



National Integrated Assessment Modelling

***Report on meeting at IIASA
21 March 2011
(Tim Oxley, Imperial College)***

Summaries of national activities:-

developments in IAM in EECCA countries- Russian Federation, Ukraine, Belarus-> new coordinating group

French plans to implement GAINS

UK: urban modelling, CHP, assessing protection of SSSIs

Ireland: Uncertainty analysis and policy related scenarios

Italy: urban air quality modelling & source apportionment

OPERA project- regional scale IAM including review of current IAM modelling-> NIAM website

Special topics:

Short lived climate forcing & MACEB project (Mitigation of Arctic warming by Controlling Black Carbon)- collaboration including IIASA & Finland

Biofuels- work by Sweden to provide GAINS compatible script

International Shipping- investigation of scheme for emission trading (Belgium)

Evolution of emission projections re attainment of 2010 ceilings; case study for Ireland

Targeted session on road transport and urban modelling

Key uncertainties in developing COPERT model (Leonidas Ntziachristos)+ Jens Borken explaining linking of COPERT & GAINS

Dutch overview re attainability of NO₂ limit values and NO_x emission ceilings; forward look to Euro V/VI truck emissions in urban driving cycles

UK inter-comparison study urban AQ models & measurements including UKIAM/BRUTAL; new evidence on real world emissions from remote sensing; importance primary NO₂

Work in Univ of Stuttgart, Spain (Madrid) & Poland (Warsaw) on multi-scalar modelling down to road-side

FAIRMODE project coordinated by JRC Ispra: *focused on urban scale modelling with packages on evaluation of urban models and emissions- NIAM modellers encouraged to participate*

Urban modelling in the EC4MACS project : *downscaling of the CHIMERE model to a 7x7 km grid for the “urban enhancement” approach in GAINS*

**** Future Funding?***

All presentations on NIAM web-site: www.niam.scarp.se