

09:00 Registration & Refreshments

Novel models and approaches

09:30 Introduction from Chair, **Roger Barrowcliffe**

09:35 Arun Kanchan, Director at Trinity Consultants - Prognostic Meteorological Models and their use in dispersion modelling

10:00 Dr Jesse Thé, President at Lakes Environmental - The New SCIPUFF Air Dispersion Model, With Comparison Against CALPUFF

10:25 Ji Ping Shi, Senior Technical Specialist at Natural Resources Wales - Use of the German Weather Services KLAM model to investigate the cold air drainage flow in valley area for regulatory assessment

10:50 Refreshments

Regulatory modelling, with a focus on habitats

11:30 Sofia Girnary, Senior Advisor - Air Quality Modelling & Assessment Unit at Environment Agency - Air quality assessments for environmental permit applications

11:55 Professor David Fowler, CBE at Centre for Ecology and Hydrology - Modelling the deposition of pollutants on habitats

12:20 Ben Marner, Technical Director at Air Quality Consultants - Modelling development-related changes in concentrations and deposition to habitats

12:45 Lunch

Uncertainty, sensitivity and a glimpse into the future

13:45 Introduction from Chair, **Roger Barrowcliffe**

13:50 Professor Alison Tomlin, Professor at University of Leeds – The treatment of uncertainty in models

14:15 Dr Catheryn Price, Senior Consultant at CERC – Source terms and model sensitivity’ or ‘The sensitivity of dispersion model predictions to source term parameters

14:40 Scott Hamilton, Principal Consultant and Technical Lead – Air Pollution at Ricardo – Air quality modelling of new and emerging vehicle technologies- what can they deliver in Central Scotland?

15:15 Refreshments

Insights from CFD modelling

15:30 Austin Cogan, Air Quality Consultants - Modelling street canyons: Comparison of ADMS-Roads and CFD modelling

15:55 Ruth Shilston, Senior Engineer and Project Manager at RWDI - Comparison of wind tunnel and CFD modelling for nearfield dispersion from an exhaust stack

16:20 Rosie Davies, Environmental Consultant at Arup - Advanced Gaussian Model or CFD?

16:45 Conference Close