

**AARHUS UNIVERSITY**

**EXTERNAL SEMINAR**

**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**Frederiksborgvej 399, 4000 Roskilde**

**10 October 2018, 13:00 –14:00**

**Venue: K1.36 in the east wing of Risø campus**



**Title** HiG Urban studio: Research projects in Social-Ecological Design

**Speaker:** Stephan Barthel, Associate Professor at University of Gävle (S) and director of Urban Studio

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**Abstract:** The future work of Urban Studio will address challenges related to the fact that urban landscapes for another approx. 2.7 billion people will be built on planet Earth, approximately converting land equivalent to the size of South Africa. Such land conversion, coupled with citizen densification, pollution, increasing inequalities, shifting diets and emerging Internet technologies challenge human well-being and pose ever-increasing demand for resources generated by the Biosphere. The academic knowledge production in HiG Urban Studio will be performed in dialogue with the discourse on socio-technological systems performed elsewhere at the university of Gävle, where sustainability changes often are addressed through increased climate efficiency, e.g. in energy solutions, digitalization, and transport. Such perspectives will be discussed with the social-ecological discourse of the studio with its focus on resilience building, human well-being and social sustainability. This framework is referred to as social-ecological urbanism. The Urban Studio will for instance concentrate on the various ways urbanization can promote individual well-being. Urban Studio is also interested in supporting research that creates better understanding for how to strengthen human-environmental relations and for enabling broad-based shifts towards pro-environmental behaviour in cities. Also, resilience analysis will be performed on smart city developments. What kinds of environmental qualities for human health promotion can urbanization include? How do we design local social-ecological systems in order to enable bonding with place and community? What kind of nudges for decreasing detrimental consumption behaviours can be actively designed in the Smart City? How resilient are Smart City development in relation to prospected hazards associated with global environmental changes? In this way HiG Urban Studio aims to develop a holistic system perspective on sustainable urban development, having the unique goal to create “bio-socio-technical solutions” for improving urban resilience while aiming for sustainability transitions with global repercussions.

**Host: Clive Sabel/BERTHA** (BigData Centre for Environment and Health), Emission Modelling & Environmental Geography, Environmental Science, Aarhus University

**External Guests** interested in attending the presentation should e-mail

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