

**ASA Fall 2013 - 166th Meeting of the Acoustical Society of America
San Francisco**

SS: Standardization in Soundscape

Authors: Brigitte Schulte-Fortkamp
Klaus Genuit
André Fiebig

Title: The urgent need for standardization of soundscape

In recent years the soundscape approach gains increasingly in importance. It has shown its potential dealing with environmental noise issues, which conventional noise control approaches frequently fail to cope with.

The soundscape concept is applied to comprehend the way humans experience and understand their acoustic environments. It does not simply reduce noise to an averaged acoustic quantity evoking unpleasantness estimated by statistical probabilities, but it considers noise as a valuable resource, which can be purposefully utilized.

The standardization of “soundscape” in ISO 12913 is currently in progress. The standard will include definitions, terms and a conceptual framework illustrating that soundscape goes beyond physics and psychoacoustics, since it reflects human perception including cognitive aspects, context and interaction.

The paper describes the progress in standardizing soundscape and the implications of the standard with its potential relevance to noise policy. Moreover, it discusses how to meet the challenge to standardize and harmonize the soundscape approach without losing the openness and multidimensionality of the soundscape idea.

Words: 162

INVITED

PACS: 43.66.Lj (Perceptual effects of sound); 43.50.Qp (Effects of noise on man and society)

Find more event abstracts in our >> [abstracts archive](#) <<

HEAD acoustics GmbH
Ebertstraße 30a
52134 Herzogenrath, Germany