SEMINAR ANNOUNCEMENT

"Resource Management in Peri-Urban areas: Going beyond urban metabolism"

Abstract- A shift towards a more circular economy (CE) is crucial to achieve more sustainable and inclusive growth. This lecture is about REPAiR, a Horizon 2020 EU-funded research project which aims to provide local and regional authorities with an innovative transdisciplinary open-source geodesign decision support environment (GDSE) developed and implemented in *Living Labs* in six metropolitan areas in Europe: Amsterdam (Netherlands), Ghent (Belgium), Łódź (Poland), Naples (Italy), and Hamburg (Germany).

The GDSE allows creating integrated, place-based eco-innovative spatial development strategies aiming at a quantitative reduction of waste flows in the strategic interface of peri-urban areas. These strategies will promote the use of waste as a resource, thus support the on-going initiatives of the European Commission towards establishing a strong circular economy. The identification of such eco-innovative strategies will be based as much as possible on the integration of *life cycle thinking* and *geodesign* in order to operationalize urban metabolism. The developed impact and decision models allow quantification and validation of alternative solution paths and therefore promote sustainable urban development built upon near-field synergies between   the built and natural environments.

This will be achieved by quantifying and tracking essential resource flows, mapping and quantification of negative and positive effects of present and future resource flows, and the determination of a set of *indicators* to inform decision makers concerning the optimization of (re-) use of resources. REPAiR is supported by a user board, of key stakeholders from all six case areas for the development of CE as well as local authorities, who are heavily involved in the GDSE testing.

July 31, 2017
1.30 p.m. – 3.30 p.m.

FREE/NO RESERVATION REQUIRED
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