

RESCUE – Sustainable Resource conservation in Civil engineering, Urbanism and Economy

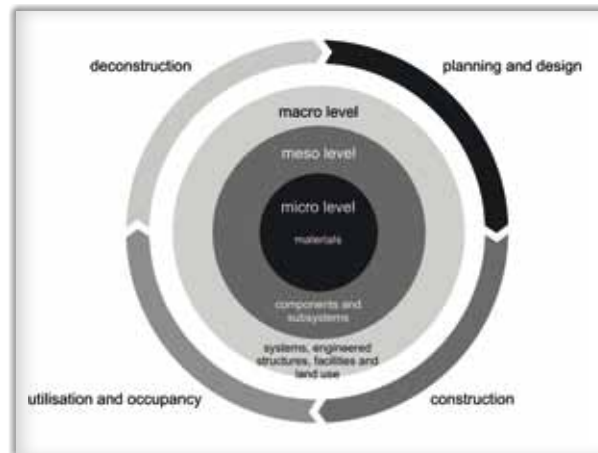


Research focus RESCUE (Sustainable resource conservation in civil engineering, urbanism and economy) is dealing with issues of sustainability in civil structures, infrastructure and urbanism. A special focus is set on the protection of natural, human and economic resources. All relevant environmental media like earth, air and water are topics of research on different scales from material through structures to regional scale. The relevance of civil and construction industry on the use of soil and land consumption is obvious. Also more than one third of world's CO₂-emission is directly connected to the construction and use of buildings. There is also a comparable impact on other media and resources. In RESCUE, scientists of different disciplines work together on the common aim of improvement of sustainability in construction industry.

The very specific characteristic of RESCUE is interdisciplinarity. This also discerns this research focus from other activities in this field of research. Material scientist, engineers, architects, planning scientists and economists work together in common projects on this field of research. This approach avoids unilateral view on and valuation of research.

RESCUE was founded in the year 2008 within the framework of "Zukunftsinitiative Forschung des Landes Rheinland-Pfalz". First interdisciplinary research projects were launched and first successes in granting projects can be reported. For Information of researchers and university members a course of lectures was started in 2009.

RESCUE is represented by its members in several international organisations like International Urban Planning and Environment Association (IUPEA) or International Ergonomics Association (IEA). These representations will be developed and expanded within the development of this research focus.



Life Cycle in sustainable Resource conserving Construction Industry

Contact



RESCUE – Sustainable Resource Conservation in Civil Engineering, Urbanism and Economy

Prof. Dr.-Ing. Wolfgang Kurz

Paul-Ehrlich-Straße

Raum 14 / 511

D-67663 Kaiserslautern

Phone: +49 (0)631 / 205 2006

www.rescue-uni-kl.de

Research Areas

- Minimizing of Use of Resources
- Optimized multifunctional Building Elements
- Design and Construction with new Materials and Building Elements
- Sustainable Planning and Valuation Systems for Cities and Regions
- Valuation of nonmonetary Aspects of Sustainability
- Cycles and Recycling in Delivery- and Sanitation Systems
- Sustainable Handling of Human Resources
- Implementation of Sustainability in Building Companies

www.rescue-uni-kl.de