## ACOUSTICS2008/1408 Using the soundscape approach to develop a public space in Berlin - measurement and calculation

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In this contribution the Soundscape Project" Nauener Platz" in Berlin is subject to different measurementand calculation methods to develop acoustical indicators and parameters into a database describing urban and other outdoor living areas with respect to physical conditions and their relevance for life. The "Nauener Platz" is carried out to rebuilt a difficult open space into a space which is dominated by social freedom. To obtain the physical quantities sound pressure levels in 1/3-octave bands were measured and artificial head recordings were taken to describe the current state. Combined with calculations using noise prediction software it was possible to verify the sound propagation data outside according to the measurements and allow predictions about planned arrangements. First estimations of these measurements and calculations will be presented. The Soundscape Project is a module of the Project "Nauener Platz - remodelling for young and old". This project is in the framework of the research program "Experimental Housing and Urban Development (Ex-WoSt)" of the "Federal Ministry of Transport, Building, and Urban Affairs (BMVBS)" by the "Federal Office for Building and Regional Planning (BBR)". It is related to the fields of research (ExWoSt) concerned with "Innovation of Urban Neighbourhoods for Families and the Elderly". The project executing organization is the Regional Office Berlin-Mitte.