

New architectural devices to increase our connection to Nature from interior dwelling space: through our architectural heritage

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INTRODUCTION:
There is a growing potential for **losing regular “contact with Nature”**; diminishing access to the documented wide range of associated human **health and wellbeing benefits** of daily interaction with the natural world. This leads us to **a sensorily deprived built environment** and to **an increasing placelessness**. There exists limited knowledge and research into **“how to integrate Nature with our interior dwelling space”** and **“how these solutions can be implemented”**

OBJECTIVES:

- To obtain **new architectural devices** to increase our connection to Nature from Interior dwelling space and enable their integration.
- To produce a catalogue of potential **sustainable practical devices** and recommendations for the contemporary dwelling interior design practice.
- To change the attitude of researchers, design practitioners, policy-makers and society.

METHODOLOGY:

- A qualitative **case-study** of buildings in Denmark and Japan, analysed from Landscape, Architectural Interior and Biophilic Design approaches. Through 5 Key parameters and from 12 Biophilic design patterns: 1. Nature in space: 1.1. Visual connection with Nature 1.2. Non-visual connection with Nature 1.3. Presence of water 1.4. Dynamic/diffuse light 1.5. Link to natural system. 2. Natural analogues: 2.1. Biomorphic forms/patterns 2.2. Material link to Nature 2.3. Complexity and order 3. Nature of the space: 3.1. Prospect 3.2. Refuge 3.3. Mystery 3.4. Risk and peril.
- To consecutively apply **research by design**, a scientific methodology that links architectural research and practice

EXPECTED RESULTS: to effectively enhance the health and wellbeing of communities through daily interaction with Nature in urban areas, an urgent challenge at EU and Global level.

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