



Seismic sequence stratigraphy in the southern Vienna Basin

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The Vienna Basin is a well-studied basin. This is especially true for the basin north of Vienna. In the southern part of the basin only a few studies have been carried out, with the focus of these studies on the 3D seismic Moosbrunn. In the area of the Leopoldsdorf fault system and the Schwechat depression no sequence stratigraphic interpretation has been done yet. In the project area only several 2D seismic sections from the 80s are available. The focus of this interpretation is on the one hand on a detailed description of the prae-neogene basement, and on the other hand on the identification of the various sequences of the neogene. By applying a sequence stratigraphic approach it is possible to determine boundaries of sedimentary facies. By mapping these boundaries on several 2D seismic sections we can determine the geometries of sedimentary facies to some degree and thus to build a 3D model of the neogene sediments.