

REGIONAL TRAINING COURSE ON METHODS AND MODELS TO ASSESS TRANSBOUNDARY TRANSPORT OF ATMOSPHERIC AIR PARTICULATE MATTER
 Organized within IAEA Regional project RER 1013: Supporting Air Quality Management
 Institute of Nuclear Research of the Hungarian Academy of Sciences; Debrecen, Hungary, 13 –17 October, 2014

Preliminary Program

Morning sessions

	Monday, 13 October	Tuesday, 14 October	Wednesday, 15 October	Thursday, 16 October	Friday, 17 October
09:00-09:45	Welcome address(es): INR official Mrs. Zsófia KERTÉSZ, Course organizer Auditorium	The general circulation and implications for pollution transport (P. Salvador) Auditorium	Statistical methods of trajectory analysis for APM studies: Conditional probability function (CPF), potential source contribution function (PSCF), residence time and cluster analysis (P. Salvador) Auditorium	Introduction to Lagrangian and Eulerian air pollution models for regional and large-scale dispersion modelling (M. Sofiev) Auditorium	Statistical methodologies for model validation, analysis of the measurement data (M. Sofiev) Auditorium
09:45-10:30	Self-Introduction of the participants: Previous experience and expectations from RTC Auditorium				
10:30-10:45	Coffee Break				
10:45 – 12:30	Laboratory visits (Laboratory of Ion Beam Analysis, AMS Laboratory)	Intercontinental pollution transport: mechanisms and case studies. (P. Salvador) Auditorium	Examples of trajectory statistical analyses (P. Salvador) Auditorium	Ensemble dispersion forecasting: concept, approach and indicators (M. Sofiev) Auditorium	Practical exercise on analysis of data and model validation (M. Sofiev) Auditorium
12:30 – 14:00	Lunch				

REGIONAL TRAINING COURSE ON METHODS AND TOOLS TO IDENTIFY SOURCES OF AIR POLLUTION AND APPORTIONEMENT IN APM

Organized within IAEA Regional project RER 1013: Supporting Air Quality Management

Instituto Superior Técnico, Campus Tecnológico e Nuclear; Sacavém, Portugal, 02 –06 June, 2014

Preliminary Program

Afternoon sessions

	Monday, 13 October	Tuesday, 14 October	Wednesday, 15 October	Thursday, 16 October	Friday, 17 October
14:00 – 14:45	The Hungarian Air Quality Monitoring Network (V. Dézsi) Auditorium				
14:45 – 15:30	Using long range transport models to assess the transboundary transport of atmospheric particles: trajectory calculations and Emission Inventory methods (Z. Ferenczi and G. Kis-Kovács Hungarian Meteorological Service) Auditorium	Trajectory statistics - a method to establish source-receptor relationships (P. Salvador) Auditorium	Atmospheric circulation patterns. Description and representation at a synoptic scale. Circulation classifications methodologies. (P. Salvador) Auditorium	Introduction to HYSPLIT dispersion model: control files, case setup. (M. Sofiev) Auditorium	Introduction to SILAM dispersion model: control files, case setup. (M. Sofiev) Auditorium
15:30 – 15:45	Coffee Break				
15:45 – 17:15	Using long range transport models to assess the transboundary transport of atmospheric particles: trajectory calculations and Emission Inventory methods ((Z. Ferenczi and G. Kis-Kovács Hungarian Meteorological Service) Auditorium	Preparation of control files, case setup data. Feedback from participants, questions and discussions (P. Salvador) Auditorium	Examples of circulation classifications studies (P. Salvador) Auditorium	Introduction to HYSPLIT dispersion model: control files, case setup. (M. Sofiev) Auditorium	Feedback from participants, questions Update on status of the RER1013 sampling campaign (Z.Kertesz)

P.Salvador - Dr. Pedro Salvador (Department of Environment – CIEMAT, Spain)

M.Sofiev – Dr. Mikhail SOFIEV (Finish Meteorological Institute)