

WEBINAR



Environmental Integrity & Excellence

GIS Assessment Tool for Road Traffic Noise Assessment Method

WEDNESDAY | **TIME**
Jan 31, 2024 | **6:30-7:30 PM**



Registration

LANGUAGE Cantonese with English terms

Guest Speakers

Mr. Chris Kwun-ting KWOK
Senior Environmental Protection Officer,
Environmental Protection Department

Mr. Vince Ho-kun MAK
Environmental Protection Officer,
Environmental Protection Department

Introduction

Road traffic noise is a prevalent environmental concern in Hong Kong. The unique and compact urban settings of Hong Kong, including the densely located high-rise buildings, roadside barriers and enclosures, flyover structures, extensive use of Low Noise Road Surfacing materials and innovative noise mitigation design (e.g. acoustic windows, balconies), have imposed specific challenges for evaluation of road traffic noise using computation modelling, which has to be employed for assessment of road traffic noise impact in various planning studies such as Noise Impact Assessment, Environmental Impact Assessment studies, Strategic Environmental Assessment studies, etc. The Environmental Protection Department (EPD) initiated a study to review the road traffic noise assessment methodologies adopted in mainland China, U.K., U.S. and Europe, and recommended a methodology “Road Traffic Noise Assessment Method Hong Kong (RONOSS-HK) for modelling the aforementioned complicated situations for Hong Kong. The study will also adopt Geographic Information Systems (GIS) platforms for utilization of GIS data readily available in EPD’s Central Environmental Database (CED) and other information in public domain for accurate road traffic noise prediction. The subject webinar provides an introduction to the assessment methodology and the assessment tool.

Enquires: activities@hkiqep.org

Organizer



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