Vienna's Anthropocene in 3D

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Anthropogenic sediments are especially massive in urban environments. The interdisciplinary project "The Anthropocene Surge", funded by the Viennese Science and Technology Fund (WWTF, ESR18-040), is therefore focusing on the Anthropocene's sediments underneath the city of Vienna, dating back up to more than 2,000 years ago. This project combines the disciplines of geology, geochemistry, archaeology, history, geoinformatics and arts and aims to contribute to the discussion of the term 'Anthropocene' in the above mentioned fields. Besides geochemical investigations of the anthropogenic sediments of Vienna and the creation of an essay film on Vienna's Anthropocene, one main aim of the project is to develop a 3D model of the anthropogenic layers under Vienna, showing not only their present form but also how they evolved through time. This talk aims at providing first preliminary results of the geoinformatics part of the project. The 3D model is based on well core and excavation data from the city of Vienna, showing the anthropogenic sediments extending to more than 12 m depth in the inner district.