



HARMO20 DRAFT PROGRAM 10/06

NOTES:

- ✓ ***** updates in the scheduling may have changed the time of your presentation: PLEASE CHECK IT! *****
- ✓ **sessions on Friday 18/6 have been re-arranged for optimizing the scheduling**
- ✓ **the poster sessions have been reorganized in four groups, each one will be streamed twice during the week**
- ✓ **small changes in the schedule may still occur**

NB! The time zone in this program is CEST (GMT + 2h).

Worksup shows you the schedule in your time zone (according to settings of your device).

Participation in Special Sessions 1 and 2 is limited, 50 attendees each. Registration will be open in Worskup.

Topic 1. Model evaluation and quality assurance – model validation, model intercomparisons, model uncertainties and model sensitivities

Topic 2. Environmental impact assessment: Air pollution management and decision support systems

Topic 3. Use of modelling in support of EU air quality directives, including FAIRMODE activities

Topic 4. Parametrization of Physical Processes and Mathematical Problems in Meteorology and Air Quality Modelling.

Topic 5. Urban Scale and Street Canyon Modelling: Meteorology, Air Quality and Passive Control Systems

Topic 6. Use of modelling in health and exposure assessments

Topic 7. Inverse dispersion modelling and source identification

Topic 8. Modelling air dispersion and exposure to accidental releases

Topic 9. Highlights of past work. Session devoted to reviews and to prominent scientists and ‘golden papers’ of the past, which have still relevance and should not be forgotten

Special Session 1- Microscale modelling for ambient air quality directives

Special Session 1 - A CTM intercomparison platform to assess model sensitivities to emission changes

Special Session 3 - CORONA Virus Covid-19: effects of lockdown on air quality, possible connections with air pollution

THE SCHEDULE

TIME CEST	MONDAY 14/6	TUESDAY 15/6	WEDNESDAY 16/6	THURSDAY 17/6	FRIDAY 18/6
		Session 4 09:00-09:20 H20-027 Soulhac	Session 7 09:00-09:20 H20-152 Kakosimos	Session 9 09:00-09:20 H20-068 Mo	Session 11 09:00-09:20 H20-005 Ketzel
		Topic 5 09:20-09:40 H20-040 Horváth	Topic 2 09:20-09:40 H20-007 Bisignano	Topic 4 09:20-09:40 H20-049 Ferrero	Topic 6 09:20-09:40 H20-025 Borge
		09:40-10:00 H20-008 Carissimo	09:40-10:00 H20-003 Karvosenoja	09:40-10:00 H20-039 Amicarelli	09:40-10:00 H20-058 Vecchiola
	09:45-10:00 Opening - Chair	10:00-10:20 H20-010 Martilli	10:00-10:20 H20-009 San Jose	10:00-10:20 H20-028 O'Neill	10:00-10:20 H20-031 Kumar
	10:00-10:20 Greeting - Local Host and Guest	10:20-10:40 H20-067 Veratti	10:20-10:40 H20-115 Garcia Vivanco	10:20-10:40 H20-056 Hertwig	10:20-10:40 H20-052 Khan
	10:20-11:00 Invited talk Henrichs - EU	10:40-11:00 poster session P3	10:40-11:00 H20-030 Mulder	10:40-11:00 poster session P3	10:40-11:00 H20-033 Armand
	11:00-11:20 break+entertainment	11:00-11:20 break+entertainment	11:00-11:20 break+entertainment	11:00-11:20 break+entertainment	11:00-11:20 break+entertainment
Session 1	11:20-11:40 H20-034 Lefebvre	Session 5 11:20-11:40 H20-144 Tchepel	Special Session 3 11:20-11:40 Invited talk Junninen	11:20-11:40 H20-081 Tiwari	Session 12 11:20-11:40 chat time
Topic 1	11:40-12:00 H20-013 Selvaratnam	Topic 5 11:40-12:00 H20-080 Papp	Topic 10 11:40-12:00 H20-136 Moussiopoulos	11:40-12:00 H20-020 Haikin	Topic 7 11:40-12:00 H20-026 Pisso
	12:00-12:20 H20-064 Alam	12:00-12:20 H20-143 Rodriguez-Rey	12:00-12:20 H20-141 Piccoli	12:00-12:20 poster session P4	12:00-12:20 H20-063 Watson
	12:20-12:40 H20-047 Flassak	12:20-12:40 poster session P4	12:20-12:40 H20-137 Rivas	chat time	12:20-12:40 H20-076 Nguyen
	12:40-13:00 poster session P1	chat time 12:40-13:00 plenary poster chat time	12:40-13:00 H20-142 Monteiro	chat time	12:40-13:00 H20-077 Malvestiti
	13:00-14:00 lunch	13:00-14:00 lunch	13:00-14:00 lunch	13:00-14:00 lunch	13:00-14:00 lunch
Session 2	14:00-14:20 poster session P2	Session 6 14:00-14:20 plenary poster chat time	14:00-14:20 H20-140 Armand	Session 10 14:00-14:20 Invited talk Fairmode Thu	Session 13 14:00-14:20 H20-041 Bartzis
Topic 1	14:20-14:40 H20-054 Božnar	Topic 5 14:20-14:40 H20-055 Agresti	14:20-14:40 H20-146 Velders	Topic 3 14:20-14:40 Invited talk Fairmode Thu	Topic 8 14:20-14:40 H20-083 Božnar
	14:40-15:00 H20-019 Velay-Lasry	14:40-15:00 H20-024 Mendil	14:40-15:00 H20-162 Hanna	14:40-15:00 H20-004 Janssen	14:40-15:00 H20-037 Korsakissok
	15:00-15:20 H20-012 Slimani	15:00-15:20 H20-035 Santiago	Session 8 15:00-15:20 poster session P1	15:00-15:20 H20-011 Jung	15:00-15:20 H20-078 Quérel
	15:20-15:40 H20-057 Geertsema	15:20-15:40 H20-015 Otalora	Topic 2 15:20-15:40 H20-043 Barmpas	15:20-15:40 H20-145 Nony	15:20-15:40 H20-071 Saunier
	15:40-16:00 H20-090 Štefánik	15:40-16:00 H20-120 Batchvarova	15:40-16:00 H20-138 Ribstein	15:40-16:00 H20-001 Thunis	15:40-16:00 H20-062 Borrego
	16:00-16:20 break	16:00-16:20 break	16:00-16:20 break	16:00-16:20 break	16:00-16:20 break
Session 3	16:20-16:40 H20-066 Gašparac	Special Session 1 16:20-16:40 SS1 - introduction Martín	16:20-16:40 H20-023 Rafael	Special Session 2 16:20-16:40 SS2 - introduction Bessagn	Session 14 16:20-16:40 H20-016 Hanna
Topic 1	16:40-17:00 H20-079 Charvolin	16:40-17:00 SS1 discussion	16:40-17:00 H20-006 Rodriguez-Rey	16:40-17:00 SS2 discussion	Topic 8 16:40-17:00 H20-050 Alessandrini
Topic 9	17:00-17:20 H20-018 Hanna	17:00-17:20 SS1 discussion	17:00-17:20 H20-059 Barmpas	17:00-17:20 SS2 discussion	17:00-17:20 Closing
chat time	17:20-17:40 plenary poster chat time	17:20-17:40 SS1 discussion	17:20-17:40 poster session P2	17:20-17:40 SS2 discussion	
chat time	17:40-18:00 plenary poster chat time	17:40-18:00 SS1 discussion	chat time 17:40-18:00 plenary poster chat time	17:40-18:00 SS2 discussion	
		18:00-18:20 SS1 discussion		18:00-18:20 SS2 discussion	

TIME CEST MONDAY 14/6

	09:45-10:00	Opening - Chair		
	10:00-10:20	Greeting - Local Host and Guest		
	10:20-11:00	Invited talk Thomas Henrichs - EU	Vicente Franco	Air Quality-revision of EU Rules
	11:00-11:20	break+entertainment		
Session 1	Chair	Helge Olesen		
Topic 1	11:20-11:40	H20-034 Wouter Lefebvre	Felix Deutsch, Jeroen Staelens, David Roet, Wendy Swaans	Validation of a high resolution air quality modelling chain for nitrogen modelling in Flanders
	11:40-12:00	H20-013 Vibha Selvaratnam	Helen Webster, David Thomson, Ben Devenish	The impact of high time resolution meteorology on dispersion models
	12:00-12:20	H20-064 Boulos Alam	Amir Ali Feliz, Pierre Ngae, Pramod Kumar, Hamza Kouich, Amer Chupon	CFD modelling of atmospheric dispersion using non-isotropic turbulence model: application to Idaho Falls experiment in low wind stable conditions
	12:20-12:40	H20-047 Thomas Flassak	Helmut Lorentz	Comparison of the microscale flow and dispersion model MISKAM against a new wind tunnel validation dataset for an idealized built-up area
Poster session	12:40-13:00	poster session P1		
	13:00-14:00	lunch		
Session 2	Chair	Ekaterina Batchvarova		
Poster session	14:00-14:20	poster session P2		
Topic 1	14:20-14:40	H20-054 Marija Božnar	Primož Mlakar, Boštjan Grašič	Automated Control of Measurements and Data for Air Pollution Modelling
	14:40-15:00	H20-019 Fanny Velay-Lasry	Gaëlle Dufour, Armand Albergel, Yves Balkanski,, Matthias Beekmann, Zhaonan Cai, Audrey Cheiney, Juan Cuesta, Claude Derognat, Maxim Eremenko, Gilles Foret, Robin Goix, Didier Hauglustaine, Mathieu Lachatre, Benoit Laurent, Yi Liu, Fan Meng, Guillaume Siour, Shu Tao, Qijie Zhang, Yuli Zhang	PolEASIA Project: Pollution in Eastern Asia – towards better Air Quality Prevision and Impacts' Evaluation
	15:00-15:20	H20-012 Mehdi Slimani	Lionel Soulhac, Gullevic Lamaison, Patrick Armand, Luc Patryl	CFD RANS and LES simulations for the validation of the BUILD (Building Urban and Industrial Lagrangian Dispersion) model, on isolated obstacle and network of streets configurations

	15:20-15:40	H20-057 Gertie Geertsema		Lessons learnt at the EU-CONFIDENCE dissemination workshop on the propagation of Meteorological Uncertainties
	15:40-16:00	H20-090 Dušan Štefánik	Jana Matejovičová, Jana Krajčovičová, Tereza Šedivá, Juraj Beňo	Calculation of the transboundary pollution by CMAQ chemical transport model and the assessment of the non-linearity effect
	16:00-16:20	break		
Session 3	Chair	Ioannis Bartzis		
Topic 1	16:20-16:40	H20-066 Goran Gašparac	Amela Jeričević, Branko Grisogono	Implementation of the air quality modelling systems over complex urban area with diverse air pollution sources
	16:40-17:00	H20-079 Perrine Charvolin	Lionel Soulhac, Guillevic Lamaison, Philippe Laguionie, Olivier Connan, Johann Chardeur, Olivier Cazimajou, Luc Solier, Irène Korsakissok, Sophie Vecchiola, Anne Mathieu, Malo Le Guellec, Amita Tripathi Lamaison, Philippe Laguionie	Evaluation of a Lagrangian dispersion model coupled with a CFD wind field database against a new full scale tracer experiment
Topic 9	17:00-17:20	H20-018 Steven Hanna		Overview of Gifford's 1959 paper that first justifies inverse modelling
Chat time	17:20-17:40	plenary poster chat time		
Chat time	17:40-18:00	plenary poster chat time		

TIME CEST TUESDAY 15/6

Session 4	Chair	Silvana Di Sabatino			
Topic 5	09:00-09:20	H20-027	Lionel Soulhac	Guillevic Lamaison, Pierrine Charvolin, Mehdi Slimani, Patrick Armand, Luc Patryl	Development of BUILD (Building Urban and Industrial Lagrangian Dispersion), a new operational dispersion model
	09:20-09:40	H20-040	Zoltán Horváth	Bence Liskai, László Környei, Ákos Kovács, Csaba Toth, Tamás Budai	HiDALGO UAP, a tool for AQD-respecting microscale modelling of urban air pollution
	09:40-10:00	H20-008	Bertrand Carissimo	Martin Ferrand, Cedric Flageul, Raphael Bresson, Eric Dupont	Driving the large scale meteorological and concentration air flow for neighbourhood scale time varying air quality simulations
	10:00-10:20	H20-010	Alberto Martilli	Beatriz Sanchez, Andrea Zonato, Domingo Rasilla, Fernando Allende, Gianluca Pappaccogli, Felipe Fernandez	Simulating meteorology and dispersion under strong thermal inversion. An example from Madrid
	10:20-10:40	H20-067	Giorgio Veratti	Alessandro Bigi, Sara Fabbi, Aurelia Lupascu, Gianni Tinarelli, Sergio Teggi, Giuseppe Brusasca, Tim M. Butler, Grazia Ghermandi	The development of a building-resolved air quality forecast system by a multi-scale model approach and its application to Modena urban area, Italy
Poster session	10:40-11:00	poster session P3			
	11:00-11:20	break+entertainment			
Session 5	Chair	Marko Kaasik			
Topic 5	11:20-11:40	H20-144	Oxana Tchepel	Noela Pina, Susana Marta Almeida, Inês Lopes, Joana Coutinho, Ismael Casotti Rienda, Teresa Nunes, Casimiro Pio, Celia Alves	Local contribution of residential heating to black carbon aerosols in Coimbra urban area: modelling and measurements
	11:40-12:00	H20-080	Bálint Papp	Gergely Kristof	The role of thermal convection in the dispersion of traffic-induced air pollutants in the urban environment
	12:00-12:20	H20-143	Daniel Rodriguez-Rey	Marc Guevara, MaPaz Linares, Josep Casanovas, Jaime Benavides, Oriol Jorba, Albert Soret, Carlos Pérez García-Pando	Modelling the impact of urban mobility policies on emissions and air quality levels in Barcelona (Spain)
	12:20-12:40	poster session P4			
Chat time	12:40-13:00	plenary poster chat time			
	13:00-14:00	lunch			
Session 6	Chair	David Carruthers			
Chat time	14:00-14:20	plenary poster chat time			

Topic 5	14:20-14:40	H20-055	Valentina Agresti	Andrea Amicarelli, Guido Pirovano, Anna Toppetti	<i>Urban scale air quality assessment with a harmonized multi-scale model</i>
	14:40-15:00	H20-024	Mouhcine Mendil	Sylvain Leirens, Patrick Armand	Synthetic Data and Deep Neural Networks for Atmospheric Dispersion Modelling in Urban Areas
	15:00-15:20	H20-035	Jose Santiago	E. Rivas, R. Buccolieri, A. Martilli, M.G. Vivanco, E. Gatto, F. Martín	Towards a comprehensive urban air quality modelling and population exposure assessment: relationship between outdoor pollutant concentration in sidewalks and indoor pollution inside buildings
	15:20-15:40	H20-015	Marcia Otalora	Lionel Soulhac, Guillevic Lamaison, Chi Vuong Nguyen, Maxime Nibart, Jacques Moussafir, Claude Derognat, Paolo Monti	Application to define a methodology for data assimilation of mobile micro-sensors using LES
	15:40-16:00	H20-120	Ekaterina Batchvarova	Damyán Barantiev, Reneta Dimitrova, Hristina Kirova, Rosen Penchev, Maria Kolarova, Evgeni Vladimirov, Ventsislav Danchovski, Orlin Gueorguiev	Modelled and measured ABL characteristics for the city of Sofia
16:00-16:20		break			
Special Session 1	Chair	Fernando Martín		Microscale modelling for ambient air quality directives	
16:20-16:40		Fernando Martín		SS1 -introduction	
16:40-17:00		SS1 discussion			
17:00-17:20		SS1 discussion			
17:20-17:40		SS1 discussion			
17:40-18:00		SS1 discussion			
18:00-18:20		SS1 discussion			

TIME CEST WEDNESDAY 16/6

Session 7	Chair	Carlos Borrego		
Topic 2	09:00-09:20	H20-152 Konstantinos Kakosimos	Hala Hassan, Prashant Kumar	Development and Application of Emission Models for Fugitive Particulate Matter in Arid and Semi-Arid Regions
	09:20-09:40	H20-007 Andrea Bisignano	Lorenzo Giovannini	A modelling chain for establishing a low emission corridor through the Alps
	09:40-10:00	H20-003 Niko Karvosenoja	Mikko Savolahti, Ville-Veikko Paunu, Joonas Munther, Jaakko Kukkonen, Timo Lanki	Operational health damage cost model for municipality policy assessments
	10:00-10:20	H20-009 Roberto San Jose	Juan L. Pérez	High resolution impacts of green areas on air quality in Madrid
	10:20-10:40	H20-115 Marta Vivanco	J.L. Garrido, V. Gil, M. Theobald, F. Martín, Yolanda Lechón, Ana Gamarra, Eugenio Sánchez, J.L. Santiago	Impacts of the National Air Pollution Control Programme on air quality and health in Spain
	10:40-11:00	H20-030 Marie Mulder	D. Arnold, M. Hirtl, S. Natali	Innovative applications for the augmented use of satellite observations to support air quality management
	11:00-11:20	break+entertainment		
Special Session SS3	Chair	Philippe Thunis		
Topic 10	11:20-11:40	Invited talk Heikki Junninen	N. Flores, M. Vana, K. Tamme, H. Lipp, S. Pikker, A. Juur	CORONA Virus Covid-19: effects of lockdown on air quality, possible connections with air pollution
	11:40-12:00	H20-136 Nicolas Moussiopoulos	George Tsegas, Eleftherios Chourdakis	Particle filtration efficiency and breathability of commonly used facial masks and awareness rising campaign for general public in Estonia
	12:00-12:20	H20-141 Andrea Piccoli	Valentina Agresti, Elena Chianese, Guido Pirovano, Angelo Riccio	Air Quality Impacts of the COVID-19 Lockdowns: Observations, Modelling and Some First Conclusions
	12:20-12:40	H20-137 Esther Rivas	Jose Luis Santiago, Fernando Martín, Alberto Martilli	Modelling COVID19 lockdown impact on the Italian Lombardy region air quality: assessing of two methods
	12:40-13:00	H20-142 Alexandra Monteiro	Carla Gama, Hélder Relvas	Preliminary study of natural ventilation in indoor/semi-indoor terraces
	13:00-14:00	lunch		
14:00-14:20	H20-140 Patrick Armand			From the COVID pandemic through air quality improvement and health benefits estimation
14:20-14:40	H20-146 Guus Velders	Saskia Willers, Joost Wesseling, Sef van den Elshout, Eric van der		3D dispersion simulations of droplets carrying the SARS-CoV-2 virus in semi-confined vented spaces – Application to a rail coach
				Improvements in air quality in the Netherlands during the corona lockdown

Swaluw, Dennis Mooibroek, Sjoerd
van Ratingen

14:40-15:00 H20-162 Steven Hanna

Indoors modeling of near-field dispersion of gas and small aerosol emissions from a person's mouth

Poster session 15:00-15:20 *poster session P1*

Session 8 *Chair* **László Bozó**

Topic 2 15:20-15:40 H20-043 Fotios Barmpas

Nicolas Moussiopoulos, Evangelia Fragkou, George Tsegas, Athanasios Karagkounis

Modelling methodology for assessing atmospheric impacts from smart farming application

15:40-16:00 H20-138 Bruno Ribstein

Giovanni De Nunzio, Mohamed Laraki, Laurent Thibault, Damien Piga, Benjamin Rocher, Frédéric Mahé1, Maxime Nibart

Modelling real-world traffic pollutant emissions and urban air quality at with high spatial and temporal resolution

16:00-16:20 break

16:20-16:40 H20-023 Sandra Rafael

Bruno Augusto, Ana Ascenso, Carlos Borrego, Ana Isabel Miranda

Assessing the effects of nature on future air quality: Porto case study

16:40-17:00 H20-006 Daniel Rodriguez-Rey

Marc Guevara, Paz Linare, Josep Casanovas, Jaime Benavides, Oriol Jorba, Albert Soret

Coupling between traffic, emission and air quality models for the evaluation of air quality plans

17:00-17:20 H20-059 Fotios Barmpas

Christos Boikos, George Tsegas, Nicolas Moussiopoulos, Nicolas Rapkos, Socratis Mamarikas, Leon Ntziachristos

Assessing emission control compliance and the corresponding effects on the air quality of coastal and harbour areas

Poster session 17:20-17:40 *poster session P2*

Chat time 17:40-18:00 *plenary poster chat time*

TIME CEST THURSDAY 17/6

Session 9	Chair	Bertrand Carissimo			
Topic 4	09:00-09:20	H20-068	Ziwei Mo	Chun-Ho Liu, Yat-Kiu Ho	Mean Wind Parametrization and Turbulence Characteristics of Roughness Sublayer over Real Urban Morphology of Hong Kong
	09:20-09:40	H20-049	Enrico Ferrero	Stefano Alessandrini, Scott Meech, Dietmar Oettl	Assessment of a Lagrangian stochastic particle model for concentration variance with field data
	09:40-10:00	H20-039	Andrea Amicarelli	Stefano Alessandrini, Giordano Agate, Enrico Ferrero, Guido Pirovano, Gianni Tinarelli, Silvia Trini Castelli	Modelling 3D dry deposition of particulate matter for micro-scale air quality: coupling a new scheme with an existing Lagrangian stochastic model
	10:00-10:20	H20-028	James O'Neill	Martin Seaton, Kate Johnson, Jenny Stocker, Christina Hood, David Carruthers	Development and evaluation of a model for pollutant dispersion from elevated roads
	10:20-10:40	H20-056	Denise Hertwig	Christina Vanderwel, Sue Grimmond, Hannah Gough, Xiaoxue Wang, Matthew Coburn, George Meachim	Dispersion and exchange of pollutants in a tall-building cluster in Beijing
	10:40-11:00	poster session P3			
	11:00-11:20	break+entertainment			
11:20-11:40	H20-081	Arvind Tiwari	Prashant Kumar	An integrated modelling framework to assess air pollution reduction through green infrastructure in urban settings	
11:40-12:00	H20-020	Nitsa Haikin	Silvia Trini Castelli	Air Pollution Dynamics along a Low-Level-Jet Event in Complex Terrain: A High-Resolution Study Employing RAMS	
12:00-12:20	poster session P4				
12:20-12:40	plenary poster chat time				
12:40-13:00	plenary poster chat time				
13:00-14:00	lunch				
Session 10	Chair	Peter Suppan			
Topic 3	14:00-14:20	Invited talk Fairmode			
	14:20-14:40	Philippe Thunis			
	14:40-15:00	H20-004	Stijn Janssen	Jorge Sousa, Hans Hooyberghs, Wouter Lefebvre, Stijn Vranckx	The potential of low-cost sensor networks to improve near-real time mapping applications
15:00-15:20	H20-011	Daeun Jung	Rafael Borge, Iciar Lejarraga, Enrique Crespo, Ricardo Vargas,	A novel modelling-based method for air quality zoning. Application to the Madrid Region	

			David de la Paz, Jose María Cordero, Jaime S. Gallego	
15:20-15:40	H20-145	Bastien Nony	Mélanie Rochoux, Didier Lucor, Thomas Jaravel	Compound parametric metamodeling of large-eddy simulations for microscale atmospheric dispersion applications
15:40-16:00	H20-001	Philippe Thunis	A. Clappier, L. Tarrason, C. Cuvelier, A. Monteiro, E. Pisoni, J. Wesseling, C. A. Belis, G. Pirovano, S. Janssen, C. Guerreiro, E. Peduzzi	Source apportionment to support air quality planning: strengths and weaknesses of existing approaches
16:00-16:20	break			
Special Session 2	Chair	Bertrand Bessagnet	A CTM intercomparison platform to assess model sensitivities to emission changes	
16:20-16:40		Bessagnet/Monteiro	SS2 - introduction	
16:40-17:00			SS2 discussion	
17:00-17:20			SS2 discussion	
17:20-17:40			SS2 discussion	
17:40-18:00			SS2 discussion	
18:00-18:20			SS2 discussion	
18:30-20:30	VERY SPECIAL SESSION	Music, ice-breaking and best-poster prizes: stay with us!		

TIME CEST FRIDAY 18/6

Session 11	Chair	Clemens Mensink			
Topic 6	09:00-09:20	H20-005	Matthias Ketznel	Steen Solvang Jensen, Jibran Khan, Victor Hugo Valencia Alvear, Lise Marie Frohn, Jesper Heile Christensen, Jørgen Brandt	High-Resolution Air Pollution for Denmark over 40 Years – input to health effect assessment
	09:20-09:40	H20-025	Rafael Borge	Rebeca Izquierdo, David de la Paz, Saul García Dos Santos, Beatriz Nuñez, Denis Sarigiannis, Elena Boldo	Madrid's Plan A Health Impact Assessment
	09:40-10:00	H20-058	Sophie Vecchiola	Malo Le Guellec, Liying Chen, Thinh Lai Tien, Philippe Laguionie, Olivier Connan, Johann Chardeur, Olivier Cazimajou, Luc Solier, Perrine Charvolin-Volta, Irène Korsakissok, Lionel Soulhac, Amita Tripathi, Anne Mathieu	Dispersion of radionuclides in a urban environment (DIFLU) : comparison of numerical results with experimental measurements
	10:00-10:20	H20-031	Prashant Kumar	Gopinath Kalaiarasana, Mamatha Tomsona, Arvind Tiwaria, Sarkawt Hamaa	Fine and ultra fine particles in micro environments of London: Findings of INHALE project
	10:20-10:40	H20-052	Jibran Khan	Maria Bech Poulsen, Clive Sabel, Rikke Dalgaard, Matthias Ketznel, Torben Sigsgaard, Christian Erikstrup, Carsten Bøcker Pedersen, Ole Hertel	A dynamic activity-based modelling approach to estimate exposure to air pollution in Copenhagen
	10:40-11:00	H20-033	Patrick Armand	Christophe Duchenne	A new methodology based on 3D multi-scale modelling to assess the impact on health and the environment of industrial facilities
11:00-11:20 break+entertainment					
Session 12	Chair	Nicolas Moussiopoulos			
	11:20-11:40	plenary poster chat time			
Topic 7	11:40-12:00	H20-026	Ignacio Pisso	Susana Lopez-Aparicio, Dam Vo Tanh, Philipp Schneider, Matthias Vogt, Franck Delauge, Norbert Schmidbauer, Terje Krognnes	Inverse transport and dispersion modelling for the Oslo area for urban greenhouse gas emissions assessment
	12:00-12:20	H20-063	Victor Watson	Francois Septier, Patrick Armand, Christophe Duchenne	New insights into inverse dispersion modelling and probabilistic source term estimate at local scale in complex environments

	12:20-12:40	H20-076	Chi Vuong Nguyen	Lionel Soulhac, Guillevic Lamaison, Pierrine Charvolin	Direct and inverse modelling of atmospheric dispersion and gamma radiation in the context of crisis management of accidental or deliberate radioactive releases: the TERRIFIC project
	12:40-13:00	H20-077	Giulia Malvestiti	E. Angelino, A. Marongiu, M. Moretti, E. Peroni	Estimating ammonia emission flow by the implementation of reverse modelling
	13:00-14:00	<i>lunch</i>			
Session 13	Chair	<i>Matthias Ketzel</i>			
Topic 8	14:00-14:20	H20-041	Ioannis Bartzis	Thalia Xenofontos, Ioannis. A. Sakellaris, Spyros Andronopoulos	Quantifying uncertainties in air pollutant exposure modelling from accidental point releases
	14:20-14:40	H20-083	Marija Zlata Božnar	Primož Mlakar, Boštjan Grašič, Borut Breznik	Automated calculation of diagnosis and 7-day forecast of relative concentrations for assessing a potential accident
	14:40-15:00	H20-037	Irène Korsakissok	Spyros Andronopoulos, Poul Astrup, Peter Bedwell, Erik Berge, Heiko Klein, Susan Leadbetter, Raphaël Périllat, Arnaud Quérel, Olivier Saunier, Andrey Sogachev, Jasper Tomas, Magnus Ulmoen	Uncertainty quantification of the atmospheric dispersion simulations: inter-comparison of ensemble results for the Fukushima accident
	15:00-15:20	H20-078	Arnaud Quérel	Denis Quélo , Jubricia Baboussadiambou Mamadou, , Thierry Doursout	Wet deposition modelling capabilities investigated through a comprehensive study of dose rate peaks events due to atmospheric radon
	15:20-15:40	H20-071	Olivier Saunier	Jérôme Groëll, Eric Sevault, Denis Quélo	Robustness of a reconstructed source term to meteorological resolution: application to the case study of Ruthenium-106 release
	15:40-16:00	H20-062	Carlos Borrego	Micael Rebelo, Sandra Sorte, Ricardo Martins, Sandra Rafael, Fábio Morgado, Carlos Borrego, Jan Keizer, Ana Isabel Miranda	Physical Modelling of Wind Erosion on Wildfire Ash Loads
	16:00-16:20	<i>break</i>			
Session 14	Chair	<i>Silvia Trini Castelli</i>			
Topic 8	16:20-16:40	H20-016	Steven Hanna		Testing of an analytical formula for estimating maximum plume rise and touchdown for a dense plume, using the Jack Rabbit II Trial 8 observations
	16:40-17:00	H20-050	Stefano Alessandrini	Scott Meech, Yongxin Zhang, Chris Rozoff	New Features of the Global Climatological Analysis Tool (GCAT)
	17:00-17:20	Closing			

THE POSTER PROGRAM

TIME CEST MONDAY 14/6 @ 12:40-13:00

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WEDNESDAY 16/6 @ 15:00-15:20

POSTER SESSION P1

Topic	Poster n. and author	Coauthors	Title
T1	H20-161 Annachiara Bellini	Ferrarese S., Golzio A. , Magri T. , Pession G., Diémoz H.	Two case-studies of atmospheric pollutant dispersion modelling over Alpine complex mountainous terrain
T1	H20-114 Maja Telišman Prtenjak	Boris Mifka	The Saharan dust episodes over North Adriatic
T1	H20-100 Katherine Coward	Paul Agnew, Lucy S. Neal, Vivien B. Bright, Nicholas H. Savage, Pedro Molina Jimenez	A comprehensive air quality verification system
T1	H20-092 Robert Hanfland	Margit Pattantyús-Ábrahám, Anke Roiger, Christiane Voigt	Validation of Atmospheric Radionuclide Transport Model (ARTM)
T1	H20-107 Andrea Pineda Rojas	Emilio Kropff	Exploring error types and performance of an air quality model through clustering analysis
T1	H20-132 Tereza Šedivá	Dušan Štefánik	<i>The impact of plume rise on modelled SO2 concentration profiles</i>
T10	H20-153 Raphaël Perillat	Sylvain Girard, Irène Korsakissok	Emulators for the rapid prediction of consequences in case of nuclear hazards
T10	H20-147 Gino Briganti	Andrea Cappelletti, Antonio Piersanti, Luisella Ciancarella, Massimo D'Isidoro, Mario Adani, Guido Guarnieri, Marta Chinnici, Ilaria D'Elia	Computational tests to improve the spatial resolution of the Atmospheric Transfer Matrices of the integrated assessment model MINNI
T10	H20-154 Chirag Bhimani	Sangram Kadam, Bhavin Jambucha	Effect Of Lockdown On Air Quality Of India During Covid-19 Pandemic

TIME CEST MONDAY 14/6 @ 14:00-14:20

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WEDNESDAY 16/6 @ 17:20-17:40

POSTER SESSION P2

Topic	Poster n. and author	Coauthors	Title
T1	H20-101 Giorgio Veratti	Alessandro Bigi, Sara Fabbi, Grazia Ghermandi	PMSS and GRAL inter-comparison: strengths and weaknesses of the two models in reproducing urban NOx levels in a real case application
T1	H20-125 Gertie Geertsema	Marko Kaasik	Accuracy of wind direction measurements in relation to dispersion modelling
T1	H20-122 Aare Luts	Marko Kaasik, Marek Maasikmets, Urmas Hörrak, Heikki Junninen	Links between the concentrations of gaseous pollutants measured in different regions of Estonia
T1	H20-126 Georgi Gadzhev	Vladimir Ivanov, Kostadin Ganey	Modelling of dry and wet deposition processes for the Sulphur and Nitrogen compounds over the Balkan Peninsula
T8	H20-104 Stefan Rüdüsühli	Pirmin Kaufmann	Visualization of Ensemble Dispersion Simulations at MeteoSwiss
T8	H20-094 Uwe Kaeuflin	Saverio La Mendola, Bernd Leitl	Best practice guide on pollutant dispersion simulations with the commercial tool "ANSYS fluent" at CERN
T8	H20-149 Elisabetta Angelino	A. Marongiu, G. Fossati, M. Moretti, E. Peroni, A. Pantaleo, G. Malvestiti, M. Abbattista, G. Lanzani, E. Bravetti	Impact assessment on air quality in Lombardy of the limitations for contrasting the diffusion of COVID-19
T8	H20-160 Georgi Gadzhev	Vladimir Ivanov, Kostadin Ganey	Modelling of dry and wet deposition processes for the Sulphur and Nitrogen compounds over Bulgaria

TIME CEST TUESDAY 15/6 @ 10:40-11:00

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THURSDAY 17/6 @ 10:40-11:00

POSTER SESSION P3

Topic	Poster n. and author	Coauthors	Title
T6	H20-116 Denise Hertwig	Izzy Capel-Timms, Stefan T. Smith, Ting Sun, Sue Grimmond	Assessing variability of pollution exposure in different neighbourhoods of London
T6	H20-109 Jose Santiago	E. Rivas, M.G. Vivanco, R. Buccolieri, A. Martilli, Y. Lechón, F. Martín	Estimates of Population Exposure to Airborne Pollutants in a Real City: Sensitivity Analysis to the Spatial Resolution of the Pollutant Concentration and Population Data
T6	H20-115 Marta Vivanco	J.L. Garrido, V. Gil, M. Theobald, F. Martín, Yolanda Lechón, Ana Gamarra, Eugenio Sánchez, J.L. Santiago	Impacts of the National Air Pollution Control Programme on air quality and health in Spain
T2	H20-096 Hiroshi Takimoto	Hirki Ono, Ayumu Sato	Applications of CFD models for the environmental impact assessment of thermal power plants
T2	H20-117 Sandra Rafael	Luís Pita Correia, Diogo Lopes, Ana Isabel Miranda, Jorge Bandeira	InFLOWence project: Autonomous vehicles opportunities for air quality
T2	H20-093 Elisabetta Angelino	A. Marongiu, G. Fossati, M. Moretti, E. Peroni	Air pollution management and decision support systems: the IN.EM.AR. emission modelling system
T2	H20-159 Terje Tammekivi	Marko Kaasik	Contributions of street transport, residential heating and local industrial sources to air pollution in a small town in Estonia
T2	H20-044 Marta Vivanco	J.L. Garrido, V. Gil, M. Theobald, F. Martín, J.L. Santiago	Impacts on ozone formation of the reduction of NOx emissions expected for Spain in 2030

TIME CEST TUESDAY 15/6 @ 12:20-12:40

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THURSDAY 17/6 @ 12:00-12:20

POSTER SESSION P4

T5	H20-150 Konstantinos Kakosimos	Nawayd M Shaikh, Neil Adia, Luc Vechot	Fully coupled and dynamic dispersion-exposure-response modelling of crowd evacuation in case of airborne toxics incidents
T5	H20-095 Gabriela Sousa Santos	Dam Vo Thanh, Nuria Castell, Massimo Cassiani	Evaluation of EPISODE-3D with observations in an urban street canyon in Oslo, Norway
T5	H20-086 Olivier Oldrini	Sylvie Perdriel, Patrick Armand, Cristophe Duchenne	Exploration of very large calculations at street level combining complex 3D results and immersive first person views
T5	H20-158 Marko Kaasik		Impact of COVID-19 lockdown to air quality in two largest cities in Estonia
T4	H20-061 Andrea Bisignano	Andrea Zonato, Dino Zardi, Lorenzo Giovannini	On the sensitivity of Lagrangian Dispersion models to NWP models in an idealized daily-periodic valley-wind system
T4	H20-112 Denise Hertwig	Hannah Gough, Sue Grimmond, Janet F. Barlow, Christoph W. Kent, William E. Lin, Alan G. Robins, Paul Hayden	Characteristics of tall-building wakes in central London: Comparison between wind tunnel and ADMS-Build
T7	H20-077 Giulia Malvestiti	E. Angelino, A. Marongiu, M. Moretti, E. Peroni	Estimating ammonia emission flow by the implementation of reverse modelling
T7	H20-089 Kyriaki-Maria Fameli	Vasiliki D. Assimakopoulos, Elissavet Galanaki, Theodore M. Giannaros,	Quantification of the sources that lead to pollution episodes at a Southeast Mediterranean Urban Area

And the PLENARY POSTER CHAT-TIME on

MONDAY 14/6 @ 17:20-18:00

TUESDAY 15/6 @ 12:40-13:00 & 14:00-14:20

WEDNESDAY 16/6 @ 17:40-18:00

THURSDAY 17/6 @ 12:20-13:00

..... AND DURING ALL BREAKS AND LUNCH TIMES!