

CLICCS C1 - Sustainable Adaptation Scenarios for Urban Areas – Water from 4 Sides

The core contribution of CLICCS C1 (Water from 4 sides) to the overarching CLICCS research goal is the development and assessment of sustainable adaptation scenarios for urban areas. Focus is on climate change induced water related stressors (precipitation induced flash floods, hinterland flooding, sea level and ground water rise), the direct human impact on it as well as societal reactions to these stressors. C1 develops integrated urban system models that allow the generation and assessment of possible sustainable adaptation scenarios and thereby help to explicate the trade-offs between alternative sustainability goals, determining possible and plausible futures. To achieve this overall goal, detailed process studies are performed. One application area is the metropolitan area of Hamburg. This project is a contribution to the Cluster of Excellence EXC 2037 'CLICCS - Climate, Climatic Change, and Society' – Project Number: 390683824 funded by the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) under Germany's Excellence Strategy. This project is contributing in parts to the Center for Earth System Research and Sustainability (CEN) of Universität Hamburg.