



# 14th IC BEN Congress on Noise as a Public Health Problem



## **Community response to noise: Research progress in East Asia since IC BEN 1988**

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### **ABSTRACT**

After IC BEN 1988 we performed a cross-cultural study on community response to road traffic noise in Sweden and Japan. Thereafter community responses to road traffic and railway noises were compared between Hokkaido, a colder area of Japan, and Kyushu, a warmer area. To develop the noise study internationally, IC BEN Team 6 members constructed standardized noise annoyance scales initially in nine languages in 2001 and then three Asian languages, Chinese, Korean, and Vietnamese. Beginning in 2005 socio-acoustic surveys on community response to transportation noises have been conducted in Vietnam. From 2010 to 2012 a nationwide social survey on wind turbine noise was performed. These results were reflected on the WHO Environmental Noise Guidelines in 2018. For the future meta-analyses and noise policies, a socio-acoustic survey data archive (SASDA) was established in INCE/Japan in 2011 and has been used for the secondary analysis. The outline of the above research projects is briefly reviewed.

**Keywords (3-6):** Environmental Noise, Cross-culture, Standardized Noise Annoyance Scale, Vietnam, Wind Turbine Noise, Socio-Acoustic Survey Data Archive