

Climate protection through circular waste management

Project title:

The new local centre of environmental education and information

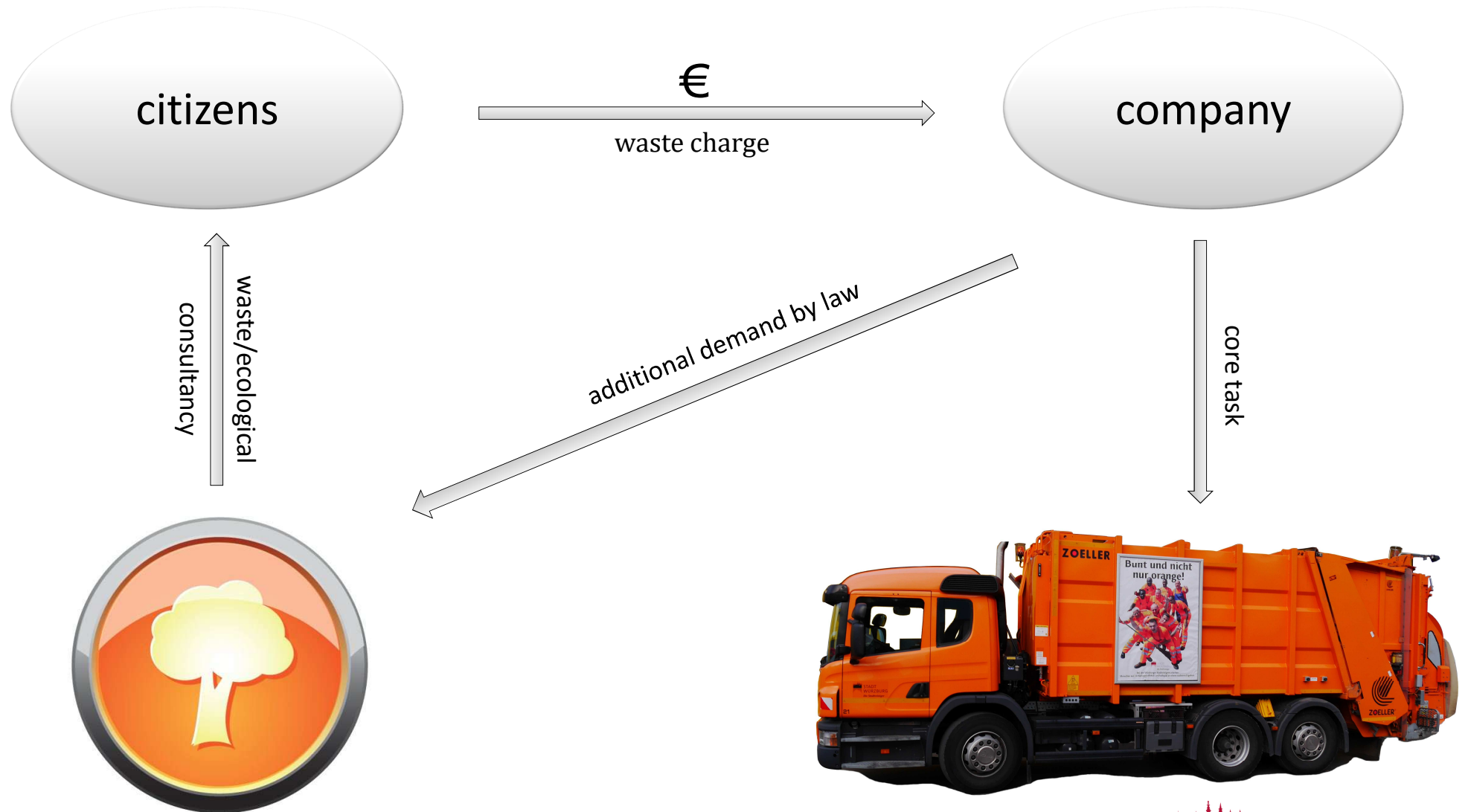
Involved institutions:

The municipal government of Würzburg, the public circular flow economy company „Die Stadtreiniger“

Description:

„Die Stadtreiniger“ wants to create a new local centre of environmental education and information with exemplary character for reuse and recycling of construction and demolition material

Institutional setting



Starting point



- old building with structural defects and energetical deficits
- no accessibility for persons with physical disabilities
- not enough space for events, meetings and lectures



- concept for ecological building
- municipal government and „Die Stadtreiniger“ initialized architectural competition
- acquisition of subsidies for additional costs

Approach



- recycled concrete as main material for the building
- supported by the BTU Cottbus (technical university)

Outputs

- new centre of environmental consultancy with exemplary character for ecological building
- conservation of resources and landfill space by using recycled raw material
- enough space for all offers related to environmental education and information



Lessons learnt



The importance of cooperations:

- winning the support of the local government and its willingness to accept additional costs for ecological building
- acquisition of funding partners to reduce the financial expense
- collaboration with research institutions to implement innovative methods and technologies



How to handle recycled concrete:

- same character as conventional concrete
- optical deficits are possible according to the processing of the material
- conservation of resources at almost the same costs for the recycled material