

ABSTRACT | SUMMARY

The project involved high school students calculating carbon footprint of school and developing strategies to reduce carbon emission. Students were guided by two science teachers. The school put some of these strategies into action to reduce carbon emission.

TARGETGROUP | CONTEXT

All students, teachers and administrators at METU College were targeted to raise awareness about climate change and carbon emission. The school is a private one, where the implementation of the project activities went smoothly.

INFORMAL LEARNING ACTIVITIES

Calculating the school's carbon footprint and developing strategies to reduce it, developing activities to raise awareness among students of climate change and ways to mitigate it. The project was carried out through collaborative learning, action learning and problem solving.

EVALUATION

Competences:

team learning & problem solving

Methods:

self-assessment, teacher assessment, interviews and observations

Group:

Eight students involved in project

Process:

Assessment for each dimension in LEVEL5 was done for each student to summarize the development for each competency.

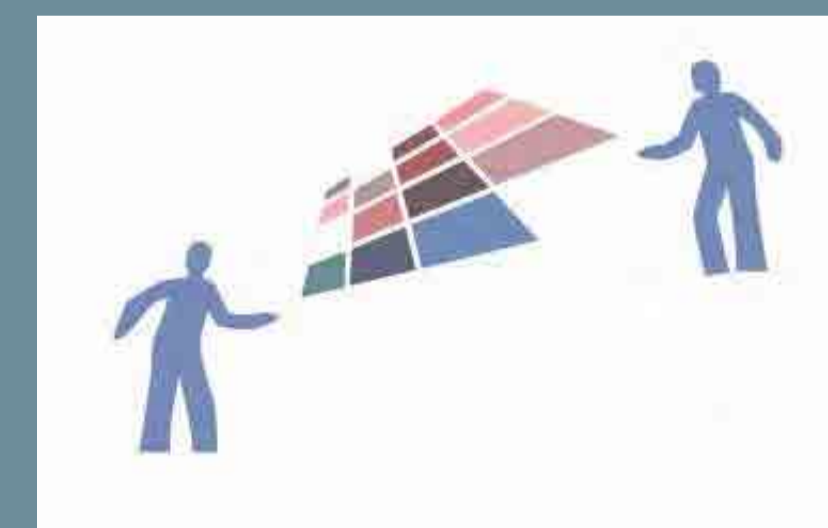


RATIONALE | BACKGROUND

Climate change issues receive much attention in Turkey. The project took place in 2012 and 2013. Club GREEN teachers implemented it with students and two professors and a researcher assisted them in developing strategies and activities.

OBJECTIVES

- Calculate carbon footprint of the school and develop strategies to reduce it
- Raise awareness among other students toward climate change and ways to mitigate it
- Assess competencies developed



RESULTS

- Piloting showed LEVEL5 is useful to assess informal learning outcomes that are not measured through traditional assessment.
- Competencies (team learning and problem solving) were the core skills developed.
- Contextualization of competencies was helpful in meaningful assessment.
- Multiple data collection was critical.