



# IN-SOURCE

## SUGI Impact Workshop 21.1.2021



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## IN-SOURCE

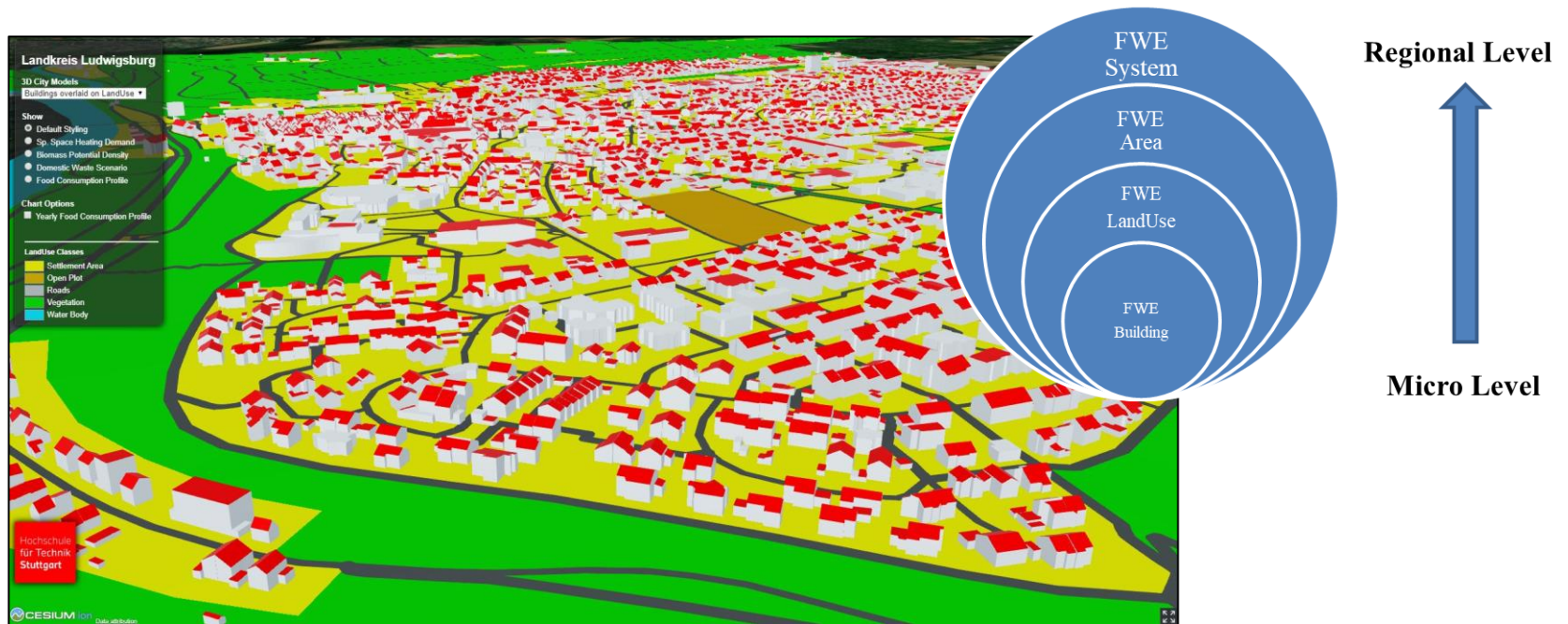
**I**Ntegrated analysis and modeling  
for the management of  
sustainable urban Food-Water-  
Energy Re**SOURCE**s





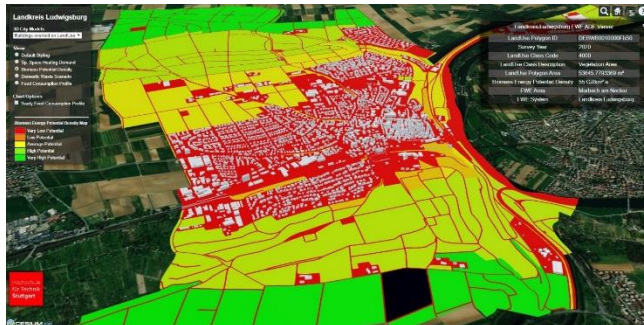
# Results

- **Creation of a shared urban data and modeling framework (CityGML and FWE ADE extension)**  
with specialized tools for applications in food, energy and water interactions



# Results

- **Special analyses in the Food-Water-Energy sector**  
possible Synergies/CO2 saving strategies, e.g. Food: CO2/biomass tracking, diets; Water: climate change/city growth; Water/Energy: biomass potential and its water demand, energy generation potential in WWT plants/(bio)waste utilization; Energy: microgrids etc.



DEU case study: County of Ludwigsburg



AUT case study: Vienna, Meidling



USA case study:  
NYC, District  
Gowanus

# Impacts and approaches

- **Establishing Stakeholder working consortia**
  - Raising awareness for “nexus thinking” and collaborative planning of local FWE infrastructure projects
  - Policy recommendations and stabilization of a citizen-expert-administration-research collaboration process



AUT: Ongoing with the City of Vienna and several NGO partners



USA: Ongoing with the City of New York (NYC Dept of Environmental Protection, Bureau of Wastewater Treatment), with the AIA (American Institute of Architects) and the Community-based urban design initiative „Gowanus by Design”



# Impacts and approaches

- Providing a transferable urban FWE simulation platform, introduced to planners and public bodies



DEU: Touchtable presentation at a conference („Zukunftsstadt“ Münster, Dec. 2019)

# Networking and capacity Building – support from other SUGI projects/SUGI team

- The Brisbane event could serve as an outreach platform, e.g. with a special workshop on FWE simulation tools
- IN-SOURCE Final Conference/Stuttgart in September: Distribution support for invitations to other SUGI projects or central invitation via SUGI
- National project meetings, as one has already taken place in Austria. The Viennese partners offer to host more - provided Corona allows it
- Exchange of project experience in stakeholder involvement/co-design strategies

**Acronym:** IN-SOURCE

**Duration:** 2018–2021

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**USA:** City University of New York (CUNY), New York Institute of Technology (NYIT)

# Thank you for your attention!