Sustainability 2014: Future Urban Development at Different Scales

Abstract

From Garden City to Smart City From abstract concepts to specific planning approaches

The notion of sustainable city development is not new. From the very beginning of the development of settlements it was always closely linked with town planning. The city was the stage for important social and technical innovations but also a place of disaster and destruction. In the history of the city there were differing and often controversial ideas about its further development. In the respective times different concepts originated which in turn were shaped by political systems and the society.

With the industrialization began an intense growth of the cities. The local supply and trade cycles became more and more large-scale and are often comprehensible only in a global dimension. The interactions between global processes and local noticeable consequences have become significantly more complex in recent decades and can no longer be influenced by simple strategies.

In this context, the theoretical models for sustainable development are much further than the actual project planning methods and approaches. Although all disciplines that deal with urban development are committed to an interdisciplinary approach, the evident results are rather rare.

Often only subject-specific contributions are developed that offer only sectoral approaches. The gap between theory and practice appears enormous and often ends in recriminations of the different actors.

In this lecture, firstly, the well-known planning concepts are illustrated. Secondly specific planning approaches are analyzed that intend to relate complex issues to each other and generate solutions for a more sustainable development.

The examples are of different topical focuses and deal on different scales with the transformation of areas and build structures.

Conversion: HafenCity, Hamburg

Infrastructure development: Masterplan Emscher Zukunft, Ruhr region

Revitalisation: Mooca-Vila Carioca, São Paulo

Inner-city: development concept inner-city, Mannheim