
Geo4Tea: A New Online App for Confident Climate Change Teaching

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Abstract

Bringing the topic of climate change into classrooms is an issue for geography teachers. Many teaching materials of varying quality are available through online sources. Teachers can thus be in a difficult position of judging knowledge in terms of its correctness, adequacy and relevance for pupils. Therefore, the team of scholars at the Department of Geography, Masaryk University in Brno (CZ) developed the GEO4TEA (geo4tea.com) application that helps teachers deal with different geographic topics, including climate change. In the presentation, we will show the application Geo4tea, its scientific research background, the opportunities the app creates for the professional development of geography teachers, and the current research we have been carrying out with the app: verifying the ecological validity of the conceptions of geography teaching. The app is based on nine globally established conceptions of geography teaching, demonstrating how the topic of climate change may be diverse. In the app, teachers can tackle climate change in nine different ways and capture the attention of many students in the classroom. Although the app was developed primarily for Czech teachers, its English version can be used internationally.

Keywords: geography education, educational resources, higher education, teacher education, climate change, conceptions of geography teaching

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