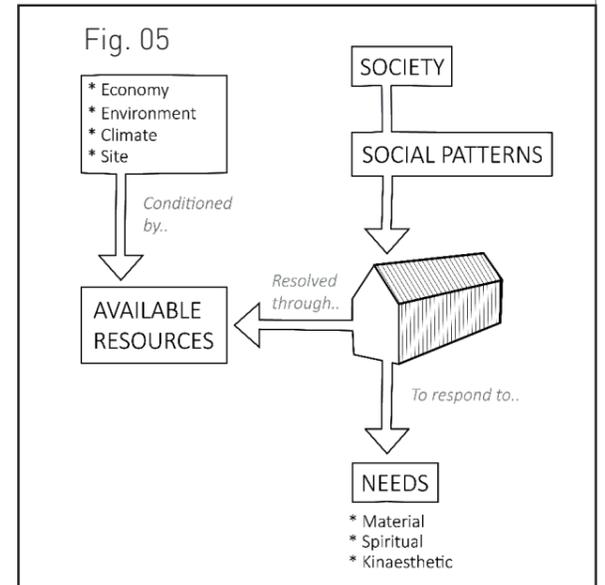


Fig. 01 Rapoport's notion of the vernacular process

Fig. 02 Rapoport's notion of the vernacular matrix

Fig. 03 Fathy's 'Trinity' of the architect, craftsman and owner & the building process and 'the instances of conception.'

Fig. 04 Fathy's notion of tradition

Fig. 05 Olivers's notion of the vernacular process

Fig. 06 Synthesis of the three scholars' notion of the process of vernacular form