

The First Workshop of REDMAP Project



REDMAP: Roadside Emissions in Dublin: Measurements & Projections

About the project

Emissions from real-world driving are often higher than estimated emission levels presented in the national inventory based on Euro emissions standards and type-approval tests; consequently, the air quality in cities has not improved as originally anticipated from fleet renewal and stringent emission regulations. To address this discrepancy, the REDMAP project aims to measure, model and project real vehicular emission levels of key pollutants (including NO, NO₂, PM and Ammonia) from in-use vehicles in Dublin. This project will measure real world emissions using remote sensing (RS) and Portable Emission Measurement Systems (PEMS).

The project partners are: Trinity College Dublin (TCD-Coordinator), University College Dublin (UCD), Ricardo Energy & Environment

Agenda

Time	Title of Talks
3:00-3:15pm	Opening remarks
3:15-3:35pm	Measuring real-world vehicle emissions using remote sensing
3:35-3:55pm	Quantifying emissions from vehicles using PEMS
3:55-4:15pm	Identifying high emitting vehicles from remote sensing campaign
4:15-4:35pm	Dispersion modelling of emissions from roads in Dublin using ADMS Roads
4:35-5:00pm	Panel discussion with project team

Date: 7th April, Thursday

Time: 3 pm

Venue: Online (Zoom)

Project Team

Dr. Bidisha Ghosh, School of Engineering, TCD (Coordinator)

Dr. Aonghus McNabola, School of Engineering, TCD

Dr. Srinath Mahesh, School of Engineering, TCD

Dr. William Smith, School of Mechanical & Materials Engineering, UCD

Dr. David Timoney, School of Mechanical & Materials Engineering, UCD

Mr. Paul Willis, Ricardo

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An Roinn Iompair,
Turasóireachta agus Spóirt
Department of Transport,
Tourism and Sport

