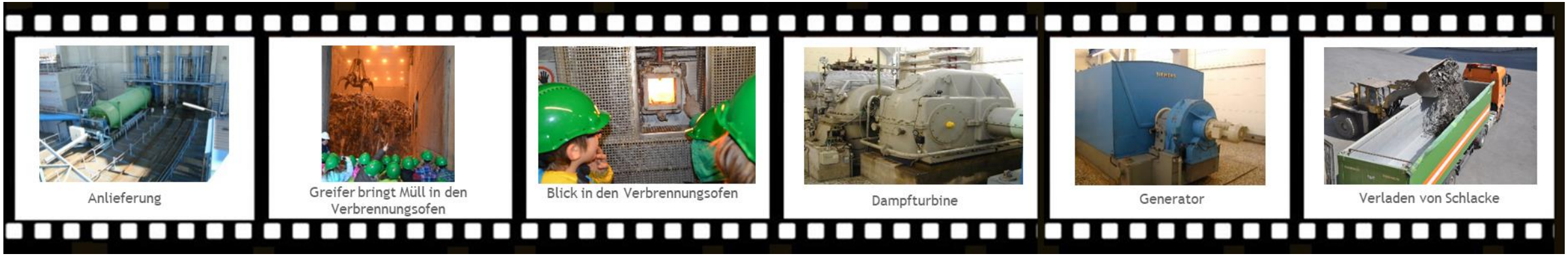


# STRATEGIES OF WASTE PREVENTION AND RESOURCE MANAGEMENT


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# STRATEGIES OF WASTE PREVENTION AND RESOURCE MANAGEMENT


Before the OSOS-project:

- Schools visited a regional waste incineration plant to get to know how it is working, with out having teaching material an a pedagogical background

- We worked together with the organizations to improve teaching material

During the OSOS-project:

- Schools are invited to visit a regional waste incineration plant, pupils will be taught at this location

- Schools and external partners work together to create a win-win-situation, (i) to increase their public acceptance and (ii) to bring external expertise into classrooms

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# What to be learned


- Students get an insight into the tasks and processes in a waste-to-energy plant.
- Students get know the possibilities of waste reduction.
- Students know the construction of a waste-to-energy plant and name technical applications of the central components and transfer them to the original object.
- Energy transformation and sustainable action are the focus of this intervention.
- Students learn the use of the waste-to—energy plant for the local society

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# Stations of the intervention
# a) public engagement

- Students create solutions to reduce waste in small peer groups and share their ideas to the other groups, to find creative ideas to have more public engagement

- Students compare the recycling circle to the circle of life in nature

# Stations of the intervention
# b) ethics

- Students see the hudge ammount of waste people produce which can not be reused in the usual way
- Students reflect their conclusions about consumer behavior and really needed wrapping material
- Aligning research to social values of the society

# Stations of the intervention
# c) science education

- Students know the construction of a waste-to-energy plant and name technical applications of the central components and transfer them to the original waste powerplant.
- Connction between the subjects biology, physics
- Researchers and stakeholders work together to solve social challenges

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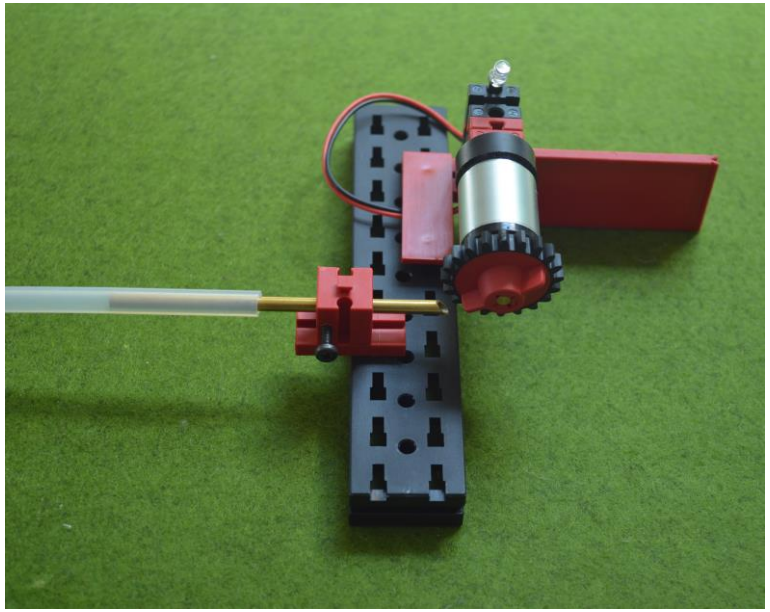
# Stations of the intervention
# d) RRI

- Creating a functional model of a power plant helps to understand crucial steps in the waste-to-energy plant
- Science education and local needs are connected to RRI and present potential impacts on the environment and society

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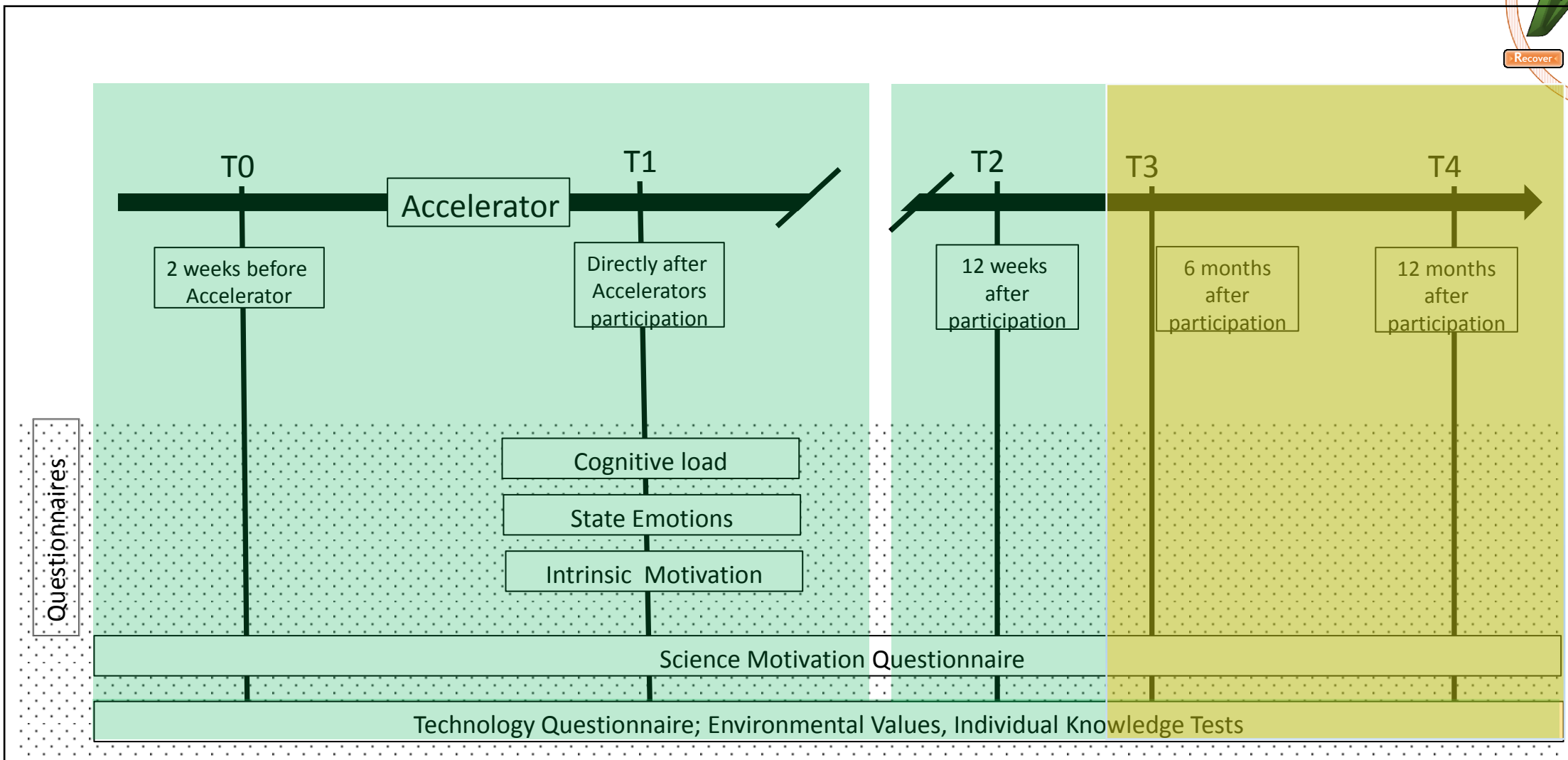
External industrial patntners of the OSOS project in Bavaria, Germany


https://de.depositphotos.com/39337633/stock-illustration-map-of-bavaria.html

# Evaluation of the intervention



# Expected participants


- 7-10 schools
- 15-20 classes
- 400 students

- Schools are required by the external partners

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