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Sustainable and Innovative Public Procurement and Ecodesign/Towards Low-Carbon Energy Systems

## (UN)FOLDING THE GREEN FUTURE: ARCHITECTURE BETWEEN BIO-MIMICRY AND TECHNO-FLAMBOYANCE

The contemporary mode of (urban) life has been significantly shaped and modified by the challenges imposed by climate changes. Consequently, the current trends in architecture and urban design reflect latest shifts in behavioural patterns which could be recognized in new spatial typologies, emerging concepts and innovative approaches related to energy efficiency, ecological adaptability and environmental awareness. Based on advanced techno-, bio- and eco- principles, the evolving architectural projects promote different values, environmental priorities and dynamism incorporated in eye-catching envelopes, ambitious programs, but also included in recent strategies, actions and public initiatives.

Considering all these issues, the paper will present and analyze a questionable outcome of the evolving synergy between environmentally-friendly technological achievements and a natural (dis)balance, applied in numerous projects which mark the beginning of the 21<sup>st</sup> century. The concept of 'vertical ecology' will be emphasized, especially its role in urban regeneration, global competitiveness, eco-promotion and multileveled sustainability. The paper will also present the first phase of a research conducted at the University of Belgrade/Faculty of Architecture (master-studio/thesis 2012/2013) which is focused on a problem of an elaborated vertical structure adjusted to the latest demands of eco-living.

\* poster exhibition could be included