



k.i.d.Z.21 aCtiOn2 Bridging the Gap between Quality Education and Climate Action





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Brief description and Highlights

In collaboration between Climate Change Education researchers and experts on behavioral psychology the project explores via moderate-constructivist educational settings how climate change education (SDG4) can lead to climate-friendly action (SDG13).

k.i.d.Z.21_aCtiOn2 explores ways to bridge the gap between climate change knowledge and climate action. The students go through a transformation phase towards more climate-friendly action and explore how their school could implement climate-friendly changes. CO2 balance accounts are created with the ClimCalc 2.0 tool by students and climate change experts as a contribution to the climatefriendly transformation of schools and local businesses. Thereby, the project is contributing to an education for and as Sustainable Development, linking research on climate action to effective changes and climate-friendly measures.

k.i.d.Z.21_aCtiOn2 is building on increased awareness of climate change that the high school students have already acquired through participation in the prior climate change project k.i.d.Z.21 - competent into the future. Quantitative and qualitative analyses of psychometric and pedagogical evaluations will reveal long-term changes as well as various factors influencing young people's climate-friendly behavior, leading to a better understanding of the motivators and barriers to climate action.

Self-efficacy Hope **Acting together** Climatefriendly Action CO2 balance More climate accounts friendly schools **Reduction of Emissions**

Background and results of k.i.d.Z.21_aCtiOn2

Interventions and data collection

1st half-year - CO2 emissions of schools 2nd half-year - CO2 emissions of companies Implementing learnings Invisible CO2 Students can expand and emissions pass on their experience we make and knowledge. They How to them visible! also initiate the process calculate Climatetowards greater climate emissions? friendly friendliness in action & why companies. 1. Tour in the company is it so and examination of difficult? Which companies? Let's do it: existing material and Here's how - small, local we collect 2. Definition of a focus companies CO2 - municipal in the company emissions at Bilancing companies Reduction my school! 4. Devlopment of potentials at Provided support proposals for climatemy school friendly measures and how we students undertake a lot of implement responsibility them. - advice and practical support from k.i.d.Z.21_aCtiOn2 - regular exchange and reflection Workshops can be adapted to the school and current of intermediate results Covid19-situation if necessary. Concrete reduction of Concrete reduction of CO2 emissions CO2 emissions

Procedure of a project year in k.i.d.Z.21_aCtiOn2

Picture by a student, representing her vision of a climate-friendly school

Climate-friendly measures



Example of developed measure: Students starting challenges to motivate their peers to come to school by bike

Progress and Further Directions

- Interdisciplinary comparison of behavioral change studies: identifying commonalities, differences, and opportunities for mutual learning between research on healthy and climate-friendly behaviors
- Exploration of motivators and barriers to individual climate-friendly action; e.g., the importance of hope and role models and its concrete manifestations in the context of young people's climatefriendly behavior; effect of self-efficacy and group efficacy on climate-friendly behavior
- Changes in willingness to act will be tracked throughout the project using a mixed-methods approach; external influences (e.g. Covid19) can also be evaluated using control groups and comparative data from the previous longitudinal study k.i.d.Z.21





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