

Curriculum Vitae
Jorge PEY BETRAN
(Date of completion January 2015)

Personal information

Full name: PEY BETRAN, Jorge

Born: 24/10/1980, in Jaca (Huesca)-Spain

Spanish ID number: 18171243R

Current professional position: Ramon y Cajal researcher (from February 2015)

Dedication: Full

Institution: IGME, Spanish Geological Survey

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Academic Formation

- Doctor in Environmental Sciences by the Polytechnic University of Catalonia. January 2008. Excellent *Cum Laude* (Caracterización físico-química de los aerosoles atmosféricos en el Mediterráneo occidental)
- Degree in Geological Sciences by the University of Zaragoza. June 2003

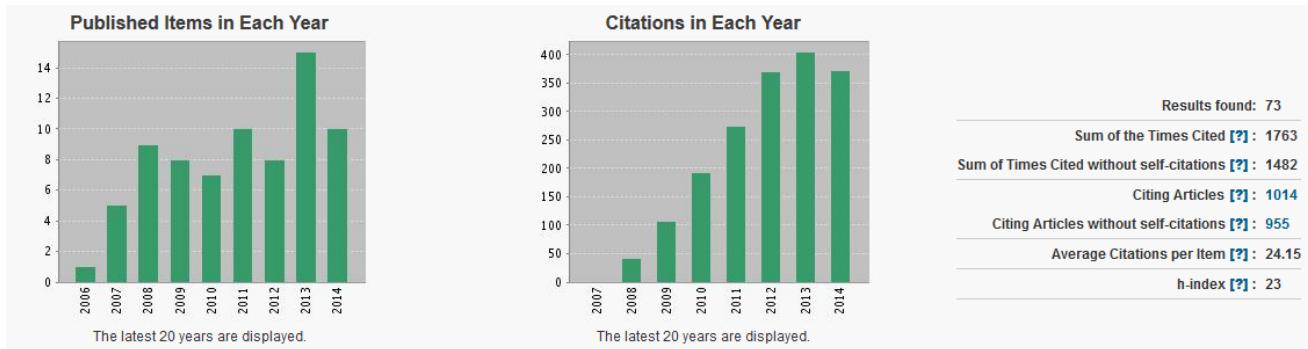
Scientific trajectory

- 2003-2008 Predoctoral researcher. I3P research grant from CSIC. Instituto “Jaume Almera”. Barcelona (Spain)
- 2008-2011 Postdoctoral researcher GRACCIE Consolider project. Instituto de Diagnóstico Ambiental y Estudios del Agua. Barcelona (Spain)
- 2012 Postdoctoral researcher MED-PARTICLES LIFE+ project. Public Health Service, Rome (Italy)
- 2013 Postdoctoral researcher SAM ANR (French Research Agency) project. Aix-Marseille University, Marseille (France)
- 2014 Postdoctoral researcher SAF-MED ANR (French Research Agency) project. Aix-Marseille University, Marseille (France)
- 2015- Ramon y Cajal researcher at IGME. Zaragoza (Spain)

Main research topics

- Atmospheric pollution and air quality
- Environmental geochemistry
- African dust
- Physical and chemical characterization of aerosols
- Climate change, climatology and meteorology
- Atmospheric pollution and human health
- Environmental policy

Some scientific indicators (September 2014)



PROFESSIONAL EXPERIENCE: PARTICIPATION IN RESEARCH PROJECTS

Pre-doctoral grant associated to the following research project:

Project title: Niveles y composición de PM10 y PM2.5 y contaminación atmosférica por material particulado y metales en España.

Financial institution: MINISTERIO DE MEDIO AMBIENTE.

Participant institutions: Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC, INM, CIEMAT, ICIID.

Duration: 2003-2006

Responsible researcher: Xavier Querol Carceller.

Tasks developed during the project: sampling, analysis, interpretation of data and publishing articles concerning one of the cities (Palma de Mallorca) involved in the project

Participation in national research projects

Project title: Discriminación del origen de los aerosoles atmosféricos a escala urbana y regional - DOASUR

Financial institution: MEC , CGL2007-62505/CLI

Participant institutions: Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC

Duration: 2007-2010

Responsible researcher: Xavier Querol

Tasks developed during the project: technical support in urban and regional background sites, interpretation of data and publishing articles.

Project title: Estudio del material particulado atmosférico en la ciudad de Mexico. Participacion en la campaña internacional MCMA 2006

Financial institution: Accion complementaria (modalidad h) MEC , CGL2005-23745-E/ CLI

Participant institutions: Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC, CENICA-INE México,- MIT USA

Duration: 31/01/2006-31/12/2006

Responsible researcher: Xavier Querol

Tasks developed during the project: Preparation and performance of the sampling campaign in Mexico in spring 2006. Chemical analysis, data interpretation and publishing articles.

Project title: Realización de trabajos relacionados con el estudio y evaluación de la contaminación atmosférica por material particulado y metales en España

Financial institution: MINISTERIO DE MEDIO AMBIENTE - UCAM 2006020031 / Encomienda de Gestión

Participant institutions: Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC, INM

Duration: 2006- 2010

Responsible researcher: Xavier Querol

Tasks developed during the project: Interpretation of pollution data and elaboration of reports (preliminar report and after-study report) from one of the cities (Ponferrada) involved in the project.

Project title: Determinación de aerosoles por medidas obtenidas en columna (lidar y extincion) y superficie -2, (DAMOCLES-2)

Financial institution: MEC , CGL2005-03428-C04-03/ CLI

Participant institutions: Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC

Duration: 31/12/2005- 31/12/2008

Responsible researcher: sub-proyecto 3, Andrés Alastuey

Tasks developed during the project: Preparation and performance of a sampling campaign in "El Arenosillo" in summer 2006. Chemical analysis of samples, data interpretation and publishing articles.

Project title: Proyecto de investigación para el diagnóstico y vigilancia del impacto por vía atmosférica de un complejo refinerio en Extremadura.

Financial institution: Convenio Universidad de Extermadura – CEAM

Participant institutions: CEAM, Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC, UHU, UE

Duration: December 2005-December 2006

Responsible researcher: Enrique Mantilla (CEAM)

Tasks developed during the project: Collaboration in meteorological interpretations from the monitoring campaign.

Participation in book elaboration (**Hernández et al., 2007**).

Project title: Influencia de aportes externos, regionales y locales en los niveles y composición de aerosoles atmosféricos en estaciones de fondo y urbanas de España (INTER-REG)

Financial institution: MEC, CGL2004-05948-C07-02/CLI
Participant institutions: Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC
Duration: 2004-2007
Responsible researcher: sub-proyecto 3, Xavier Querol.
Tasks developed during the project: Sampling, data analysis and data interpretation from Barcelona and Montseny sites. Publishing articles.

Project title: Ampliación "Seguimiento de la calidad del aire en el Campo de Gibraltar".
Financial institution: Acción Especial de la Junta de Andalucía – CSIC
Participant institutions: Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC, UHU, CEAM
Duration: December 2004-December 2006
Responsible researcher: Andrés Alastuey
Tasks developed during the project: Participation in sampling campaigns in the Gibraltar Bay in summer 2005. Meteorological interpretations and publishing articles.

Project title: Caracterización integral de aerosoles troposféricos de fondo continental en el NE de Iberia (CARIATI).
Financial institution: MEC , CGL2008-06294/ CLI
Participant institutions: Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC
Duration: 2008- 2011
Responsible researcher: Andrés Alastuey
Tasks developed during the project: Setting-up of the Montsec continental background site. Periodic visits at Montsec since 2008 with the PhD student (Anna Ripoll). Supervision of data capture from automatic instruments. Supervision of off-line data (chemical analysis).

Project title: Campañas de medidas para la determinación de orígenes de aerosol atmosférico en ambiente urbano y rural de España (DAURE)
Financial institution: MICINN , CGL2007-30502-E/CLI
Participant institutions: Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC
Duration: 01/10/2008-30/09/2010
Responsible researcher: Xavier Querol
Tasks developed during the project: Setting-up of the Montseny regional background site and the Barcelona urban background site in their new installations before the international campaign. Active participation during the campaign (sampling, calibration of instruments, supporting people). Publications in journals.

Project title: Constitución de la Red Española de DMAs Ambientales (REDMAAS)
Financial institution: MICINN, CGL2009-07128-E/CLI
Participant institutions: CIEMAT, CIAI-AEMET-Universidad de Huelva, INTA, Universidad de A Coruña, Instituto de Diagnóstico Ambiental y Estudios del Agua (IDAEA – CSIC)
Duration: 01/01/2010- 31/12/2010
Responsible researcher: Francisco Javier Gómez Moreno (CIEMAT)
Tasks developed during the project: Attendance to the partners meeting held in Madrid. Development of protocols for harmonization of measurements. Participation in the intercomparison and calibration campaign intended at "El Arenosillo" in April 2010. Contribution to the European Aerosol Conference.

Project title: Red Española de DMAs Ambientales (REDMAAS) 2011
Financial institution: MICINN, CGL2010-11095-E
Participant institutions: CIEMAT, CIAI-AEMET-Universidad de Huelva, INTA, Universidad de A Coruña, Instituto de Diagnóstico Ambiental y Estudios del Agua (IDAEA – CSIC)
Duration: 01/01/2011- 31/12/2011
Responsible researcher: Francisco Javier Gómez Moreno (CIEMAT)

Tasks developed during the project: Attendance to the partners meeting held in A Coruña to discuss activities in the next campaign and future of the network. Participation in the intercomparison and calibration campaign intended at "El Arenosillo" in October 2011. Contribution to the European Aerosol Conference.

Project title: Red Española de DMA's Ambientales (REDMAAS) 2012

Financial institution: MICINN, CGL2011-15008-E

Participant institutions: CIEMAT, CIAI-AEMET-Universidad de Huelva, INTA, Universidad de A Coruña, Instituto de Diagnóstico Ambiental y Estudios del Agua (IDAE - CSIC)

Duration: 01/01/2012- 31/12/2012

Responsible researcher: Francisco Javier Gómez Moreno (CIEMAT)

Tasks developed during the project: Attendance to the partners meeting held in Barcelona. Preparation of the next campaigns starting in June 2012 and September 2012. Contribution to the European Aerosol Conference.

Project title: Participación española en ChArMEx (The Chemistry-Aerosol Mediterranean Experiment)

Financial institution: MICINN, CGL2009-08031-E/CLI

Participant institutions: UPC, CIEMAT, UGR, Instituto de Diagnóstico Ambiental y Estudios del Agua (IDAE - CSIC)

Duration: 01/01/2010-31/12/2011

Responsible researcher: Michaël Sickard (UPC)

Tasks developed during the project: Setting-up of the Can Llompart regional background site at Mallorca.

Development of an intensive sampling campaign in spring and summer 2011. Chemical analysis and data interpretation of long and intensive campaigns. Some contributions to ChArMEx workshops and conferences.

Project title: Participación española en ChArMEx (The Chemistry-Aerosol Mediterranean Experiment) – ChArMEx-SP2

Financial institution: MICINN, CGL2011-13580-E/CLI

Participant institutions: UPC, CIEMAT, UGR, Instituto de Diagnóstico Ambiental y Estudios del Agua (IDAE - CSIC)

Duration: 01/01/2012-30/06/2013

Responsible researcher: Michaël Sickard (UPC)

Tasks developed during the project: Continuation of long monitoring campaign. Preparation of an intensive sampling campaign starting in June 2012, simultaneous with EMEP, ACTRIS and ChArMEx campaigns. Supervision of tasks and activities of a PhD student (José Carlos Cerro), who started his research in spring 2012.

Project title: Utilización de biocarbón como matriz renovable para la elaboración de ecofertilizantes nitrogenados de liberación controlada

Financial institution: COMISION NACIONAL DE INVESTIGACION CIENTIFICA Y TECNOLOGICA, CONICYT/CSIC

Participant institutions: Instituto de Diagnóstico Ambiental y Estudios del Agua (IDAE - CSIC), Universidad de la Frontera (Chile)

Duration: 01/06/2010- 31/05/2012

Responsible researcher: Xavier Querol

Tasks developed during the project: Small collaboration with Chilean's group. Travel to Chile in November 2010 to give some talks on air pollution. Visit to the Air Quality network in Santiago de Chile. Meeting some researchers for future bi-lateral research.

Project title: Variabilidad temporal y espacial de Aerosoles en el Mediterráneo Occidental: combinación de instrumentación de última generación en caracterización de aerosoles a nivel de Superficie (VAMOS)

Financial institution: MICINN, CGL2010-19464-E/CLI

Participant institutions: Instituto de Diagnóstico Ambiental y Estudios del Agua (IDAE - CSIC)

Duration: 01/01/2011-31/12/2013

Responsible researcher: Xavier Querol

Tasks developed during the project: technical support in the long monitoring campaigns (Barcelona-Montseny-Montsec). Co-authorship of some articles related with data collection from these sites.

Project title: impacto de las emisiones de material particulado atmosférico en aire ambiente sobre la calidad del aire en escuelas infantiles: nuevos parámetros y relaciones indoor/outdoor (IMPACT)

Financial institution: MICINN, CGL2011-26574

Participant institutions: Instituto de Diagnóstico Ambiental y Estudios del Agua (IDAE - CSIC)

Duration: 01/01/2012-31/12/2013

Responsible researcher: Mar Viana

Tasks developed during the project: Small collaborations in sampling in different schools in Barcelona.

CONSOLIDER-INGENIO 2010 Project

Project title: Equipo de Investigación Multidisciplinar sobre Cambios Climáticos Graduales y Abruptos, y sus Efectos Medioambientales; Multidisciplinary Research Consortium on GRadual and Abrupt Climate Changes, and their Impacts on the Environment (GRACCIE).

Financial institution: Comision Interministerial de Ciencia y Tecnología / Consolider Ingenio, CSD2007-00067

Participant institutions: Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC, CEAM--CIEMAT-----

Duration: 2007-2012

Coordinador: Joan Grimalt

Responsible researcher ICTJA CSIC: Xavier Querol

Tasks developed during the project: I had a 3-year contract from this project. I have participated in a biomass burning experiment, from which we have prepared two papers (one is still under preparation) on released emissions and CO₂ balances. Most of my papers are acknowledged and were possible because of the financial support from this project. African dust related papers were crucial within this project.

Projects of the Spanish Ministry of Environment

Project title: Interpretación de series temporales de niveles de partículas en las estaciones de la red EMEP-CAMP-VAG de España y para la ejecución de analítica química en muestras de aerosoles de la estación VAG de Izaña

Financial institution: MINISTERIO DE MEDIO AMBIENTE –INSTITUTO NACIONAL DE METEOROLOGIA (INM) - Encomienda de Gestión

Participant institutions: Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC -INM

Duration: 2007-2010

Responsible researcher: Xavier Querol (CSIC)

Tasks developed during the project: Interpretation of EMEP data series from Spain (gaseous pollutants, particulate matter and meteorology). Coordination of the report on EMEP stations suitability and data interpretation.

Coordination of reports on natural PM in Spain. Development of a European methodology to quantify African dust contributions to PM levels, published previously as a research paper.

Project title: CALIOPE: sistema de calidad del aire operativo para España

Financial institution: MINISTERIO DE MEDIO AMBIENTE

Participant institutions: Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC, BSC-UPC

Duration: 2006- 2007

Responsible researcher: JM. Baldasano

Tasks developed during the project: Data supply from my PhD to validate simulations.

Project title: CALIOPE: sistema de calidad del aire operativo para España (Ref. 157/PC08/3-12.0.)

Financial institution: MINISTERIO DE MEDIO AMBIENTE –

Participant institutions: BSC-UPC, Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC, CIEMAT.

Duration: 2008- 2010

Responsible researcher: J.M. Baldasano

Tasks developed during the project: Data supply from my PhD to validate simulations. Collaboration with my colleague Fulvio Amato in sampling campaigns for road dust characterization. These new emission sources were used for improving CALIOPE simulations on air quality. Publishing papers.

Project title: Evaluación integral del impacto de las emisiones de partículas de los automóviles en la calidad del aire urbano (Ref. B026/2007/3-10.1)

Financial institution: MINISTERIO DE MEDIO AMBIENTE

Participant institutions: Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC, UHU, AEMET

Duration: 2007- 2008

Responsible researcher: M. Viana Rodríguez

Tasks developed during the project: Technical support in Barcelona for collecting data. Co-authorship of related papers.

Project title: Sistema de Evaluación de Riesgos por Contaminación Atmosférica (SERCA)

Financial institution: Ministerio de Medio Ambiente

Participant institutions: UPM, Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC, ISCIII.

Duration: 2008- 2011

Responsible researcher: Teresa Moreno.

Tasks developed during the project: Participation in the sampling campaign in Madrid to characterize urban road dust and its impact on PM levels. Co-authorship of related papers.

Project title: Realización de trabajos relacionados con el estudio y evaluación de la contaminación atmosférica por material particulado y metales en España.

Financial institution: MINISTERIO DE MEDIO AMBIENTE, Y MEDIO RURAL Y MARINO - UCA2009020083/ REF 2010-0689. Encomienda de Gestión

Participant institutions: Instituto de Diagnóstico Ambiental y Estudios del Agua (IDAE – CSIC)

Duration: 2010-2013

Responsible researcher: Xavier Querol

Tasks developed during the project: Technical support for the project. Coordination of reports on natural PM in Spain.

European projects

Project title: Herramienta Automática de Diagnóstico Ambiental (HADA) LIFE02/ENV/E/000274.

Financial institution: UE: LIFE Programme

Participant institutions: Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC; Puertos del Estado-CIEMAT

Duration: 2002- 2005

Responsible researcher: ICTJA: Xavier Querol

Tasks developed during the project: Participation in sampling campaigns in Tarragona harbour to characterize emissions from harbour operations.

Project title: Contaminación atmosférica del Pirineo. (Pyrenees Air Pollution)

Financial institution: Comunidad de Trabajo de los Pirineos. Proyecto de Cooperación Interregional Departament d' Universitats Recerca i Societat de la informacion de la Generalitat de Catalunya.

Proyecto CSIC-ICTJA: Caracterización química y origen de la materia particulada atmosférica en distintas Comunidades del Pirineo: Cataluña

Participant institutions: Instituto de Ciencias de la Tierra "Jaume Almera"-CSIC, CNRS SET, UPV, UNIZAR, LACABIE UMR CNRS, LABORATOIRE D'Aérologie UMR UPS/CNRS,

Duration: 2004- 2005

Responsible researcher (Cataluña): A. Alastuey (CSIC)

Tasks developed during the project: Initial setting up of the Montsec monitoring site, sampling at this site and some data treatments. There are not yet specific related papers from this project although Noemí Pérez PhD thesis is in part based on these measurements.

Project title: European Super-sites for Atmospheric Aerosol Research, (EUSAAR) RII3-CT-2006-026140

Thematic area: Scientific Infrastructures I3, – VI Framework Programme

Participant institutions: 21 European Institutions

Duration: 2006-2010

Coordinator: Andrea Flossman (CNRS)

Tasks developed during the project: Participation in intercomparison and calibration workshops (most of them in Leipzig) within this network. Within this network IDEA-CSIC got an SMPS system for Montseny.

Project title: Climate Change and Impact Research: the Mediterranean Environment (CIRCE)

Thematic area: VI Framework Programme SUSTDEV-2005-3.I.3.1

Participant institutions: 65 European Institutions

Duration: 2007-2011

Coordinator: Dr. Antonio Navarra, Istituto Nazionale di Geofisica e Vulcanología, INGV

Responsible researcher-CSIC: X. Querol (CSIC)

Tasks developed during the project: African dust related activities: characterization, episodes detection and quantification, and writing papers.

Project title: Integrated Assessment of Health Risks from Environmental Stressors in Europe (INTARESE)

Financial institution: European Union (Sixth Framework Programme for Research and Technological Development, FP6).

Participant institutions: 33 (<http://www.imperial-consultants.co.uk/intarese.org/overview.htm#objectives>)

Duration: 2005-2010

Responsible researcher: Teresa Moreno (CSIC)

Tasks developed during the project: Technical support in collecting data in Spanish urban areas (Barcelona, Girona, Valencia). Co-authorship of various articles on exposure assessment.

Project title: Common Mediterranean strategy and local practical Actions for the mitigation of Port, Industries and Cities Emissions (APICE, 2G-MED09-26)

Thematic area: MED (FEDER, CE)

Participant institutions: 11 European Institutions

Duration: 2010- 2012

Coordinator: Salvatore Patti, Regional Agency for Environmental Protection of VENETO Region, ARPA-VENETO

Responsible researcher-CSIC: J. Pey

Tasks developed during the project: Attendance to scientific meetings, development of long and intensive monitoring campaigns in the Barcelona harbour, performance of these campaigns, chemical analysis, management issues concerning the project, meetings with stakeholders, co-author of a research paper on SO₂ trends across Mediterranean ports and another paper on shipping emissions over Barcelona.

Project title: Size and composition of particulate matter in the Mediterranean countries: geographical variability and short-term effects on health (MED-PARTICLES), Grant Agreement LIFE10 ENV / IT/327

Thematic area: LIFE

Participant institutions: 6 European Institutions, 2 associated beneficiaries

Duration of the project: 2011- 2013

Coordinator: Francesco Forastiere, Department of Epidemiology, Lazio Region

Tasks developed during the project: Development of data collection protocol for Saharan dust in the MED-PARTICLES cities; technical evaluation of data collected; modelling estimates of the fraction of PM attributable to the daily component Saharan Africa; meteorological study for different Mediterranean cities in order to classify air masses origins during a number of years; participation in redaction of technical reports and presentation of results concerning the abovementioned activities. Elaboration of a scientific paper on African dust over the Mediterranean basin.

French research projects

Project title: SAM (Source of marine Aerosol particles in the Mediterranean atmosphere)

Financial institution: Agence Nationale de la Recherche

Participant institutions: IRCELyon, Lyon; LaMP, Clermont Ferrand; LCE-IRA, Marseilles, MIO, Marseilles

Duration: 2011-2014

Responsible researcher: Barbara D'Anna, IRCELyon

Tasks developed during the project: Participation in laboratory and field campaigns, and data analysis from HR-ToF-AMS and PTR-ToF-MS instruments. Elaboration of scientific communications (conference communications and one article on marine VOC emissions under preparation).

Project title: SAF-MED (Secondary Aerosol Formation in the MEDiterranean)

Financial institution: Agence Nationale de la Recherche

Participant institutions: CEREA, Paris-Palaiseau; LaMP, Clermont Ferrand; LCE-IRA, Marseilles, LISA

Duration: 2012-2015

Responsible researcher: K. Sartelet, CEREA, Paris-Palaiseau

Tasks developed during the project: Installation of field observatory in Mallorca. Management of the field campaign in Mallorca and participation in the Corsica one. Data analysis of online and offline instruments, including HR-ToF-AMS and PTR-ToF-MS measurements. Elaboration of scientific communications (conference communications and an article already finished).

PUBLICATIONS

79 publications (76 already published, 3 in progress) in SCI journals. Coauthor in 10 books and chapters in books on atmospheric pollution.

Publications in SCI journals

- 1) Amato F., Pandolfi M., Escrig A., Querol X., Alastuey A., **Pey J.**, Pérez N., Hopke P., 2009. Quantifying road dust resuspension in urban environment by Multilinear Engine: a comparison with PMF2. *Atmospheric Environment*, 43, 2770-2780.
- 2) Amato F., Viana M., Richard A., Furger M., Prévôt A.S.H., Nava S., Lucarelli F., Bukowiecki N., Alastuey A., Reche C., Moreno T., Pandolfi M., **Pey J.**, Querol X., 2011. Size and time-resolved roadside enrichment of atmospheric particulate pollutants. *Atmospheric Chemistry and Physics*, 6, 2917-2931.
- 3) Amato F., Pandolfi M., Moreno T., Furger M., **Pey J.**, Alastuey A., Bukowiecki N., Prevot A.S.H., Baltensperger U., Querol X., 2011. Sources and variability of inhalable road dust particles in three European cities. *Atmospheric Environment*, 45, 6777-6787.
- 4) Cerro J.C., Cerdà V., **Pey J.**, 2015. Trends of air pollution in the Western Mediterranean Basin from a 13-year database: a research considering regional, suburban and urban environments in Mallorca (Balearic Islands). *Atmospheric Environment* 103, 138-146.
- 5) Cusack M., Alastuey A., Pérez N., **Pey J.**, Querol X., 2012. Trends of particulate matter (PM2.5) and chemical composition at a regional background site in the Western Mediterranean over the last nine years (2002–2010). *Atmospheric Chemistry and Physics*, 12, 8341-8357.
- 6) Cusack M., Pérez N., **Pey J.**, Wiedensohler A., Alastuey A., Querol X., 2013. Variability of submicrometer particle number size distributions in the western Mediterranean regional background. *Tellus B*, 65, 19243, <http://dx.doi.org/10.3402/tellusb.v65i0.19243>.
- 7) Cusack M., Pérez N., **Pey J.**, Alastuey A., Querol X. 2013. Source apportionment of fine PM and sub-micron particle number concentrations at a regional background site in the western Mediterranean: a 2.5 year study. *Atmospheric Chemistry and Physics* 13, 5173-5187.
- 8) Dall'osto M., Beddows D.C.S., **Pey J.**, Rodriguez S., Alastuey A., Harrison R., Querol X., 2012. Urban aerosol size distributions over the Mediterranean city of Barcelona, NE Spain. *Atmospheric Chemistry and Physics* 12, 10693-10707.
- 9) Dall'Osto M., Querol X., Alastuey A., Minguillon M.C., Alier M., Amato F., Brines M., Cusack M., Grimalt J.O., Karanasiou A., Moreno T., Pandolfi M., **Pey J.**, Reche C., Ripoll A., Tauler R., Van Drooge B.L., Viana M., Harrison R.M., Gietl J., Beddows D., Bloss W., O'Dowd C., Ceburnis D., Martucci G., Ng N.L., Worsnop D., Wenger J., Mc Gillicuddy E., Sodeau J., Healy R., Lucarelli F., Nava S., Jimenez J.L., Gomez Moreno F., Artinano B., Prévôt A.S.H., Pfaffenberger L., Frey S., Wilsenack F., Casabona D., Jiménez-Guerrero P., Gross D., Cots N. 2013. Presenting SAPUSS: Solving Aerosol Problem by Using Synergistic Strategies in Barcelona, Spain. *Atmospheric Chemistry and Physics* 13, 8991-9019.
- 10) De Gennaro G., Trizio L., Di Gilio A., **Pey J.**, Pérez N., Cusack M., Alastuey A., Querol X. 2013. Neural Network model for the prediction of PM10 daily concentrations in two sites in the Western Mediterranean. *Science of the Total Environment*, 463-464, 875-883.
- 11) Escudero M., Querol X., **Pey J.**, Alastuey A., Pérez N., Ferreira F., Alonso S., Rodríguez S., Cuevas E., 2007. A methodology for the quantification of the net African dust load in air quality monitoring networks. *Atmospheric Environment*, 41, 5516-5524.

- 12) Estellés V., Martínez-Lozano J.A., **Pey J.**, Querol X., Esteve A.R., Utrillas M.P., Sorribas M., Gangoiti G., Sicard M., Alastuey A., Rocadenbosch F., 2012. On the relationship between ground particulate matter and columnar aerosol optical depth during DAMOCLES 2006 (El Arenosillo, Huelva, Spain). *Journal of Geophysical Research*, 117, D04201.
- 13) Faustini A., Alessandrini E.R., **Pey J.**, Perez N., Samoli E., Querol X., Cadum E., Perrino C., Ostro B., Ranzi A., Sunyer J., Stafoggia M., Forastiere F., the MED-PARTICLES study group, 2015. Short-term effects of particulate matter on mortality during forest fires in Southern Europe. Results of the MED-PARTICLES Project. *Occupational and Environmental Medicine*, **in press**.
- 14) Garcia-Hurtado E., **Pey J.**, Borrás E., Sánchez P., Vera T., Carratalá A., Alastuey A., Querol X., Vallejo V.R. 2014. Atmospheric PM and volatile organic compounds released from Mediterranean shrubland wildfires. *Atmospheric Environment* 89, 85-92.
- 15) Garcia-Hurtado E., **Pey J.**, Baeza M.J., Carrara A., Llovet A., Querol X., Alastuey A., Vallejo V.R. 2013. Carbon emissions in Mediterranean shrubland wildfires: An experimental approach. *Atmospheric Environment*, 69, 86-93.
- 16) Gkikas A., Hatzianastassiou N., Mihalopoulos N., Katsoulis V., Kazadzis S., **Pey J.**, Querol X., Torres O. 2013. The regime of desert dust episodes in the Mediterranean based on contemporary satellite observations and ground measurements. *Atmospheric Chemistry and Physics* 13, 12135–12154.
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QUEROL X., VIANA M.M., MORENO T., ALASTUEY A., PEY J., AMATO F., PANDOLFI M., MINGUILLÓN M.C., RECCHI C., PÉREZ N., GONZÁLEZ A., PALLARÉS M., MORAL A., MONFORT E., ESCRIG A., CRISTÓBAL A., HERNÁNDEZ I., MIRÓ J.V., JIMÉNEZ S., REINA F., JABATO R., BALLESTER F., BOLDO E., BELLIDO J. **Bases científico-técnicas para un Plan Nacional de Mejora de la Calidad del Aire.** Edita Consejo Superior de Investigaciones Científicas, colección Informes CSIC, 2012. ISBN: 978-84-00-09475-1; Depósito legal: M-21.760-2012.

RAMOS J.L., ALASTUEY A., QUEROL X., PEY J., VIANA M., CASTILLO S., DE LA ROSA J., GONZÁLEZ-CASTANEDO Y., SÁNCHEZ DE LA CAMPA A.M., FERNÁNDEZ R., MANTILLA E. *Diagnóstico de la Calidad Ambiental del Campo de Gibraltar*. Volumen I: Análisis de contaminantes en Aire en el Campo de Gibraltar. Material particulado atmosférico. Consejería de Medio Ambiente de la Junta de Andalucía y CSIC, 2007.

VIANA M., PEY J., DE LEEUW F., QUEROL X., ALASTUEY A., DALL'OSTO M., MORENO T. (2012). *Reporting on natural events in the EU Member States under Directive 2008/50/EC: years 2008-2009*. ETC/ACM Technical Paper 2011/17(http://acm.eionet.europa.eu/reports/docs/ETCACM_TP_2011_17_natural_events2008-2009.pdf), accesed online on 12th July 2012.

Conferences: **125** contributions in National and International conferences/symposiums.

PARTICIPATION-1

AUTHORS: S. Rodríguez, R. Van Dingenen, **J. Pey**, X. Querol, J.P. Putaud, A. Alastuey.
TITLE: Relación entre PM_{2.5} y concentración en número y distribución de tamaño de partículas en Barcelona.
TYPE OF PARTICIPATION: Talk (J. Pey)
CONFERENCE: **IX Congreso de Ingeniería Ambiental / Feria Internacional de Medio Ambiente PROMA'04.**
PUBLICATION: In conference book
CONFERENCE VENUE: Bilbao, Spain.
DATE: 9-11 November 2004

PARTICIPATION-2

AUTHORS: S. Alonso, **J. Pey**, E. Cuevas, X. Querol, A. Alastuey, P.M. Romero, A. Cristóbal.
TITLE: Sistema de información sobre intrusiones de masas de aire africano en España.
TYPE OF PARTICIPATION: Talk (S. Alonso)
CONFERENCE: **IX Congreso de Ingeniería Ambiental / Feria Internacional de Medio Ambiente PROMA'04.**
PUBLICATION: In conference book
CONFERENCE VENUE: Bilbao, Spain.
DATE: 9-11 November 2004

PARTICIPATION-3

AUTHORS: X. Querol, A. Alastuey, M.M. Viana, S Rodríguez, S. Castillo, **J. Pey**, M. Escudero, B. Artíñano, P. Salvador, S. García Dos Santos, R. Fernández-Patier, C.J. Ruiz, J. de la Rosa, A. Sánchez de la Campa, M. Menéndez, J.I. Gil, E. Montfort.
TITLE: Niveles y composición de PM10 y PM2.5 en España.
TYPE OF PARTICIPATION: Talk (X. Querol).
CONFERENCE: **IX Congreso de Ingeniería Ambiental / Feria Internacional de Medio Ambiente PROMA'04.**
PUBLICATION: In conference book
CONFERENCE VENUE: Bilbao, Spain.
DATE: 9-11 November 2004

PARTICIPATION-4

AUTHORS: **J. Pey**, S. Rodríguez, X. Querol, A. Alastuey, R. Van Dingenen J.P. Putaud.
TITLE: PM mass and number concentrations in Barcelona.
TYPE OF PARTICIPATION: Poster.
CONFERENCE: **5th International Conference on Urban Air Quality.**
PUBLICATION: In conference book
CONFERENCE VENUE: Valencia, Spain.
DATE: 29-31 March2005

PARTICIPATION-5

AUTHORS: X. Querol, A. Alastuey, M.M. Viana, S.Castillo, **J. Pey**, T. Moreno, B. Artíñano, S. García Dos Santos, R. Fernández-Patier, M.J. Sanz, M.C. Minguillón, E. Montfort, R. Palomo y E.R. Pinilla.
TITLE: Time and Spatial Variations of Major Components of PM₁₀ and PM_{2.5} in Urban Sites of Spain
TYPE OF PARTICIPATION: Talk (X. Querol)
CONFERENCE: **5th International Conference on Urban Air Quality**
PUBLICATION: In conference book
CONFERENCE VENUE: Valencia, Spain.
DATE: 29-31 March 2005

PARTICIPATION-6

AUTHORS: X. Querol, R. Fernández-Patier, A. Alastuey, T. Moreno, M.M. Viana, S.Castillo, **J. Pey**, A. Cristóbal, S. Jiménez, M. Pallarés, B. Artíñano, P. Salvador, S. García Dos Santos, M.D. Herce, M.T. Bomboi, M.C. Minguillón, E. Montfort, M.J. Sanz, R. Palomo y E.R. Pinilla.

TITLE: Results PM₁₀, PM_{2.5}, Metals and PAH: Monitoring strategies and range of concentrations in Spain

TYPE OF PARTICIPATION: Workshop

CONFERENCE: **Towards for Europe: a Challenge**

PUBLICATION: No

CONFERENCE VENUE: Siracusa, Italy

DATE: 9-11 November 2005

PARTICIPATION-7

AUTHORS: X. Querol, R. Fernández-Patier, A. Alastuey, T. Moreno, M.M. Viana, S.Castillo, **J. Pey**, B. Artíñano, P. Salvador, S. García Dos Santos, M.D. Herce, M.T. Bomboi, M.C. Minguillón, E. Montfort, M.J. Sanz, R. Palomo y E.R. Pinilla.

TITLE: Contaminación atmosférica por material particulado en zonas urbanas de España

TYPE OF PARTICIPATION: Talk (X. Querol)

CONFERENCE: **Jornadas de Análisis Instrumental, Expoquímica, Feria de Barcelona**

PUBLICATION: No

CONFERENCE VENUE: Barcelona, Spain.

DATE: 16 November 2005

PARTICIPATION-8

AUTHORS: X. Querol, M.M. Viana, A. Alastuey, T. Moreno, S.Castillo, **J. Pey**, B. Artíñano, P. Salvador, R. Fernández-Patier, S. García Dos Santos, M.D. Herce, M.C. Minguillón, E. Montfort, R. Palomo y E.R. Pinilla.

TITLE: Results of source apportionment studies in Spain and comparison with other European regions

TYPE OF PARTICIPATION: Talk (X. Querol)

CONFERENCE: **COST 633. Similarities and differences in airborne particulate matter, exposure and health effects over Europe**

PUBLICATION: In abstracts volume.

CONFERENCE VENUE: Vienna, Austria.

DATE: April 2006

PARTICIPATION-9

AUTHORS: X. Querol, R. Fernández-Patier, A. Alastuey, T. Moreno, M.M. Viana, S.Castillo, **J. Pey**, A. Cristóbal, S. Jiménez, M. Pallarés, B. Artíñano, P. Salvador, S. García Dos Santos, M.D. Herce, M.T. Bomboi, M.C. Minguillón, E. Montfort, M.J. Sanz, R. Palomo y E.R. Pinilla.

TITLE: Spanish experience on PM source apportionment, including natural contributions. From toxic emissions to health effects.

TYPE OF PARTICIPATION: Talk (X. Querol)

CONFERENCE: **PM10, PM2.5. Workshop on the Outcome of the Krakow Integrated Project Particulate Matter**

PUBLICATION: In conference book

CONFERENCE VENUE: Krakow, Poland.

DATE: May 2006

PARTICIPATION-10

AUTHORS: **J. Pey**, A. Alastuey y X. Querol.

TITLE: CHEMICAL PROFILE OF THE ATMOSPHERIC PARTICULATE MATTER DURING DUST OUTBREAKS AND SUMMER REGIONAL RECIRCULATION EPISODES IN THE BALEARIC ISLANDS.

TYPE OF PARTICIPATION: Poster.

CONFERENCE: **IV CONGRESO IBEROAMERICANO DE FISICA Y QUIMICA AMBIENTAL**

PUBLICATION: In conference book

CONFERENCE VENUE: Cáceres, Spain.

DATE: 22-26 May 2006

PARTICIPATION-11

AUTHORS: X. Querol, A. Alastuey, T. Moreno, M.M. Viana, S.Castillo, **J. Pey**, B. Artíñano, S. García Dos Santos, R. Fernández, M.J. Sanz, M.C. Minguillón, E. Montfort, R. Palomo y E.R. Pinilla.

TITLE: SPATIAL AND TEMPORAL VARIATIONS IN AIRBORNE PARTICULATE MATTER (PM₁₀ AND PM_{2.5}) ACROSS SPAIN 1999-2005.

TYPE OF PARTICIPATION: Talk (T. Moreno)

CONFERENCE: **IV CONGRESO IBEROAMERICANO DE FISICA Y QUIMICA AMBIENTAL**

PUBLICATION: In conference book

CONFERENCE VENUE: Cáceres, Spain.

DATE: 22-26 May 2006

Award

"Mario Molina" award from the Iberoamerican Society of Environmental Chemistry and Physics to the researchers:

Querol X, Alastuey A., Moreno T., Viana M.M., Castillo S., Pey J., Rodríguez S., Artíñano B., , Garcia dos santos S., Fernandez-Patier R., Sanz M.J., Minguillón M.C., Monfort E., Palomo-Marín R., Pinilla-Gil E.

Because of the impact of their work entitled:

"Variaciones Químicas, Temporales y Espaciales del Material Particulado PM₁₀ y PM_{2.5} en Estaciones Urbanas en España" presented in the IV Congreso Iberoamericano de Química y Física Ambiental, in Cáceres (Spain) on 25th May 2006.

PARTICIPATION-12

AUTHORS: T. Moreno, X. Querol , A. Alastuey y **J. Pey**.

TITLE: Geographic and anthropogenic controls on highly variable urban air pollution across Spain

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **International Conference on Environmental Epidemiology & Exposure**

PUBLICATION: Published in "Epidemiology 17(6) Suppl:S157, November 2006"

CONFERENCE VENUE: París, France.

DATE: 2-6 September 2006

PARTICIPATION-13

AUTHORS: Rodríguez S., Putaud J.P., Dell'Acqua A., Van Dingenen R., **Pey J.**, Querol X., Alastuey A., Ho Kin Fa, Harrison R., Chenery S.

TITLE: Estudio comparativo de PM2.5, concentración en número y distribución de tamaño del aerosol atmosférico en Barcelona, Milán y Londres: Relación "masa - número" y aplicaciones para la monitorización de la calidad del aire

TYPE OF PARTICIPATION: Talk (S. Rodríguez)

CONFERENCE: **X Congreso de Ingeniería Ambiental, PROMA**

PUBLICATION: In conference book, 407-416.

CONFERENCE VENUE: Bilbao, Spain

DATE: 3-5 October 2006

PARTICIPATION-14

AUTHORS: Querol X., Alastuey A., Moreno T., Viana M.M., Castillo S., **Pey J.**, Rodríguez S., Cristóbal A., Jiménez S., Pallarés M., De La Rosa J., Artíñano B., Salvador P., Sánchez M., García Dos Santos S., Herce Garraleta M.D., Fernández-Patier R., Moreno-Grau S., Negral L., Minguillón M.C., Montfort E., Sanz M.J., Palomo-Marín R., Pinilla-Gil E., Cuevas E.

TITLE: Composición de material particulado y contribución de fuentes en España

TYPE OF PARTICIPATION: Ponencia oral a cargo de X. Querol y M.C. Minguillón

CONFERENCE: **X Congreso de Ingeniería Ambiental, PROMA**

PUBLICATION: In conference book, 689-698.

CONFERENCE VENUE: Bilbao, Spain

DATE: 3-5 October 2006

PARTICIPATION-15

AUTHORS: **J. Pey**, A. Alastuey, X. Querol, J.C. Cerro, P. Elías

TITLE: Contribución de fuentes en PM10 y PM2.5 en Palma de Mallorca, España

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **V Seminario de Calidad del Aire en España**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Santander, Spain

DATE: 16-18 October 2006

PARTICIPATION-16

AUTHORS: T. Moreno, X. Querol, A. Alastuey, M.C. Minguillón, **J. Pey**, S. Rodríguez, J.V. Miró, C. Felis & W. Gibbons

TITLE: Episodios de polución atmosférica de origen recreativo: partículas metalíferas inhalables provenientes de fuegos artificiales

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **V Seminario de Calidad del Aire en España**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Santander, Spain

DATE: 16-18 October 2006

PARTICIPATION-17

AUTHORS: X. Querol, M.C. Minguillón, **J. Pey**, N. Pérez, A. Alastuey, T. Moreno, R.M. Bernabé, S. Blanco, B. Cárdenas

TITLE: Speciation of particulate matter in the Mexico City Metropolitan Area during MILAGRO CAMPAIGN

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **1st MILAGRO Science Meeting**

PUBLICATION: No

CONFERENCE VENUE: Colorado, EEUU

DATE: 23-25 October 2006

PARTICIPATION-18

AUTHORS: E. Cuevas, S. Basart, J. Bustos, S. Alonso, S. Rodríguez, C. Marrero, M. Manso, M. Ángel Martínez, M. Velásquez, M. Palomares, J.M. Baldasano, C. Pérez, O. Jorba, P. Jiménez-Guerrero, X. Querol, **J. Pey**, L. Barrie and S. Nickovic

TITLE: The WMO Sand and Dust Storm Warning System (SDS-WS) for Europe, Africa and Middle East: a GEO-oriented System

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **International Conference on "Secure and Sustainable Living: Social and Economic Benefits of Weather, Climate and Water Services**

PUBLICATION:

CONFERENCE VENUE: Madrid, Spain

DATE: 19-22 March 2007

PARTICIPATION-19

AUTHORS: X. Querol, M.C. Minguillón, **J. Pey**, N. Pérez, A. Alastuey, T. Moreno, R.M. Bernabé, S. Blanco, B. Cárdenas

TITLE: Levels and composition of PM in the Mexico City metropolitan area: the MILAGRO campaign

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **EGU Joint Assembly, 2007**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Vienna, Austria

DATE: 16-18 April 2007

PARTICIPATION-20

AUTHORS: X. Querol, **J. Pey**, M.C. Minguillón, N. Pérez, A. Alastuey, T. Moreno, R.M. Bernabe, S. Blanco, B. Cárdenas

TITLE: Levels, composition and sources of PM in the Mexico City Metropolitan Area during the MILAGRO campaign

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **AGU Joint Assembly, 2007**

PUBLICATION: AGU, 88(23), Jt. Assem. Suppl., Abstract A43A-10

CONFERENCE VENUE: Acapulco, Mexico

DATE: 21-25 May 2007

PARTICIPATION-21

AUTHORS: **J. Pey**, S. Rodríguez, X. Querol, A. Alastuey

TITLE: Variability of particle number concentration and size distribution in Barcelona

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **AGU Joint Assembly, 2007**

PUBLICATION: AGU, 88(23), Jt. Assem. Suppl., Abstract A23A-12

CONFERENCE VENUE: Acapulco, Mexico

DATE: 21-25 May 2007

PARTICIPATION-22

AUTHORS: R. González, C. Márquez, R. Bernabé, A. P. Rutter, M.C. Minguillón, N. Pérez, **J. Pey**, L. Alverdin, E. Reyes, L. Miranda, J. Miranda, T. Moreno, S. Blanco, A. De la Rosa, G. Solórzano, A. Alastuey, J. Schauer, X. Querol, B. de Foy, L. T. Molina, B. Cárdenas

TITLE: Measurements of Total Gaseous and Particulate Mercury in Mexico City During the MCMA-2006/MILAGRO Campaign

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **AGU Joint Assembly, 2007**

PUBLICATION: AGU, 88(23), Jt. Assem. Suppl., A43A-20

CONFERENCE VENUE: Acapulco, Mexico

DATE: 21-25 May 2007

PARTICIPATION-23

AUTHORS: T. Moreno, X. Querol, A. Alastuey, M.C. Minguillón, J. Pey, S. Rodriguez, J.V. Miró and W. Gibbons

TITLE: Trace element content of airborne particulate matter released during firework displays.

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **Third International Symposium FESTEM "Recent Advances in Trace Element Research: From Experiments to Nutritional and Clinical Applications in Humans"**

PUBLICATION: Química Clínica 2007, 26 (S1), p. 45

CONFERENCE VENUE: Santiago de Compostela, Spain

DATE: 16-19 May 2007

PARTICIPATION-24

AUTHORS: F. Amato, T. Moreno, X. Querol, A. Alastuey, N. Pérez, **J. Pey**

TITLE: Contribution of local soil dust to the ambient concentrations of trace elements in PM₁₀

Type of participation: Poster with discussion

CONFERENCE: **RECTA, 2007**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Madrid, Spain

DATE: 5-6 July 2007

PARTICIPATION-25

AUTHORS: **J. Pey**, S. Rodríguez, X. Querol, A. Alastuey, R. Van Dingenen, J.P. Putaud

TITLE: PM number and mass concentrations in Barcelona (Spain): variability, sources and processes.

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **RECTA, 2007**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Madrid, Spain

DATE: 5-6 July 2007

PARTICIPATION-26

AUTHORS: X. Querol, **J. Pey**, M.C. Minguillón, N. Pérez, A. Alastuey, T. Moreno, R.M. Bernabé, S. Blanco, B. Cárdenas

TITLE: PM levels, composition and sources in the Mexico City Metropolitan Area during the MILAGRO 2006 Campaign

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **RECTA, 2007**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Madrid, Spain

DATE: 5-6 July 2007

PARTICIPATION-27

AUTHORS: **J. Pey**, X. Querol, J. de la Rosa, Y. González, A. Alastuey, R. Palomo, A. Sánchez de la Campa, L. Alados, E. Pinilla, M. Sorribas

TITLE: Chemical Characterization of PM₁₀, PM_{2.5} and PM₁ in Southern Iberia during a Mediterranean Out-flow: The Arenosillo 2006 Campaign

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **RECTA, 2007**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Madrid, Spain

DATE: 5-6 July 2007

PARTICIPATION-28

AUTHORS: N. Pérez, **J. Pey**, A. Alastuey, X. Querol, M. Escudero, S. Castillo

TITLE: Origin of mineral dust in PM levels at an urban and a regional site in North-Eastern Spain. African dust outbreak impact

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **RECTA, 2007**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Madrid, Spain

DATE: 5-6 July 2007

PARTICIPATION-29

AUTHORS: Moreno T., Querol X., Alastuey A., Viana M., Minguillon M.C., **Pey J.**, Font O., Salvador P., Sánchez De La Campa A., Artiñano B., de la Rosa J., Rodríguez S., Miro J.V., Ballester F., Gibbons W.

TITLE: Inhalable Metalliferous Trace Elements in Atmospheric Particulate Matter

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **RECTA, 2007**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Madrid, Spain

DATE: 5-6 July 2007

PARTICIPATION-30

AUTHORS: Querol X., Alastuey A., Moreno T., Viana M.M., Castillo S., **Pey J.**, Pérez N., Rodríguez S., Artíñano B., Salvador P., Sánchez M., García Dos Santos S., Herce Garraleta M.D., Fernández Patier R., Moreno S., Negral L., Minguillón M.C., Monfort E., Sanz M.J., Palomo-Marín R., Pinilla-Gil E.R., Cuevas E., de la Rosa J., Sánchez de la Campa A.

TITLE: Atmospheric Particulate Matter (PM10 and PM2.5) in Spain (1999-2005): Levels, Composition and Source Origin
TYPE OF PARTICIPATION: Ponencia

CONFERENCE: **RECTA, 2007**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Madrid, Spain

DATE: 5-6 July 2007

PARTICIPATION-31

AUTHORS: N. Pérez, **J. Pey**, A. Alastuey, X. Querol, M. Escudero, S. Castillo

TITLE: Influence of African dust outbreaks on levels and composition of particulate matter in an urban background in Barcelona, Spain

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **IAMAS Mineral Dust Aerosol Symposium. IUGG XXIV General Assembly "Earth: our changing planet" 2007**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Perugia, Italy

DATE: 2-13 July 2007

PARTICIPATION-32

AUTHORS: J.A. Martínez-Lozano, L. Alados-Arboledas, B. de la Morena, V. Estellés, F.J. Exposito, **J. Pey**, M. Sicard and M. Sorribas

TITLE: Intercomparison of instrumentation for atmospheric aerosol measurements. DAMOCLES campaign

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **EAC, 2007**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Salzburg, Austria

DATE: 9-14 September 2007

PARTICIPATION-33

AUTHORS: J.M. Baldasano, E. Cuevas, C. Pérez, O. Jorba, P. Jiménez-Guerrero, S. Basart, S. Alonso-Pérez, M.A. Martínez, X. Querol, **J. Pey**, L. Barrie & S. Nickovic

TITLE: WMO Sand and Dust Storm Warning System (SDS-WS) for Europe, Africa and Middle East: a GEO-oriented System

TYPE OF PARTICIPATION: Ponencia

CONFERENCE: **7th EMS Annual Meeting / 8th ECAM**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Madrid, Spain

DATE: 1-5 October 2007

PARTICIPATION-34

AUTHORS: **J. Pey**, X. Querol, J. de la Rosa, Y. González-Castanedo, A. Alastuey, G. Gangoiti, A. Sánchez de la Campa , L. Alados-Arboledas, M. Sorribas, C. Pio, V. Cachorro

TITLE: Niveles y caracterización química de los aerosoles atmosféricos en el Suroeste de la Península Ibérica durante la campaña Arenosillo 2006.

TYPE OF PARTICIPATION: Talk (J. Pey)

CONFERENCE: **I CONGRESO RED DAMÓCLES**

PUBLICATION: No

CONFERENCE VENUE: Morella (Castellón), Spain

AÑO: 5 October 2007

PARTICIPATION-35

AUTHORS: Querol X., Alastuey A., Moreno T., Viana M.M., Castillo S., **Pey J.**, Rodríguez S., Cristóbal A., Jiménez S., Pallarés M., De La Rosa J., Artíñano B., Salvador P., Sánchez M., García Dos Santos S., Herce Garraleta M.D., Fernández-Patier R., Moreno-Grau S., Negral L., Minguillón M.C., Montfort E., Sanz M.J., Palomo-Marín R., Pinilla-Gil E., Cuevas E.

TITLE: Medida e interpretación de la variabilidad de niveles, composición y fuentes de aerosoles en superficie

TYPE OF PARTICIPATION: Talk (X. Querol)

CONFERENCE: **I CONGRESO RED DAMÓCLES**

PUBLICATION: No

CONFERENCE VENUE: Morella (Castellón), Spain

DATE: 5 October 2007

PARTICIPATION-36

AUTHORS: S. Rodríguez, J. Pey, N. Pérez, X. Querol, A. Alastuey, R. Van Dingenen, J.P. Putaud

TITLE: Origin and features of ultrafine particles in Barcelona

TYPE OF PARTICIPATION: Talk (S. Rodríguez)

CONFERENCE: **Ultrafine Particles in Urban Air (UFIPOLNET)**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Dresden, Germany

DATE: 23-24 October 2007

PARTICIPATION-37

AUTHORS: X. Querol, A. Alastuey, **J. Pey**, N. Pérez, M. Escudero, S. Castillo, A. Cristóbal, M. Pallarés, A. González, S. Jiménez, N. Alonso, S. Alonso, E. Cuevas, J. de la Rosa

TITLE: African Dust Influence on Ambient PM Levels in Europe (Spain and Portugal), a Quantitative Approach to Support Implementation of Air Quality Directives

TYPE OF PARTICIPATION: Talk (X. Querol)

CONFERENCE: **WMO/GEO Expert Meeting on an International Sand and Dust Storm Warning System**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Barcelona, Spain

DATE: 7-9 November 2007

PARTICIPATION-38

AUTHORS: X. Querol, **J. Pey**, M.C. Minguillón, N. Pérez, A. Alastuey, M. Viana, T. Moreno, R.M. Bernabé, S. Blanco, B. Cárdenas, E. Vega, G. Sosa, S. Escalona, H. Ruiz, B. Artíñano

TITLE: PM levels and composition in Mexico City Metropolitan Area during the MILAGRO-2006 Campaign

TYPE OF PARTICIPATION: Poster

CONFERENCE: **EGU 2008**

PUBLICATION: In abstracts volume, Vol. 10, EGU2008-A-10126, 2008

CONFERENCE VENUE: Vienna, Austria

DATE: 13-18 April 2008

PARTICIPATION-39

AUTHORS: T. Moreno, X. Querol, **J. Pey**, M.C. Minguillón, N. Pérez, A. Alastuey, R.M. Bernabé, S. Blanco, B. Cárdenas, W. Gibbons

TITLE: Inhomogeneous distribution of metalliferous aerosols in the Mexico City atmospheric pollution plume

TYPE OF PARTICIPATION: Poster

CONFERENCE: **EGU 2008**

PUBLICATION: In abstracts volume, Vol. 10, EGU2008-A-08322, 2008

CONFERENCE VENUE: Vienna, Austria

DATE: 13-18 April 2008

PARTICIPATION-40

AUTHORS: **J. Pey**, S. Rodriguez, A. Alastuey, X. Querol, N. Perez, R. Van Dingenen and J.P. Putaud

TITLE: Source apportionment of particle number at an urban site in the Western Mediterranean

TYPE OF PARTICIPATION: Poster

CONFERENCE: **EGU 2008**

PUBLICATION: In abstracts volume, Vol. 10, EGU2008-A-10350, 2008

CONFERENCE VENUE: Vienna, Austria

DATE: 13-18 April 2008

PARTICIPATION-41

AUTHORS: X. Querol, A. Alastuey, T. Moreno, M. Viana, **J. Pey**, N. Perez, F. Amato, M.C. Minguillón, J. de la Rosa, B. Artiñano, P. Salvador, S. Garcia Dos Santos, M.D. Herce, R. Fernandez-Patier

TITLE: Levels and composition of PM in Spain (1999-2007)

TYPE OF PARTICIPATION: Poster

CONFERENCE: **EGU 2008**

PUBLICATION: In abstracts volume, Vol. 10, EGU2008-A-10051, 2008

CONFERENCE VENUE: Vienna, Austria

DATE: 13-18 April 2008

PARTICIPATION-42

AUTHORS: **J. Pey**, N. Perez, A. Alastuey, X. Querol, JM. López, M. Viana

TITLE: Partitioning of PM10-PM2.5-PM1 at an urban site in the western Mediterranean: trends in PM levels and composition

TYPE OF PARTICIPATION: Poster

CONFERENCE: **EGU 2008**

PUBLICATION: In abstracts volume, Vol. 10, EGU2008-A-10288, 2008

CONFERENCE VENUE: Vienna, Austria

DATE: 13-18 April 2008

PARTICIPATION-43

AUTHORS: N. Pérez, **J. Pey**, S. Castillo, A. Alastuey, X. Querol, M. Viana and T. Moreno

TITLE: Variability of atmospheric aerosol levels and composition at a regional background site in NE Iberian Peninsula

TYPE OF PARTICIPATION: Poster

CONFERENCE: **EGU 2008**

PUBLICATION: In abstracts volume, Vol. 10, EGU2008-A-10255, 2008

CONFERENCE VENUE: Vienna, Austria

DATE: 13-18 April 2008

PARTICIPATION-44

AUTHORS: M. Pandolfi, **J. Pey**, X. Querol, A. Alastuey, F. Amato, M. Viana

TITLE: Pollutant source contribution estimates to PM10 and PM2.5 measurements in Barcelona (Catalonia, NE Spain) by Positive Matrix Factorization (PMF)

TYPE OF PARTICIPATION: Poster

CONFERENCE: **EGU 2008**

PUBLICATION: In abstracts volume, Vol. 10, EGU2008-A-08097, 2008

CONFERENCE VENUE: Vienna, Austria

DATE: 13-18 April 2008

PARTICIPATION-45

AUTHORS: X. Querol, A. Alastuey, J. Pey, N. Pérez, M. Escudero, T. Moreno, S. Alonso, E. Cuevas, J. de la Rosa
TITLE: African dust influence on ambient PM levels in Iberia: A quantitative approach to support implementation of Air Quality Directives
TYPE OF PARTICIPATION: Poster
CONFERENCE: **3rd International Workshop on Mineral Dust**
PUBLICATION: In abstracts volume
CONFERENCE VENUE: Leipzig, Germany
DATE: 15-17 September 2008

PARTICIPATION-46

AUTHORS: **J. Pey**, S. Rodriguez, A. Alastuey, X. Querol, N. Pérez, R. Van Dingenen, J.P. Putaud
TITLE: Contribución de fuentes al número de partículas sub-micrométricas en Barcelona
TYPE OF PARTICIPATION: Talk (J. Pey)
CONFERENCE: **XI Congreso de Ingeniería Ambiental GEO2**
PUBLICATION: In abstracts volume, 365-374
CONFERENCE VENUE: Bilbao, Spain
DATE: 4-6 November 2008

PARTICIPATION-47

AUTHORS: T. Moreno, X. Querol, A. Alastuey, **J. Pey**, M.C. Minguillón, N. Pérez, R.M. Bernabé, S. Blanco, B. Cárdenas, W. Gibbons
TITLE: Geoquímica de Lantanoides en el material particulado atmosférico urbano
TYPE OF PARTICIPATION: Talk (T. Moreno)
CONFERENCE: **XI Congreso de Ingeniería Ambiental GEO2**
PUBLICATION: In abstracts volume, 308-314
CONFERENCE VENUE: Bilbao, Spain
DATE: 4-6 November 2008

PARTICIPATION-48

AUTHORS: J. A. Martínez-Lozano, V. Estellés, A. Esteve, **J. Pey**, M.P. Utrillas, X. Querol, J. de la Rosa, Y. González-Castanedo, A. Alastuey, G. Gangoiti, A. Sánchez de la Campa, L. Alados-Arboledas, F.J. Olmo, H. Lyamani, M. Sorribas, C. Pio, V. Cachorro, M. Piñeiro, P. López-Mahía, D. García-Gacio, J.P. Díaz, F.J. Expósito
TITLE: Propiedades de la columna de aerosoles en relación a las medidas de PM en superficie durante la campaña DAMOCLES 2006 (El Arenosillo, Huelva, España)
TYPE OF PARTICIPATION: Talk (V. Estellés)
CONFERENCE: **XI Congreso de Ingeniería Ambiental GEO2**
PUBLICATION: In abstracts volume, 354-364
CONFERENCE VENUE: Bilbao, Spain
DATE: 4-6 November 2008

PARTICIPATION-49

AUTHORS: X. Querol, A. Alastuey, N. Pérez, **J. Pey**, M. Escudero, S. Castillo, Á. Cristóbal, M. Pallarés, A. González, S. Jiménez, N. Alonso, S. Alonso, E. Cuevas, J. de la Rosa
TITLE: Influencia de las intrusiones de masas de aire del Norte de África en los niveles de PM de la Península Ibérica: Un método cuantitativo para la implementación de las Directivas de calidad del aire
TYPE OF PARTICIPATION: Poster
CONFERENCE: **XI Congreso de Ingeniería Ambiental GEO2**
PUBLICATION: In abstracts volume, 434-443
CONFERENCE VENUE: Bilbao, Spain
DATE: 4-6 November 2008

PARTICIPATION-50

AUTHORS: N. Pérez, **J. Pey**, S. Castillo, M. Cusack, X. Querol, A. Alastuey, M. Viana, J. M. López, T. Moreno, M. Pandolfi, F. Amato

TITLE: Variabilidad de niveles y composición de aerosoles atmosféricos en el fondo regional del NE de la Península Ibérica

TYPE OF PARTICIPATION: Talk (N. Pérez)

CONFERENCE: **XI Congreso de Ingeniería Ambiental GEO2**

PUBLICATION: In abstracts volume, 444-454

CONFERENCE VENUE: Bilbao, Spain

DATE: 4-6 November 2008

PARTICIPATION-51

AUTHORS: M. Pandolfi, Y. González-Castanedo, A. Alastuey, **J. Pey**, X. Querol, and J.D. de la Rosa

TITLE: Source apportionment to PM₁₀ and PM_{2.5} at multiple sites in the Bay of Gibraltar (S Spain) by PMF: estimate of shipping emission

TYPE OF PARTICIPATION: Poster

CONFERENCE: **EGU 2009**

PUBLICATION: In abstracts volume, Vol. 11, EGU2009-7662, 2009

CONFERENCE VENUE: Vienna, Austria

DATE: 19-24 April 2009

PARTICIPATION-52

AUTHORS: X. Querol, M. Pandolfi, **J. Pey**, A. Alastuey, M. Cusack, N. Pérez, F. Amato, T. Moreno, M. Viana and N. Mihalopoulos

TITLE: African dust contribution to mean ambient PM₁₀ across the Mediterranean Basin: A quantitative approach to investigate spatial and seasonal patterns

TYPE OF PARTICIPATION: Poster

CONFERENCE: **EGU 2009**

PUBLICATION: In abstracts volume, Vol. 11, EGU2009-8724-1, 2009

CONFERENCE VENUE: Vienna, Austria

DATE: 19-24 April 2009

PARTICIPATION-53

AUTHORS: V. Estelles, A. Esteve, **J. Pey**, J.A. Martínez-Lozano, M.P. Utrillas, X. Querol, J. de la Rosa, Y. González-Castanedo, A. Alastuey, G. Gangoiti and the Team

TITLE: Preliminary analysis of columnar aerosol properties in relation to surface PM measurements in the DAMOCLES 2006 field campaign (Spain)

TYPE OF PARTICIPATION: Póster

CONFERENCE: **EGU 2009**

PUBLICATION: In abstracts volume, Vol. 11, EGU2009-10988-1, 2009

CONFERENCE VENUE: Vienna, Austria

DATE: 19-24 April 2009

PARTICIPATION-54

AUTHORS: N. Pérez, **J. Pey**, M. Cusack, X. Querol, A. Alastuey, M. Viana
TITLE: Variability of particle number, black carbon and PM10, PM2.5 and PM1 levels and speciation: Influence of road traffic emissions on urban air quality
TYPE OF PARTICIPATION: Talk (N. Pérez)
CONFERENCE: **17th Transport and Air Pollution Symposium - 3rd Environment and Transport Symposium (ETTAP09)**
PUBLICATION: In abstracts volume, Actes INRETS n°122, 35, 1-8.
CONFERENCE VENUE: Toulouse, France
DATE: 2-4 June 2009

PARTICIPATION-55

AUTHORS: F. Amato, M. Pandolfi, A. Escrig, X. Querol, A. Alastuey, **J. Pey**, N. Pérez, P.K. Hopke
TITLE: Advanced receptor modelling for the apportionment of road dust resuspension to atmospheric PM
TYPE OF PARTICIPATION: Talk (F. Amato)
CONFERENCE: **17th Transport and Air Pollution Symposium - 3rd Environment and Transport Symposium (ETTAP09)**
PUBLICATION: In abstracts volume, Actes INRETS n°122, 36, 1-9.
CONFERENCE VENUE: Toulouse, France
DATE: 2-4 June 2009

PARTICIPATION-56

AUTHORS: Revuelta A., McIntosh G., **Pey J.** and Osete M.L.
TITLE: MINERAL MAGNETISM AS A PROXY IN THE FIELD OF ATMOSPHERIC AEROSOL
TYPE OF PARTICIPATION: Poster
CONFERENCE: **RECTA 2009**
PUBLICATION: In abstracts volume
CONFERENCE VENUE: Bilbao, Spain
DATE: 24-26 June 2009

PARTICIPATION-57

AUTHORS: **J. Pey**, N. Pérez, A. Alastuey, X. Querol, M. Pandolfi, M. Cusack, C. Reche, J.M. López, S. Castillo, M. Viana and T. Moreno
TITLE: LEVELS, COMPOSITION AND SOURCES AT A REGIONAL BACKGROUND SITE IN NE IBERIAN PENINSULA
TYPE OF PARTICIPATION: Poster
CONFERENCE: **First International ChArMEx Workshop**
PUBLICATION: No
CONFERENCE VENUE: Toulouse, France
DATE: 29 June-1 July 2009

PARTICIPATION-58

AUTHORS: A. Karanasiou, T. Moreno, F. Amato, J. Lumbreras, R. Borge, G.A. Narros, C. Reche, **J. Pey**, A. Alastuey, X. Querol
TITLE: Road Dust Resuspension and Toxic Components
TYPE OF PARTICIPATION: Póster
CONFERENCE: **Air Pollution and Health: Bridging the Gap from Sources to Health Outcomes AAAR 2010**
PUBLICATION: In abstracts volume, 3SQ8.T1.66
CONFERENCE VENUE: San Diego (California), EEUU
DATE: 22-26 March 2010

PARTICIPATION-59

AUTHORS: M. Pandolfi, Y. González-Castanedo, A. Alastuey, J.D. de la Rosa, E. Mantilla, X. Querol, **J. Pey**
TITLE: Estimation of shipping emission contribution at Algeciras Bay (S. Spain) by means of PMF receptor model, chemical speciated PM data and wind data
TYPE OF PARTICIPATION: Talk (M. Pandolfi)
CONFERENCE: **Air Pollution and Health: Bridging the Gap from Sources to Health Outcomes AAAR 2010**
PUBLICATION: In abstracts volume, 9A.4
CONFERENCE VENUE: San Diego (California), EEUU
DATE: 22-26 March 2010

PARTICIPATION-60

AUTHORS: F. Amato, M. Pandolfi, **J. Pey**, M. Furger, X. Querol, A. Alastuey, N. Bukowiecki, R. Gehrig, A. Richard, A.S.H. Prevot, U. Baltensperger
TITLE: A European Assessment of Inhalable Non-exhaust Particles: Loads and Chemical Properties
TYPE OF PARTICIPATION: Poster
CONFERENCE: **Air Pollution and Health: Bridging the Gap from Sources to Health Outcomes AAAR 2010**
PUBLICATION: In abstracts volume, 11SQ3.T1.191
CONFERENCE VENUE: San Diego (California), EEUU
DATE: 22-26 March 2010

PARTICIPATION-61

AUTHORS: M.A. Revuelta, F. J. Gómez-Moreno, J. Plaza, E. Coz, **J. Pey**, M. Cusack, M. Pandolfi, J. J. Rodríguez-Maroto and M. Pujadas
TITLE: Particle size distribution and inorganic aerosol characterization during DAURE 2009 winter field campaign at Montseny site
TYPE OF PARTICIPATION: Poster
CONFERENCE: **EGU General Assembly 2010**
PUBLICATION: In abstracts volume, 12, EGU2010-11674, 2010
CONFERENCE VENUE: Vienna, Austria
DATE: 02-07 May 2010

PARTICIPATION-62

AUTHORS: F. Amato, M. Pandolfi, X. Querol, A. Alastuey, **J. Pey**, J.L. Jimenez and the DAURE CSIC Team
TITLE: Application of receptor modeling techniques (PMF2, ME-2) to rural and urban PM measurements performed during DAURE Campaign: Comparison with multiyear time series
TYPE OF PARTICIPATION: Talk (F. Amato)
CONFERENCE: **EGU General Assembly 2010**
PUBLICATION: In abstracts volume, 12, EGU2010-11587, 2010
CONFERENCE VENUE: Vienna, Austria
DATE: 02-07 May 2010

PARTICIPATION-63

AUTHORS: M.Pandolfi, X. Querol, A. Alastuey, J.L. Jimenez and the DAURE Team
TITLE: An Overview of the DAURE Campaign: Aerosols Emissions and Evolution in the Western Mediterranean Basin
TYPE OF PARTICIPATION: Poster
CONFERENCE: **EGU General Assembly 2010**
PUBLICATION: In abstracts volume, 12, EGU2010-12025, 2010
CONFERENCE VENUE: Vienna, Austria
DATE: 02-07 May 2010

PARTICIPATION-64

AUTHORS: **J. Pey**, X. Querol, A. Alastuey, J.C. Cerro, B. Artíñano, C. Bujosa, S. Caballero, J. Crespo, P. M^a Elías, V. Cerdà

TITLE: MONITORING OF REGIONAL BACKGROUND ATMOSPHERIC POLLUTANTS IN MAJORCA (SPAIN): SURFACE MEASUREMENTS

TYPE OF PARTICIPATION: Poster

CONFERENCE: **Second International ChArMEx Workshop**

PUBLICATION: No

CONFERENCE VENUE: Barcelona, Spain

DATE: 26-28 May 2010

PARTICIPATION-65

AUTHORS: Gómez-Moreno F.J., Artíñano B., Piñeiro Iglesias M., López Mahía P., **Pey J.**, Alastuey A., Sorribas M., De la Morena B.A. and Rodríguez S.

TITLE: The Spanish Network on Environmental DMAs: Introduction and main activities

TYPE OF PARTICIPATION: Poster

CONFERENCE: **RECTA 2010**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Granada, Spain

DATE: 28-30 June 2010

PARTICIPATION-66

AUTHORS: M. Cusack, **J. Pey**, A. Alastuey, M. Pandolfi, X. Querol, A. Nowak, A. Wiedensohler

TITLE: Importance of photochemical nucleation in the Western Mediterranean Basin: a regional background site case study

TYPE OF PARTICIPATION: Poster

CONFERENCE: **RECTA 2010**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Granada, Spain

DATE: 28-30 June 2010

PARTICIPATION-67

AUTHORS: A. Ripoll, **J. Pey**, A. Alastuey, M. Pandolfi, N. Pérez, M. Cusack, X. Querol

TITLE: Atmospheric PM episodes affecting a continental background site in the Western Mediterranean Basin

TYPE OF PARTICIPATION: Poster

CONFERENCE: **RECTA 2010**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Granada, Spain

DATE: 28-30 June 2010

PARTICIPATION-68

AUTHORS: M. Pandolfi, M. Cusack, **J. Pey**, A. Alastuey, X. Querol, C. Reche, T. Moreno, M. Viana, M.J. Cubison, A. Ortega, E. Nemitz, C. di Marco, B. Artíñano, F. J. Gómez Moreno, M.A. Revuelta, J. Peñuelas, R. Seco and J.L. Jimenez

TITLE: Intensive Aerosol Measurements during the DAURE Campaign at an EUSAAR Rural Site in the NW Mediterranean

TYPE OF PARTICIPATION: Poster

CONFERENCE: **International Aerosol Conference 2010**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Helsinki, Finland

DATE: 29 August-03 September 2010

PARTICIPATION-69

AUTHORS: M. Cusack, **J. Pey**, A. Alastuey, M. Pandolfi, X. Querol, A. Nowak, A. Wiedensohler
TITLE: Photochemical nucleation episodes at a regional background site in the Western Mediterranean
TYPE OF PARTICIPATION: Poster
CONFERENCE: **International Aerosol Conference 2010**
PUBLICATION: In abstracts volume
CONFERENCE VENUE: Helsinki, Finland
DATE: 29 August-03 September 2010

PARTICIPATION-70

AUTHORS: Karanasiou A., Moreno T., Amato F., Lumbreiras J., Borge R., Narros G.A., Reche C., **Pey J.**, Tobias A., Alastuey, A., Querol X.
TITLE: Estimation of the road dust contribution in the urban aerosol
TYPE OF PARTICIPATION: Poster
CONFERENCE: **International Aerosol Conference 2010**
PUBLICATION: In abstracts volume
CONFERENCE VENUE: Helsinki, Finland
DATE: 29 August-03 September 2010

PARTICIPATION-71

AUTHORS: X. Querol, M. Dall'Osto, and the SAPUSS Team
TITLE: SAPUSS! Solving Aerosol Problems by Using Synergistic Strategies
TYPE OF PARTICIPATION: Talk (X. Querol)
CONFERENCE: **EGU General Assembly 2011**
PUBLICATION: In abstracts volume, Vol. 13, EGU2011-12239, 2011
CONFERENCE VENUE: Vienna, Austria
DATE: 03-08 April 2011

PARTICIPATION-72

AUTHORS: F. Amato, M. Pandolfi, M. Furger, X. Querol, A. Alastuey, A.S.H. Prévôt, **J. Pey**, A. Richard, N. Bukowiecki, U. Baltensperger
TITLE: Sources of inhalable road dust particles in different European cities
TYPE OF PARTICIPATION: Talk (F. Amato)
CONFERENCE: **EGU General Assembly 2011**
PUBLICATION: In abstracts volume, Vol. 13, EGU2011-11344, 2011
CONFERENCE VENUE: Vienna, Austria
DATE: 03-08 April 2011

PARTICIPATION-73

AUTHORS: E. Garcia-Hurtado, **J. Pey**, E. Borras, A. Alastuey, X. Querol, V.R. Vallejo
TITLE: Determination of particle tracers released in forest fire events in the Mediterranean basin. Ayoraburning experiment
TYPE OF PARTICIPATION: Poster
CONFERENCE: **EGU General Assembly 2011**
PUBLICATION: In abstracts volume, Vol. 13, EGU2011-7184, 2011
CONFERENCE VENUE: Vienna, Austria
DATE: 03-08 April 2011

PARTICIPATION-74

AUTHORS: M. Pandolfi, X. Querol, A. Alastuey, J.L. Jimenez, **J. Pey**, M. Cusack, C. Reche, C. Mohr, P. DeCarlo, A. Ortega, and the DAURE Team

TITLE: Impact of the Emissions from the Barcelona Metropolitan Area on the Levels and Composition of Fine Aerosols at both Urban and Regional Scale in the Western Mediterranean Basin: Preliminary Results of the DAURE Campaign

TYPE OF PARTICIPATION: Talk (M. Pandolfi)

CONFERENCE: **EGU General Assembly 2011**

PUBLICATION: In abstracts volume, Vol. 13, EGU2011-12090, 2011

CONFERENCE VENUE: Vienna, Austria

DATE: 03-08 April 2011

PARTICIPATION-75

AUTHORS: C. Reche, X. Querol, and the 6CTYs Team

TITLE: Variability of levels of PM, black carbon and particle number concentration in selected European cities

TYPE OF PARTICIPATION: Poster

CONFERENCE: **EGU General Assembly 2011**

PUBLICATION: In abstracts volume, Vol. 13, EGU2011-12304, 2011

CONFERENCE VENUE: Vienna, Austria

DATE: 03-08 April 2011

PARTICIPATION-76

AUTHORS: Querol X., Alastuey A., Dall'Osto M., **Pey. J.**, Reche C., Viana M., Pérez N., Moreno T., Tobías A., Cusack M., Minguillón M.C., Amato F., Pandolfi M., Ripoll A., Karanasiou A.

TITLE: Atmospheric measurements in the field of PM and UFP and urban air quality

TYPE OF PARTICIPATION: Talk (X. Querol)

CONFERENCE: **EFCA symposium**

PUBLICATION: En volumen de abstracts, Vol. 13, EGU2011-12304, 2011

CONFERENCE VENUE: Brussels, Belgium

DATE: 26-27 May 2011

PARTICIPATION-77

AUTHORS: A. Ripoll Roca, **J. Pey Betran**, A. Alastuey Urós, M. Pandolfi, N. Pérez Lozano, M. Cusack , X.Querol Carceller

TITLE: Atmospheric PM episodes affecting a remote site (Montsec) in the Western Mediterranean Basin

TYPE OF PARTICIPATION: Poster

CONFERENCE: **RECTA 2011**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Madrid, Spain

DATE: 27-29 June 2011

PARTICIPATION-78

AUTHORS: A. Karanasiou, T. Moreno, F. Amato, J. Llumbreras, A. Narros, R. Borge, A. Tobías, E. Boldo, C. Linares, **J. Pey**, C. Reche, A. Alastuey, X. Querol

TITLE: Road dust resuspension and chemical composition with regards to street washing activities

TYPE OF PARTICIPATION: Poster

CONFERENCE: **RECTA 2011**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Madrid, Spain

DATE: 27-29 June 2011

PARTICIPATION-79

AUTHORS: N. Pérez, **J. Pey**, A. Alastuey, X. Querol

TITLE: Variability of PM mass and chemical composition at a regional scale in the Western Mediterranean Basin: urban, regional and continental backgrounds

TYPE OF PARTICIPATION: Poster

CONFERENCE: **RECTA 2011**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Madrid, Spain

DATE: 27-29 June 2011

PARTICIPATION-80

AUTHORS: E. Garcia-Hurtado, **J. Pey**, E. Borrás, A. Alastuey, X. Querol, V.R. Vallejo

TITLE: Particle tracers released in Mediterranean shrubland fires.

TYPE OF PARTICIPATION: Poster

CONFERENCE: **RECTA 2011**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Madrid, Spain

DATE: 27-29 June 2011

PARTICIPATION-81

AUTHORS: F. Amato, M. Viana , A. Richard , M. Furger , A. Prevot , S. Nava , F. Lucarelli , X. Querol , A. Alastuey , C. Reche , T. Moreno , M. Pandolfi , **J. Pey**

TITLE: High resolution of street canyon increments for primary and secondary traffic-related PM pollutants

TYPE OF PARTICIPATION: Poster

CONFERENCE: **RECTA 2011**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Madrid, Spain

DATE: 27-29 June 2011

PARTICIPATION-82

AUTHORS: N. Pérez, **J. Pey**, A. Alastuey, X. Querol

TITLE: Evaluation of different atmospheric aerosol monitoring parameters at an urban background in the Western Mediterranean Basin (WMB)

TYPE OF PARTICIPATION: Poster

CONFERENCE: **RECTA 2011**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Madrid, Spain

DATE: 27-29 June 2011

PARTICIPATION-83

AUTHORS: Salvador P., Artíñano B., Molero F., Viana M.M., **Pey J.**, Alastuey A., Querol X.

TITLE: African dust contribution to ambient aerosol levels across central Spain: Characterization of long-range transport episodes of desert dust

TYPE OF PARTICIPATION: Talk (P. Salvador)

CONFERENCE: **Global Conference on Global Warming**

PUBLICATION: Proceedings of the Global Conference on Global Warming 2011, pp 791-800

CONFERENCE VENUE: Lisbon, Portugal

DATE: 11-14 July 2011

PARTICIPATION-84

AUTHORS: F.J. Gómez-Moreno, M. Sastre, B. Artíñano, V. Juncal Bello, M. Piñeiro Iglesias, P. López Mahía, **J. Pey**, A. Ripoll, A. Alastuey, M. Sorribas, M. Fernández, B. A. de la Morena, J. L. Trujillo de Cabo, S. Rodríguez

TITLE: Main activities of the Spanish network on environmental DMAs

TYPE OF PARTICIPATION: Poster

CONFERENCE: **EAC 2011**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Manchester, UK

DATE: 04-09 September 2011

PARTICIPATION-85

AUTHORS: M. Rivera, X. Basagaña, D. Agis, I. Aguilera, L. Bouso, M. Foraster, M. Medina, **J. Pey**, N. Kuenzli, G. Hoek

TITLE: Spatial distribution of ultrafine particles in Girona, Spain: A land use regression model

TYPE OF PARTICIPATION: Talk (M. Rivera)

CONFERENCE: **ISEE 2011**

PUBLICATION:

CONFERENCE VENUE: Barcelona, Spain

DATE: 13-16 September 2011

PARTICIPATION-86

AUTHORS: A. Tobías, J. Belmonte, A. Valero, **J. Pey**, A. Alastuey, X. Querol

TITLE: Association between airborne pollen and asthma emergency room admissions during Saharan dust intrusions

TYPE OF PARTICIPATION: Talk (A. Tobías)

CONFERENCE: **ISEE 2011**

PUBLICATION:

CONFERENCE VENUE: Barcelona, Spain

DATE: 13-16 September 2011

PARTICIPATION-87

AUTHORS: McIntosh G., Revuelta M.A., **Pey J.**, Noriega Salmon R., Artinano Rodriguez de Torres B., Querol X., Alastuey A.

TITLE: Magnetic properties of atmospheric particles

TYPE OF PARTICIPATION: Talk by Gregg McIntosh

CONFERENCE: **EGU 2012**

PUBLICATION: In abstracts volume, EGU2012-13049

CONFERENCE VENUE: Vienna (Austria)

DATE: 22-27 April 2012

PARTICIPATION-88

AUTHORS: A. Detournay, D. Salameh, J.L. Jaffrezo, J. Cozic, **J.Pey**, N. Perez, X. Querol, P. Prati, M.C. Bove, E. Cuccia, D. Massabo, J. Bartzis , D. Saraga, E. Tolis, K. Filiou, A. Latella, F. Liguori, S. Patti, A. Armengaud, D. Piga, N. Marchand

TITLE: Intercomparison of source apportionment approaches within the EU-MED APICE project.

TYPE OF PARTICIPATION: Talk by A. Detournay

CONFERENCE: **EAC 2012**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Granada (Spain)

DATE: 02-07 September 2012

PARTICIPATION-89

AUTHORS: N. Pérez, **J. Pey**, C. Reche, X. Querol, A. Alastuey, J. Cortés
TITLE: Impact of port activities on urban air quality at a Mediterranean coastal city
TYPE OF PARTICIPATION: Poster with discussion
CONFERENCE: **EAC 2012**
PUBLICATION: In abstracts volume
CONFERENCE VENUE: Granada (Spain)
DATE: 02-07 September 2012

PARTICIPATION-90

AUTHORS: **J. Pey**, C. Bujosa, S. Caballero, X. Querol, A. Alastuey, M Sicard, B. Artíñano
TITLE: Two years of measurements at a regional background site in the Balearics: first results
TYPE OF PARTICIPATION: Poster with discussion
CONFERENCE: **EAC 2012**
PUBLICATION: In abstracts volume
CONFERENCE VENUE: Granada (Spain)
DATE: 02-07 September 2012

PARTICIPATION-91

AUTHORS: **J. Pey**, N. Pérez, A. Alastuey, X. Querol, J. Cortés
TITLE: Concentrations of PM_x, NO₂ and NH₃ in the metropolitan area of Barcelona: APICE long monitoring campaign
TYPE OF PARTICIPATION: Poster with discussion
CONFERENCE: **EAC 2012**
PUBLICATION: In abstracts volume
CONFERENCE VENUE: Granada (Spain)
DATE: 02-07 September 2012

PARTICIPATION-92

AUTHORS: Querol X., Alastuey A., Viana M., Moreno T., Reche C., Minguillón M.C., Ripoll A., Pandolfi M., Amato F., Pérez N., **Pey J.**, Cusack M., Vázquez R., de la Rosa J., Sánchez de la Campa A., Rodriguez S., Pío C., Alados-Arboledas L., Titos G., Atíñano B., Salvador P., García Dos Santos S., Fernández Patier R.
TITLE: Levels of carbonaceous aerosols in remote, rural, urban and industrial sites of Spain
TYPE OF PARTICIPATION: Talk by X. Querol
CONFERENCE: **EAC 2012**
PUBLICATION: In abstracts volume
CONFERENCE VENUE: Granada (Spain)
DATE: 02-07 September 2012

PARTICIPATION-93

AUTHORS: F. J. Gómez-Moreno, B. Artíñano, V. Juncal Bello, M. Piñeiro Iglesias, P. López Mahía, N. Pérez, **J. Pey**, A. Alastuey, B. A. de la Morena, M. I. García, S. Rodríguez, M. Sorribas, G. Titos, H. Lyamani, L. Alados-Arboledas
TITLE: Calibration and intercomparison results in the Spanish network on environmental DMAs
TYPE OF PARTICIPATION: Poster with discussion
CONFERENCE: **EAC 2012**
PUBLICATION: In abstracts volume
CONFERENCE VENUE: Granada (Spain)
DATE: 02-07 September 2012

PARTICIPATION-94

AUTHORS: **J. Pey**, N. Pérez, A. Alastuey, X. Querol, J. Cortés
TITLE: Fingerprint of shipping emissions on PM10 at Barcelona
TYPE OF PARTICIPATION: Poster with discussion
CONFERENCE: **EAC 2012**
PUBLICATION: In abstracts volume
CONFERENCE VENUE: Granada (Spain)
DATE: 02-07 September 2012

PARTICIPATION-95

AUTHORS: A. Ripoll, M.C. Minguillón, **J. Pey**, X. Querol, A. Alastuey
TITLE: Two years of measurements of atmospheric aerosols at a remote mountain site in NE Spain
TYPE OF PARTICIPATION: Poster with discussion
CONFERENCE: **EAC 2012**
PUBLICATION: In abstracts volume
CONFERENCE VENUE: Granada (Spain)
DATE: 02-07 September 2012

PARTICIPATION-96

AUTHORS: Manuel Dall'Osto, A. Alastuey, M. A. Pedemonte, B. L. van Drooge, M. Pandolfi, M. C. Minguillon, F. Amato, T. Moreno, **J. Pey**, C. Reche, M. Cusak, M. Viana, A. Roca, J. Gietl, D. Beddows, Roy M. Harrison, J. Wenger, E. Mc Gillcuddy, J. Sudou, R. Healy, D. Ceburnis, G. Martucci, C. O'Dowd, F. Lucarelli, S. Nava, J. L. Jimenez, F. Gomez Moreno, B. Artinano, A. S. H. Prevot, L. Pfaffenberger, S. Frey, F. Wilsenack, S. Ng, D. Worsnop, D. Casabona Fina, P. Jiménez Guerrero, X. Querol
TITLE: SAPUSS: Solving Aerosol Problems by using synergistic strategies in Barcelona, Spain
TYPE OF PARTICIPATION: Talk by M. Dall'Osto
CONFERENCE: **EAC 2012**
PUBLICATION: In abstracts volume
CONFERENCE VENUE: Granada (Spain)
DATE: 02-07 September 2012

PARTICIPATION-97

AUTHORS: J. Sciare, A. di Sarra, R. Ellul, E. Gerasopoulos, H.C. Hansson, S. Kleanthous, N. Mihalopoulos, **J. Pey**, A. Alastuey, N. Yassaa
TITLE: A Mediterranean Atmospheric Network for in-situ aerosol measurements: Motivation and Objectives
TYPE OF PARTICIPATION: Poster with discussion
CONFERENCE: **EAC 2012**
PUBLICATION: In abstracts volume
CONFERENCE VENUE: Granada (Spain)
DATE: 02-07 September 2012

PARTICIPATION-98

AUTHORS: **J. Pey**, X. Querol, A. Alastuey, F. Forastiere, M. Stafoggia
TITLE: African dust outbreaks over the Mediterranean Basin during 2001-2011: concentrations, phenomenology and trends
TYPE OF PARTICIPATION: Talk by J. Pey
CONFERENCE: **EGU 2013**
PUBLICATION: In abstracts volume, EGU2013-14206
CONFERENCE VENUE: Vienna (Austria)
DATE: 08-12 April 2013

PARTICIPATION-99

AUTHORS: A. Gkikas, N. Hatzianastassiou, N. Mihalopoulos, V. Katsoulis, S. Kazadzis, **J. Pey**, X. Querol, O. Torres
TITLE: A satellite based algorithm for identifying dust episodes: the regime of episodes in the Mediterranean basin and evaluation against surface measurements
TYPE OF PARTICIPATION: Talk by A. Gkikas
CONFERENCE: **EGU 2013**
PUBLICATION: In abstracts volume, EGU2013-14205
CONFERENCE VENUE: Viena (Austria)
DATE: 08-12 April 2013

PARTICIPATION-100

AUTHORS: J.C. Cerro, **J. Pey**, C. Bujosa, S. Caballero, A. Alastuey, M. Sicard, B. Artiñano, X. Querol
TITLE: Regional background aerosols over the Balearic Islands over the last 3 years: ground-based concentrations, atmospheric deposition and sources
TYPE OF PARTICIPATION: Poster with discussion
CONFERENCE: **EGU 2013**
PUBLICATION: In abstracts volume, EGU2013-14226
CONFERENCE VENUE: Viena (Austria)
DATE: 08-12 April 2013

PARTICIPATION-101

AUTHORS: F. Linguori, A. Latella, S. Pillon, E. Elvini, S. Patti, P. Prati, C. Bove, P. Brotto, F. Cassola, E. Cuccia, N. Marchand, A. Detournay, D. Salameh, A. Armengaud, D. Piga, **J. Pey**, N. Perez, X. Querol, A. Poupkou, D. Melas, G.J. Bartzis, D.E. Saraga, E.I. Tolis, K. Filiou, T. Quaglia, M.T. Zanetti, M. Parra, P. Fernández, E. Repa
TITLE: Intercomparison of source apportionment approaches within the APICE-MED project
TYPE OF PARTICIPATION: Oral presentation by F. Linguori
CONFERENCE: **International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes**
PUBLICATION: In abstracts volume
CONFERENCE VENUE: Madrid (Spain)
DATE: 6-9 May 2013

PARTICIPATION-102

AUTHORS: **Jorge Pey**, Noemi Perez, Xavier Querol, Andrés Alastuey, Francesco Forastiere, Massimo Stafiggia, and the Study group MED-PARTICLES
TITLE: Saharan dust and forest fires in Southern Europe in the period 2001-2011: estimation and geographical distribution
TYPE OF PARTICIPATION: Poster with discussion
CONFERENCE: **ISEE, ISES and ISIAQ 2013**
PUBLICATION: In abstracts volume
CONFERENCE VENUE: Basel (Switzerland)
DATE: 19-23 August 2013

PARTICIPATION-103

AUTHORS: Aurelio Tobias, Cristina Reche, Angeliki Karanasiou, Fulvio Amato, **Jorge Pey**, Patricia García de Olaya, Joan A. Cayla, Andrés Alastuey, Xavier Querol
TITLE: Health effects of black carbon in the city of Barcelona
TYPE OF PARTICIPATION: Poster with discussion
CONFERENCE: **ISEE, ISES and ISIAQ 2013**
PUBLICATION: In abstracts volume
CONFERENCE VENUE: Basel (Switzerland)

DATE: 19-23 August 2013

PARTICIPATION-104

AUTHORS: Massimo Stafoggia, Ester Rita Alessandrini, **Jorge Pey**, Annunziata Faustini, Stefano Zauli Sajani, Evangelia Samoli, Jordi Sunyer, Xavier Querol, Francesco Forastiere, Med- Particles Study Group

TITLE: Short-term effects of PM10 from Saharan dust on mortality in Southern Europe – Results of the MEDPARTICLES Project

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **ISEE, ISES and ISIAQ 2013**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Basel (Switzerland)

DATE: 19-23 August 2013

PARTICIPATION-105

AUTHORS: Annunziata Faustini, Massimo Stafoggia, **Jorge Pey**, Evangelia Samoli, Xavier Querol, Ennio Cadum, Cinzia Perrino, Andrea Ranzi, Jordi Sunyer, Francesco Forastiere, the MED-PARTICLES study group

TITLE: Short-term effects of PM10 of Forest Fire on mortality in Southern Europe – Results of the MED-PARTICLES Project

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **ISEE, ISES and ISIAQ 2013**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Basel (Switzerland)

DATE: 19-23 August 2013

PARTICIPATION-106

AUTHORS: **Jorge Pey**, Noemi Pérez, Xavier Querol, Andrés Alastuey, Francesco Forastiere, Massimo Stafoggia

TITLE: Saharan dust in southern Europe in the period 2001-2011: estimation and geographical distribution

TYPE OF PARTICIPATION: Oral (J. Pey)

CONFERENCE: **AAAR 32nd Annual Conference 2013**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Portland, Oregon (EEUU)

DATE: 30 September-4 October 2013

PARTICIPATION-107

AUTHORS: **Pey J.**, DeWitt H.L., Temime-Roussel B., Même A., Sarrasin E., Rose C., Freney E., Hérvo M., Charriere B., Sempere R., Sellegri K., D'Anna B., Marchand N.

TITLE: Gas and particle phase chemical composition of marine emissions from Mediterranean seawaters: primary aerosol particles and formation of secondary organic components

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **AAAR 32nd Annual Conference 2013**

PUBLICATION: In abstracts volume

CONFERENCE VENUE: Portland, Oregon (EEUU)

DATE: 30 September-4 October 2013

PARTICIPATION-108

AUTHORS: **Pey J.**, Cerro J.C., Hellebust S., DeWitt H.L., Temime-Roussel B., Elser M., Pérez N., Sylvestre A., Salameh D., Mocnik G., Prévôt A.S.H., Zhang Y.L., Szidat S., Marchand N.

TITLE: Ground-based monitoring in Corsica and Mallorca in summer 2013 in the context of ChArMEx: preliminary results on number and size distributions, on-line and off-line chemical analysis and variability of VOCs

TYPE OF PARTICIPATION: Oral (J. Pey)

CONFERENCE: **AMA-ChArMEx SOP1 meeting**

PUBLICATION: No
CONFERENCE VENUE: Toulouse, France
DATE: 21-24 January 2014

PARTICIPATION-109

AUTHORS: D'Anna B., Sellegrí K., Charrière B., Sempérè R., Mas S., Marchand N., George C., Même A., R'mili B., Delmont A., Schwier A., Rose C., **Pey J.**

TITLE: Marine aerosol in the Mediterranean atmosphere: physical and chemical properties from a mesocosm study

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **Ocean Sciences Meeting**

PUBLICATION: In abstracts volume, Abstract ID: 16952

CONFERENCE VENUE: Honolulu, Hawaii USA

DATE: 23-28 February 2014

PARTICIPATION-110

AUTHORS: D'Anna B., Sellegrí K., Charrière B., Sempérè R., Mas S., Marchand N., George C., Même A., R'mili B., Delmont A., Schwier A., Rose C., Colomb A., **Pey J.**, DeWitt H.L.

TITLE: Chemical properties and morphology of Marine Aerosol in the Mediterranean atmosphere: a mesocosm study

TYPE OF PARTICIPATION: Oral (B. D'Anna)

CONFERENCE: **European Geosciences Union General Assembly 2014**

PUBLICATION: In abstracts volume, Vol. 16, EGU2014-9323, 2014

CONFERENCE VENUE: Vienna, Austria

DATE: 27 April-02 May 2014

PARTICIPATION-111

AUTHORS: Sellegrí K., D'Anna B., Marchand N., Charrière B., Sempérè R., Mas S., Schwier A., Rose C., **Pey J.**, DeWitt H.L., Même A., R'mili B., George C., Delmont A.

TITLE: Marine Primary and Secondary Aerosol emissions related to seawater biogeochemistry

TYPE OF PARTICIPATION: Oral (K. Sellegrí)

CONFERENCE: **European Geosciences Union General Assembly 2014**

PUBLICATION: In abstracts volume, Vol. 16, EGU2014-14935, 2014

CONFERENCE VENUE: Vienna, Austria

DATE: 27 April-02 May 2014

PARTICIPATION-112

AUTHORS: Querol X., Alastuey A., Pandolfi M., **Pey J.**, Amato F., Perez N., Karanasiou A., Alonso-Pérez S., Salvador P.

TITLE: African dust outbreaks and air quality in southern Europe: Is it only dust that matters?

TYPE OF PARTICIPATION: Oral (X. Querol)

CONFERENCE: **DUST2014 - 1st International Conference on Atmospheric Dust**

PUBLICATION: In abstract book, 5

CONFERENCE VENUE: Castellaneta Marina, Italy

DATE: 1-6 June 2014

PARTICIPATION-113

AUTHORS: Alastuey A., Querol X., Aas W., Lucarelli F., and an international EMEP team: N Pérez, T Moreno, H Areskoug, V Balani, M Catrambone, D Ceburnis, S Conil, L Gevorgyan, K Gyula, J L Jafrezzo, C Hueglin, N Mihalopoulos, M Mitosinkova, **J Pey**, J P Putaud, V Rifault, K Sellegrí, G Spindler, M Twigg

TITLE: EMEP intensive measurements on mineral dust and trace metals in PM 10: summer 2012 and winter 2013

TYPE OF PARTICIPATION: Oral (A. Alastuey)

CONFERENCE: **DUST2014 - 1st International Conference on Atmospheric Dust**

PUBLICATION: In abstract book, 11
CONFERENCE VENUE: Castellaneta Marina, Italy
DATE: 1-6 June 2014

PARTICIPATION-114

AUTHORS: Pandolfi M., Tobias A., Alastuey A., Sunyer J., Schwartz J., Lorente J., **Pey J.**, Querol X.

TITLE: Mixing layer height oscillations, Saharan dust outbreaks and daily mortality

TYPE OF PARTICIPATION: Oral (M. Pandolfi)

CONFERENCE: **DUST2014 - 1st International Conference on Atmospheric Dust**

PUBLICATION: In abstract book, 316

CONFERENCE VENUE: Castellaneta Marina, Italy

DATE: 1-6 June 2014

PARTICIPATION-115

AUTHORS: A. Ripoll, **Pey J.**, M.C. Minguillon, Querol X., Alastuey A.

TITLE: Impact of African dust transport on the PM chemical composition in the continental and regional background of the western Mediterranean

TYPE OF PARTICIPATION: Poster with discussion

CONFERENCE: **DUST2014 - 1st International Conference on Atmospheric Dust**

PUBLICATION: In abstract book, 355

CONFERENCE VENUE: Castellaneta Marina, Italy

DATE: 1-6 June 2014

PARTICIPATION-116

AUTHORS: **Pey J.**, Cerro J.C., Hellebust S., DeWitt H.L., Temime-Roussel B., Elser M., Pérez N., Sylvestre A., Salameh D., Mocnik G., Prévôt A.S.H., Zhang Y.L., Szidat S., Marchand N.

TITLE: Ground-based atmospheric monitoring in Mallorca and Corsica in summer 2013 in the context of ChArMEx: results on number-size distributions, on-line and off-line aerosol chemistry, and volatile organic compounds

TYPE OF PARTICIPATION: Oral (J. Pey)

CONFERENCE: **2nd Iberian Meeting on Aerosol Science and Technology (RICTA-2014)**

PUBLICATION: In proceedings book

CONFERENCE VENUE: Tarragona, Spain

DATE: 7-9 July 2014

PARTICIPATION-117

AUTHORS: **Pey J.**, DeWitt H.L., Temime-Roussel B., Même A., Charrière B., Sempere R., Delmont A., Mas S., Parin D., Rose C., Schwier A., R'mili B., Sellegri K., D'Anna B., Marchand N.

TITLE: Gas and particle phase chemical composition of marine emissions from Mediterranean seawaters: results from a mesocosm study

TYPE OF PARTICIPATION: Oral (J. Pey)

CONFERENCE: **2nd Iberian Meeting on Aerosol Science and Technology (RICTA-2014)**

PUBLICATION: In proceedings book

CONFERENCE VENUE: Tarragona, Spain

DATE: 7-9 July 2014

PARTICIPATION-118

AUTHORS: Cerro J.C., Cerdà V., **Pey J.**

TITLE: Trends in air pollution between 2000 and 2012 in the Western Mediterranean: a zoom over regional, suburban and urban environments in Mallorca (Balearic Islands)

TYPE OF PARTICIPATION: Oral (J.C. Cerro)

CONFERENCE: **2nd Iberian Meeting on Aerosol Science and Technology (RICTA-2014)**

PUBLICATION: In proceedings book
CONFERENCE VENUE: Tarragona, Spain
DATE: 7-9 July 2014

PARTICIPATION-119

AUTHORS: Cerro J.C., Caballero S., Bujosa C., Alastuey A., Querol X., **Pey J.**
TITLE: Aerosol Deposition in Balearic Islands as Overview of the deposition in the Western Mediterranean
TYPE OF PARTICIPATION: Poster with discussion
CONFERENCE: **2nd Iberian Meeting on Aerosol Science and Technology (RICTA-2014)**
PUBLICATION: In proceedings book
CONFERENCE VENUE: Tarragona, Spain
DATE: 7-9 July 2014

PARTICIPATION-120

AUTHORS: Salvador P., Artiñano B., Gomez-Moreno J.F., Alonso S., **Pey J.**, Alastuey A., Querol X.
TITLE: Characterization of African dust source areas contributing to ambient aerosol levels across the western Mediterranean
TYPE OF PARTICIPATION: Oral (P. Salvador)
CONFERENCE: **2nd Iberian Meeting on Aerosol Science and Technology (RICTA-2014)**
PUBLICATION: In proceedings book
CONFERENCE VENUE: Tarragona, Spain
DATE: 7-9 July 2014

PARTICIPATION-121

AUTHORS: Sellegri K., Schwier A., **Pey J.**, Charriere B., Mas S., Même A., R'mili B., Rose C., DeWitt H.L., George C., Sempere R., Marchand N., D'Anna B., Gazeau F., Guieu C., Sallon A., Louis J.
TITLE: Marine Primary and Secondary Aerosol emissions related to seawater biogeochemistry from mesocosm studies
TYPE OF PARTICIPATION: Oral (K. Sellegri)
CONFERENCE: **13th IGAC Science Conference 2014**
PUBLICATION: In abstracts volume
CONFERENCE VENUE: Natal, Brazil
DATE: 22-26 September 2014

PARTICIPATION-122

AUTHORS: **Pey J.**, Cerro J.C., Hellebust S., DeWitt H.L., Temime-Roussel B., Elser M., Pérez N., Sylvestre A., Salameh D., Mocnik G., Prévôt A.S.H., Zhang Y.L., Szidat S., Marchand N.
TITLE: Atmospheric monitoring in the western Mediterranean in summer 2013: overview of physic-chemical properties and variability
TYPE OF PARTICIPATION: Oral (J. Pey)
CONFERENCE: **AAAR 2014**
PUBLICATION: In abstracts volume 144
CONFERENCE VENUE: Orlando (Florida), EEUU
DATE: 20-24 October 2014

PARTICIPATION-123

AUTHORS: **Pey J.**, DeWitt H.L., Temime-Roussel B., Même A., Charriere B., Sempere R., Delmont A., Mas S., Parin D., Rose C., Schwier A., R'mili B., Sellegri K., D'Anna B., Marchand N.
TITLE: Chemical composition of marine emissions from Mediterranean seawaters: results from a mesocosm study
TYPE OF PARTICIPATION: Oral (J. Pey)
CONFERENCE: **AAAR 2014**

PUBLICATION: In abstracts volume 101
CONFERENCE VENUE: Orlando (Florida), EEUU
DATE: 20-24 October 2014

PARTICIPATION-124

AUTHORS: DeWitt H.L., **Pey J.**, Hellebust S., Temime-Roussel B., Mizzi A., Salameh D., Sylvestre A., Elser M., Pérez N., Cerro J.C., Jaffrezo J.L., Mocnik G., Prévôt A.S.H., Marchand N.

TITLE: Comparison of the sources of Organic Aerosol (OA) using Aerosol Mass Spectrometry at two Mediterranean islands: Corsica and Mallorca

TYPE OF PARTICIPATION: Oral (H.L. DeWitt)

CONFERENCE: **AAAR 2014**

PUBLICATION: In abstracts volume 146

CONFERENCE VENUE: Orlando (Florida), EEUU

DATE: 20-24 October 2014

PARTICIPATION-125

AUTHORS: Hellebust S., **Pey J.**, Temime-Roussel B., DeWitt H.L., Elser M., Cerro J.C., Prévôt A.S.H., Marchand N.
TITLE: Single particle chemical profiles for improved source identification and quantification of atmospheric aerosol sources in combination with Aerosol Mass Spectrometry data

TYPE OF PARTICIPATION: Oral (S. Hellebust)

CONFERENCE: **AAAR 2014**

PUBLICATION: In abstracts volume 145

CONFERENCE VENUE: Orlando (Florida), EEUU

DATE: 20-24 October 2014

Participation in invited Conferences

QUEROL X., FERNÁNDEZ-PATIER R., ALASTUEY A., MORENO T., VIANA M.M., CASTILLO S., PEY J., et al. Contaminación atmosférica por material particulado en zonas urbanas de España. Jornadas de Análisis Instrumental, Expoquímica, Feria de Barcelona, 16 de Noviembre de 2005.

QUEROL X., FERNÁNDEZ-PATIER R., ALASTUEY A., MORENO T., VIANA M.M., CASTILLO S., PEY J., et al. PM10, PM2.5, Metals and PAH: Monitoring strategies and range of concentrations in Spain. Workshop Towards for Europe: a Challenge. Siracusa, Italy, 9-11 November 2005.

QUEROL X., FERNÁNDEZ-PATIER R., ALASTUEY A., MORENO T., VIANA M.M., CASTILLO S., PEY J., et al. PM10, PM2.5. Speciation and source apportionment of PM in Spain and comparison with other European regions. Internacional Conference on PM and Health, COST Action 633, Viena 3-5 April 2006.

QUEROL X., FERNÁNDEZ-PATIER R., ALASTUEY A., MORENO T., VIANA M.M., CASTILLO S., PEY J., et al. PM10, PM2.5. Workshop on the Outcome of the Krakow Integrated Project "Particulate Matter: Spanish experience on PM source apportionment, including natural contributions. From toxic emissions to health effects" 15-16 May 2006, Krakow Municipal Office, Poland.

QUEROL X., ALASTUEY A., MORENO T., VIANA M.M., CASTILLO S., PEY J., et al. Resultados de los estudios de contaminación por material particulado realizados en España. V Seminario de Calidad del aire en España, Santander, 16-18 Octubre de 2006.

QUEROL X., ALASTUEY A., MORENO T., VIANA M.M., CASTILLO S., PEY J., et al. Resultados de los estudios de contaminación por material particulado realizados en España. Seminario de gestión ambiental: Transporte, contaminación local y salud humana, Fundación Gas Natural y Consejería de Medio Ambiente, Xunta de Galicia, Vigo 28 de Septiembre de 2006.

QUEROL X., ALASTUEY A., MORENO T., VIANA M.M., CASTILLO S., PEY J., et al. Niveles y composición del material particulado atmosférico. Situación respecto a los límites de la Directiva Europea. 2ª Jornada Técnica sobre contaminación atmosférica. Gobierno Vasco, Consejería de Medio Ambiente. Bilbao, 4 de Octubre de 2006.

QUEROL X., ALASTUEY A., CASTILLO S., ESCUDERO M., PEY J., et al. African dust outbreaks over Spain and Portugal: Phenomenology and procedure for the detection and subtraction of natural dust contributions to PM10 and PM2.5. Workshop on Natural Sources to PM levels in Europe Workshop. Joint Research Centre, EC, Ispra, 12-13 Octubre de 2006.

QUEROL X., ALASTUEY A., MORENO T., VIANA M.M., CASTILLO S., PEY J., PÉREZ N., RODRÍGUEZ S., ARTÍÑANO B., SALVADOR P., SÁNCHEZ M., GARCÍA DOS SANTOS S., HERCE GARRALETA M.D., FERNÁNDEZ PATIER R., MORENO S., NEGRAL L., MINGUILLÓN M.C., MONFORT E., SANZ M.J., PALOMO-MARÍN R., PINILLA-GIL E.R., CUEVAS E., DE LA ROSA J., SÁNCHEZ DE LA CAMPA A. Atmospheric Particulate Matter (PM10 and PM2.5) in Spain (1999-2005): Levels, Composition and Source Origin. RECTA, Primera Reunión Española de Ciencia y Tecnología de Aerosoles 2007, Madrid, España, 5-6 julio 2007.

QUEROL X., ALASTUEY A., MORENO T., VIANA M.M., CASTILLO S., PEY J., PÉREZ N., RODRÍGUEZ S., ARTÍÑANO B., SALVADOR P., SÁNCHEZ M., GARCÍA DOS SANTOS S., HERCE GARRALETA M.D., FERNÁNDEZ PATIER R., MORENO S., NEGRAL L., MINGUILLÓN M.C., MONFORT E., SANZ M.J., PALOMO-MARÍN R., PINILLA-GIL E.R., CUEVAS E., DE LA ROSA J., SÁNCHEZ DE LA CAMPA A. PM speciation in Spain. Health relevance of particulate matter from various sources. WHO, Bonn, Germany, 26-27 March 2007.

QUEROL X., ALASTUEY A., MORENO T., VIANA M.M., CASTILLO S., PEY J., PÉREZ N., RODRÍGUEZ S., ARTÍÑANO B., SALVADOR P., SÁNCHEZ M., GARCÍA DOS SANTOS S., HERCE GARRALETA M.D., FERNÁNDEZ PATIER R., MORENO S., NEGRAL L., MINGUILLÓN M.C., MONFORT E., SANZ M.J., PALOMO-MARÍN R., PINILLA-GIL E.R., CUEVAS E., DE LA ROSA J., SÁNCHEZ DE LA CAMPA A. Levels and composition of PM in Spain (1999-2007). COST 633 Particulate Matter Properties Related to Health Effects, of the 8th Meeting of the Management Committee, Barcelona, October 22 - 24, 2007.

QUEROL X., ALASTUEY A., PEY J., PÉREZ N., ESCUDERO M., CASTILLO S., CRISTÓBAL A., PALLARÉS M., GONZÁLEZ A., JIMÉNEZ S., ALONSO N., ALONSO S., CUEVAS E., DE LA ROSA J. African dust influence on ambient PM levels in Europe (Spain and Portugal), a quantitative approach to support implementation of air quality directives. WMO/GEO Expert Meeting on an International Sand and Dust Storm Warning System, -7-9 November 2007, Barcelona Supercomputing Center (BSC) Barcelona, Spain.

QUEROL X., A. ALASTUEY, T. MORENO, M. VIANA, J. PEY, N. PEREZ, F. AMATO, J. DE LA ROSA, B. ARTIÑANO, P. SALVADOR, M.C. MINGUILLÓN, E. MONFORT, S. GARCIA DOS SANTOS, M.D. HERCE, R. FERNANDEZ-PATIER. Origin of airborne particulate matter in Spain (1999-2007): Special focus on mineral dust. Natural History Museum, London, 29-30 January 2008.

QUEROL X., ALASTUEY A., VIANA M.M., MORENO T. , PEY J., PÉREZ N., AMATO F., MINGUILLÓN M., ARTIÑANO B., SALVADOR P., FERNÁNDEZ-PATIER R., GARCÍA DOS SANTOS S., HERCE M.D., MONFORT E., DE LA ROSA J., SÁNCHEZ DE LA CAMPA A., PALOMO R., PINILLA E. R., MORENO S, NEGRAL L. La calidad del aire urbano en España. Seminario de Gestión Ambiental. Fundación Gas Natural. Santander, 6 de febrero de 2008. Contaminación local y salud humana.

QUEROL X., VIANA M.M., ALASTUEY A., MORENO T., AMATO F., PANDOLFI M., PEY. J. Source apportionment of PM. Royal Society of Chemistr-AAMG. Monitoring Ambient Air 2008, Airborne Particles: Origins, Composition and Effects, 16th & 17th December 2008 at the Society of Chemical Industry, London UK.

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QUEROL X., A. ALASTUEY, T. MORENO, M. VIANA, J. PEY, M. PANDOLFI, M.C. MINGUILLÓN, N. PÉREZ, F. AMATO, M. CUSACK, C. RECHE, N. MORENO. Transit i qualitat de l'aire urbà. Transports Metropolitans de Barcelona, Jornades presentación filtres SCRT autobuses. 10 de noviembre de 2010.

QUEROL X., A. ALASTUEY, F. AMATO, T. MORENO, M. VIANA, J. PEY, M. PANDOLFI, M.C. MINGUILLON, N. PEREZ, J. DE LA ROSA, A. SÁNCHEZ DE LA CAMPA, A. GONZÁLEZ ORTIZ, S. JIMÉNEZ, M. PALLARÉS. El reto de las zonas urbanas (partículas, PM10, PM2,5...). Jornadas sobre Calidad del aire: El papel de los técnicos de aquí al 2020. Nuevos retos. Congreso Nacional de Medio Ambiente, 23 de noviembre 2010.

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ALASTUEY A., QUEROL X., VIANA M.M., PEY J., PÉREZ N., MORENO T., AMATO F., PANDOLFI M., CUSACK M., RIPOLL A., AND RECHE C. DE LA ROSA J., GONZALEZ CASTANEDO Y., SÁNCHEZ DE LA CAMPA A. Trace metals in PM: Spain. EMEP Task Force on Measurements and Modelling. 12th meeting 11-13 May, 2011, Zurich.

VIANA M., PEY J., DE LEEUW F., QUEROL X., ALASTUEY A., DALL'OSTO M., MORENO T. (2011) Reporting on natural events in the EU Member States under the AQ Directive. Invited talk, 16th EIONET Workshop on Air Quality Assessment and Management. Bordeaux, October 13th, 2011.

PEY J. (2014). Saharan dust in southern Europe in the period 2001-2011: estimation and geographical distribution. Cicle de conferencies de la Reial Societat Espanyola de Química, secció territorial Illes Balears. Palma de Mallorca, June 17th 2014.

Tribunal member in PhD thesis dissertation

- Member in the PhD Thesis "Desarrollo y Aplicación de nuevas metodologías analíticas y de interpretación de datos para la caracterización de aerosoles atmosféricos". M^a Rosa Palomo. Universidad de Extremadura. Directors: L. Calvo, E. Pinilla, X. Querol. 9 de July 2010. Excellent *Cum Laude*.
- Member in the PhD Thesis "Caracterización físico-química del material particulado atmosférico de origen industrial en Andalucía". Yolanda González Castanedo. Universidad de Huelva. Directors: Jesús D. de la Rosa Díaz, J. Andrés Alastuey Urós, Victoria E. Cachorro Revilla. 12 July 2011. Excellent *Cum Laude*.
- Member in the PhD Thesis "Origen y características de las partículas finas y ultrafinas en el aire ambiente de Huelva". Rocío Fernández Camacho. Universidad de Huelva. Directors: Sergio Rodríguez González, Jesús Damián de la Rosa Díaz. Defensa 13 July 2011. Excellent *Cum Laude*.

Supervision of PhD Thesis

- Niveles y tendencias, composición química y fuentes de material particulado atmosférico en el fondo regional insular del Mediterráneo occidental. **José Carlos Cerro Garrido**. Universitat de les Illes Balears. Directors: X. Querol, J. Pey. Started on April 2012.

Supervision of Master Thesis

- Comportament del material particulat atmosfèric en una zona de fons continental al Nord-est de la Península Ibèrica. **Anna Ripoll Roca**. Universitat de Barcelona. Supervisors: A. Alastuey, M.C. Minguillón, J. Pey. June 2012.

Experience in organization and management of Research and Development programmes

- Scientific evaluator of 2010 calls “State Science Grants Competition 2009” promoted by the Georgia National Science Fundation.
- Scientific evaluator of 2011 calls “State Grants for Fundamental Research and Applied Research” promoted by the Shota Rustaveli National Science Fundation.
- Scientific evaluator of 2012 calls “State Grants for Fundamental Research and Applied Research” promoted by the Shota Rustaveli National Science Fundation.

Reports

- Participation in the report: Interpretación de Series Temporales (1999-2003) de Niveles de Partículas en suspensión en España. Participants: CSIC, CIEMAT, ISCIII, Universidad Extremadura, Universidad Politécnica de Cartagena. For the Ministerio de Medio Ambiente y la Secretaría General de Medio Ambiente. September 2005.
- Participation in the report: Caracterización química de material particulado en España (2004). Participants: CSIC, CIEMAT, ISCIII, Universidad Extremadura, Universidad Politécnica de Cartagena. For the Ministerio de Medio Ambiente y la Secretaría General de Medio Ambiente. May 2006.
- Participation in the report: Caracterización química de material particulado en España (2007). Participants: CSIC, CIEMAT, ISCIII. For the Ministerio de Medio Ambiente y la Secretaría General de Medio Ambiente. June 2009.
- Participation in the report: IDENTIFICACIÓN DE EPISODIOS DE TRANSPORTE A LARGA DISTANCIA DE MASAS DE AIRE CON ELEVADOS NIVELES DE PARTÍCULAS EN SUSPENSIÓN EN ESPAÑA (2003). Participan: CSIC, INM, CIEMAT, ISCIII. For the Ministerio de Medio Ambiente y la Secretaría General de Medio Ambiente. January 2004.
- Participation in the report: EPISODIOS NATURALES DE PARTÍCULAS (2004). Participants: CSIC, INM, CIEMAT. For the Ministerio de Medio Ambiente y la Secretaría General de Medio Ambiente. September 2005.
- Participation in the report: EPISODIOS NATURALES DE PARTÍCULAS (2005). Participants: CSIC, INM, CIEMAT. For the Ministerio de Medio Ambiente y la Secretaría General de Medio Ambiente. February 2006.
- Participation in the report: EPISODIOS NATURALES DE PARTÍCULAS (2006). Participants: CSIC, INM, CIEMAT. For the Ministerio de Medio Ambiente y la Secretaría General de Medio Ambiente. March 2007.
- Participation in the report: EPISODIOS NATURALES DE PARTÍCULAS (2007). Participants: CSIC, AEMet, CIEMAT. For the Ministerio de Medio Ambiente y la Secretaría General de Medio Ambiente. March 2008.
- Coordination of the report: EPISODIOS NATURALES DE PARTÍCULAS (2008). Participants: CSIC, AEMet, CIEMAT. For the Ministerio de Medio Ambiente, y Medio Rural y Marino, Subdirección General de Calidad del Aire y Medio Ambiente Industrial. April 2009.
- Coordination of the report: EPISODIOS NATURALES DE PARTÍCULAS (2009). Participants: CSIC, AEMet, CIEMAT. For the Ministerio de Medio Ambiente, y Medio Rural y Marino, Subdirección General de Calidad del Aire y Medio Ambiente Industrial. April 2010.
- Coordination of the report: EPISODIOS NATURALES DE PARTÍCULAS (2010). Participants: CSIC, AEMet, CIEMAT. For the Ministerio de Medio Ambiente, y Medio Rural y Marino, Subdirección General de Calidad del Aire y Medio Ambiente Industrial. March 2011.

- Coordination of the report: EPISODIOS NATURALES DE PARTÍCULAS (2011). Participants: CSIC, AEMet, CIEMAT. For the Ministerio de Agricultura, Alimentación y Medio Ambiente, Subdirección General de Calidad del Aire y Medio Ambiente Industrial. March 2012.
- Coordination of the report: EPISODIOS NATURALES DE PARTÍCULAS (2012). Participants: CSIC, AEMet, CIEMAT. For the Ministerio de Agricultura, Alimentación y Medio Ambiente, Subdirección General de Calidad del Aire y Medio Ambiente Industrial. May 2013.
- Coordination of the report: INFORME SOBRE INTERPRETACIÓN DE LA VARIABILIDAD DE LOS NIVELES DE MATERIAL PARTICULADO ATMOSFÉRICO EN ESTACIONES DE FONDO REGIONAL DE ESPAÑA EN 1998-2007. Participants: CSIC, AEMet. For the Ministerio de Medio Ambiente, y Medio Rural y Marino, Subdirección General de Calidad del Aire y Medio Ambiente Industrial. November 2008.
- Participation in the report: NIVELES, COMPOSICIÓN Y CONTRIBUCIÓN DE FUENTES DEL MATERIAL PARTICULADO ATMOSFÉRICO EN LA LOCALIDAD DE SARIÑENA (in Spanish). For the Gobierno de Aragón, Dirección General de Calidad Ambiental y Cambio Climático. Departamento de Medio Ambiente. December 2009.
- Participation in the technical report: Nivells i composició de partícules atmosfèriques en suspensió a una estació de fons regional al Montseny (in Catalan). For the Generalitat de Catalunya, Departament de Medi Ambient i Habitatge. November 2009.
- Participation in the technical report: Nivells i composició de partícules atmosfèriques en suspensió a una estació de urbà de Barcelona (in Catalan). For the Generalitat de Catalunya, Departament de Medi Ambient i Habitatge. November 2009.
- Elaboration of the document "PROCEDIMIENTO PARA LA IDENTIFICACIÓN DE EPISODIOS NATURALES DE PM10 Y PM2,5, Y LA DEMOSTRACIÓN DE CAUSA EN LO REFERENTE A LAS SUPERACIONES DEL VALOR LÍMITE DIARIO DE PM10". For the Ministerio de Medio Ambiente, y Medio Rural y Marino, Subdirección General de Calidad del Aire y Medio Ambiente Industrial-España, y para el Ministério do Ambiente, Ordenamento do Território e Desenvolvimento Regional – Portugal, Agência Portuguesa do Ambiente. October 2006.

Scientific Referee in SCI journals

Atmospheric Chemistry and Physics; Atmospheric Environment; Atmospheric Research; Journal of Atmospheric Chemistry; Particulology; Water, Air, & Soil Pollution; Journal of Environmental Management; International Journal of Environmental Analytical Chemistry; Ecological Indicators; Environmental Science and Pollution Research; Urban Climate; Journal of Pollution Effects & Control

Other merits

1. Techniques, Instrumentation and analytical procedures used regularly

- Meteorological tools for data interpretation (air masses back-trajectories, meteorological maps, satellite images, atmospheric sounding profiles, in-situ meteorological data)
- High and low volume instruments for sampling of atmospheric aerosols (TSP, PM₁₀, PM_{2,5}, PM₁).
- Cascade impactors for sampling and particle size classification of atmospheric aerosols (<0.3µm to >20µm).
- Optical counters for number and mass concentration of atmospheric aerosols in the size 0.3µm -20µm.
- Differential mobility analyzer and condensation particle counters for the determination of number and size distribution of fine and ultrafine particles in the atmosphere (DMPS/SMPS systems)
- Gaseous pollutants monitors
- Denuders for avoiding sampling artefacts
- Organic and elemental carbon determination
- Mercury determination in samples
- Real time measurements of absorption coefficient of atmospheric aerosols (black carbon)
- Measurements with Atmospheric Chemical Speciation Monitor for online chemistry of aerosols
- Measurements with HR-ToF-AMS (high-resolution online aerosol chemistry) and data management with Igor tools
- Monitoring of VOCs with PTR-ToF-MS instrument

2. Scientific, academic and technical courses received

- Supervisor of Radioactive equipments. Organized by the "Institut de Tècniques Energètiques", Polytechnic University of Catalonia. Barcelona, Spain 30 May-8 June 2011.
- Training course in ACSM (Atmospheric Chemical Speciation Monitor) manage. Organized by Aerodyne Research. Boston, EEUU (January-February 2011).
- Technical course: "Caracterización de partículas en el mundo real". Organized by Álava Ingenieros. Barcelona, Spain (December 2010).
- EUSAAR CPC D/SPMS Calibration Workshop. Leipzig, Germany (12-21November 2006).
- Technical course: "Medida de partículas ultrafinas en aerosoles atmosféricos y en emisiones diesel". Organized by Álava Ingenieros. Madrid, Spain (October, 2006).
- Training course on atmospheric aerosols measurements "Measurements of atmospheric aerosols: Aerosol physics, sampling and measurement techniques". Hytiälä, Finland (20-20 May 2006). Organized by EUSAAR network.
- Technical course: "Medida de partículas ultrafinas en aerosoles atmosféricos y en emisiones diesel". Organized by Álava Ingenieros. Madrid, Spain (June, 2005).
- Technical course: Applied teledetection for topographic maps elaboration. Organized by the Academia General Militar de Zaragoza. Zaragoza, Spain (June, 2000).

3. Scientific, academic and technical courses imparted

- *IN-SITU MEASUREMENT AND ANALYSIS OF ATMOSPHERIC AEROSOLS*: II Lectures on atmospheric mineral dust. WMO SDS-WAS Regional Center for NA-ME-E. Barcelona (Spain), 5-9th November 2012.
- *IN-SITU MEASUREMENT AND ANALYSIS OF ATMOSPHERIC AEROSOLS*: 2nd Training Course on WMO SDS-WAS (satellite and ground observation and modelling of atmospheric dust), organized by the Northern Africa-Middle East-Europe (NA-ME-E) Regional Center. Antalya (Turkey), 21-25th November 2011.
- *AFRICAN DUST DETECTION AND QUANTIFICATION*. TAIEX study, organized by the Institute of Environmental Assessment and Water Research, CSIC. Barcelona (Spain), 16-18th May 2011.