

# Synthèse des communications scientifiques (articles, conférences, stages, thèses...) en lien avec la PCOA

## 2013

Campistron B., F. Saïd, H. Delbarre, P. Augustin and D. Lambert, 2013  
*Rain profiling with a UHF wind profiler and its application to soil erosion study.*  
7<sup>th</sup> HyMeX workshop, 7-10 October, Cassis, France

Corsmeier, U., 2013  
*KIT/DO128 measurements (SOP1).*  
HYMEX debriefing, 15-17 April, Toulouse.

Ducrocq, C, I. Braud, S. Davolio, R. Ferretti, C. Flamant, A. Jansa, N. Kalthoff, E. Richard, I. Taupier-Letage, P.-A. Ayrat, S. Belamari, A. Berne, M. Borga, B. Boudevillain, O. Bock, J.-L. Boichard, M.-N. Bouin, O. Bousquet, C. Bouvier, J. Chiggiato, D. Cimini, U. Corsmeier, L. Coppola, P. Cocquerez, E. Defer, J. Delanoë, P. Di Girolamo, A. Doerenbecher, P. Drobinski, Y. Dufournet, N. Fourrié, J. J. Gourley, L. Labatut, D. Lambert, J. Le Coz, F. S. Marzano, G. Molinié, A. Montani, G. Nord, M. Nuret, K. Ramage, B. Rison, O. Roussot, F. Said, A. Schwarzenboeck, P. Testor, J. Van-Baelen, B. Vincendon, M. Aran, J. Tamayo, 2013  
*HyMeX-SOP1, the field campaign dedicated to heavy precipitation and flash-flooding in the northwestern Mediterranean*  
Bulletin of the American Meteorological Society, volume n/a.

Dulac, F., L. Alados Arboledas, A. Alastuey, G. Ancellet, J. Arndt, J.-L. Attié, P. Augustin, S. Becagli, G. Bergametti, M. Bocquet, F. Bordier, A. Bourdon, T. Bourriane, J.A. Bravo-Aranda, D. Carrer, X. Ceamanos, P. Chazette, I. Chiapello, A. Comerón, G. D'Amico, B. D'Anna, H. Delbarre, C. Denjean, K. Desboeufs, J. Descloitres, M. Diouri, C. Di Biagio, T. Di Iorio, G. Di Sarra, L. Doppler, P. Durand, L. El Amraoui, R. Ellul, H. Ferré, L. Fleury, P. Formenti, E. Freney, C. Gaimoz, E. Gerasopoulos, P. Goloub, J.L. Gómez-Amo, M.J. Granados-Muñoz, N. Grand, J. Gröbner, J.-L. Guerrero Rascado, C. Guieu, D. Hadjimitsis, E. Hamonou, H.C. Hansson, M. Iarlori, S. Ioannou, C. Jambert, E. Jaumouillé, M. Jeannot, W. Junkermann, C. Keleshis, P. Kokkalis, D. Lambert, B. Laurent, J.-F. Léon, C. Liousse, M. Lopez Bartolome, R. Losno, M. Mallet, R.-E. Mamouri, D. Meloni, L. Menut, N. Montoux, R. Morales Baquero, P. Nabat, F. Navas-Guzmán, D. Nicolae, J.B. Nicolas, G. Notton, W. Ohayon, C. Paoli, A. Papayannis, J. Pelon, J. Pey, V. Pont, M. Pujadas, X. Querol, F. Ravetta, J.-B. Renard, V. Rizi, G. Roberts, J.-L. Roujean, K.N. Sartelet, J.-L. Savelli, J. Sciare, K. Sellegri, D.M. Sferlazzo, M. Sicard, A. Smyth, F. Solmon, D. Tanré, B. Torres, J. Totems, A. Tovar Sánchez, N. Verdier, D. Vignelles, J. Vincent, F. Wagner, Y. Wang, J. Wenger, N. Yassaa, 2013  
*Overview of the Project ChArMEx activities on Saharan Dust in the Mediterranean region.*  
7<sup>th</sup> Int. Workshop on Sand/Duststorms and Associated Dustfall, 2-4 Dec., Frascati, Italy

Dulac F., J. Sciare, J.B. Nicolas, J.E. Petit, E. Hamonou, M. Ramonet, G. Roberts, T. Bourriane, M. Mallet, V. Pont, D. Lambert, J.-F. Léon, et al., 2013  
*The new Mediterranean background monitoring station of Ersa, Cape Corsica : A long term Observatory component of the Chemistry-Aerosol Mediterranean Experiment (ChArMEx).*  
Geophys. Res. Abstracts, 15(EGU2013-12551), 2013.

Dulac F., J.B. Nicolas, J. Sciare, M. Mallet, J.-F. Léon, et al., 2013  
*The summer 2012 Saharan dust season in the western Mediterranean with focus on the intense event of late June during the Pre-ChArMEx campaign.*  
Geophys. Res. Abstracts, 15(EGU2013-12108), 2013.

Kalogridis C., V. Gros, B. Bonsang, V. Michoud, N. Locoge, S. Sauvage, T. Léonardis, S. Dusanter, A. Kukui, A. Colomb, M. Cazaunau, F. Gheusi, A. Borbon, N. Daskalakis and M. Kanakidou, 2014  
*Characterisation of primary and secondary biogenic volatile organic compounds (BVOCs) in Corsica during the ChArMEx experiment, summer 2013*  
EGU General Assembly, 27 April-2 May, Vienne, Autriche

Kalthoff N., 2013

*Corsica supersites (Corte, San Giuliano, SOP1).*

HYMEX debriefing, 15-17 April, Toulouse.

Kalthoff N., B. Adler, A. Wieser, M. Kohler, K. Träumner, J. Handwerker, U. Corsemeier, S. Khodayar, D. Lambert, A. Kopmann, N. Kunka, G. Dick, M. Ramatschi, J. Wickert, C. Kottmeier, 2013

*KITcube - a mobile observation system for convection studies deployed during HyMeX*

Meteorologische Zeitschrift, Vol. 22, N° 6, 633–647

Lacour, A., 2013

*Variabilités temporelles de la composition chimique des aérosols en Méditerranée Occidentale*

Stage de Master 2 Physique et environnement, Univ. Orsay, France, June 2013

Lambert D. and the CORSiCA Team, 2013

*CORSiCA Atmospheric Observatory: Intense activities in 2012 in the frame of HyMeX and ChArMEX.*

EGU General Assembly, 7-12 April, Vienne, Autriche

Lambert D. and the CORSiCA team, 2013

*CORSiCA: a Mediterranean atmospheric and oceanographic observatory in Corsica within the framework of HyMeX and ChArMEX*

7<sup>th</sup> HyMeX workshop, 7-10 October, Cassis, France

Lambert D., E. Richard and P. Scheffknecht, 2013

*Characterisation of intense rainfall in Corsica using Meso-NH model.*

7<sup>th</sup> HyMeX workshop, 7-10 October, Cassis, France

Mallet M., O. Dubovik, P. Nabat, F. Dulac, R. Kahn, J. Sciare, D. Paronis, and J. F. Léon, 2013

*Absorption properties of Mediterranean aerosols obtained from multi-year ground-based remote sensing observations*

Atmos. Chem. Phys., 13, 9195–9210, 2013

Nicolas J. B., J. Sciare, J.-E. Petit, N. Bonnaire, A. Féron, F. Dulac, E. Hamonou, V. Gros, M. Mallet, D. Lambert, S. Sauvage, T. Léonardis, E. Tison, A. Colomb, E. Fresney, J.-M. Pichon, L. Bouvier, T. Bourrienne, and G. Roberts, 2013

*New insights on aerosol sources and properties of Organics in the west Mediterranean basin.*

EGU General Assembly, 7-12 April, Vienne, Autriche

Nicolas, J., 2013. thèse de l'UVSQ. Titre : Caractérisation physico-chimique de l'aérosol troposphérique en Méditerranée : sources et devenir. (soutenue le 6 décembre 2013)

Pichon J.-M., A. Colomb, F. Gheusi, S. Sauvage, V. Pont, E. Tison, E. Bordier, G. Grignion, J.-L. Savelli, F. Dulac, J. Sciare, J. Nicolas, T. Bourrienne, L. Bouvier, 2013

*Real-time measurement of reactive gases (NO, NO<sub>2</sub>, O<sub>3</sub>, CO) at ERSA, Cape Corsica, a long term Observatory.*

EGU General Assembly, 7-12 April, Vienne, Autriche

Richard E., 2013

*Heavy precipitation and flash-flood events in France.*

HYMEX debriefing, 15-17 April, Toulouse.

Roberts G., T. Bourrienne, J.-F. Léon, V. Pont, M. Mallet, D. Lambert, P. Augustin, F. Dulac, and W. Junkermann, 2013

*The Vertical Structure, Sources, and Evolution of Aerosols in the Mediterranean Region.*

EGU General Assembly, 7-12 April, Vienne, Autriche

Saïd F. and TTO1c team, 2013

*Wind profilers network (TTO1c).*  
HYMEX debriefing, 15-17 April, Toulouse.

Saïd F., B. Campistron, S. Paupe, D. Lambert, O. Bock, O. Bousquet, O. Caumont, C. Champollion, H. Delbarre, J.-M. Donier, T. Douffet, P. Di Girolamo, O. Garrouste, R. Guillot, D. Legain, S. Prieur and A. Sokolov, 2013  
*Continuous humidity profiling using a wind-profiler radar in the UHF band.*  
7<sup>th</sup> HyMeX workshop, 7-10 October, Cassis, France

Sciare J., 2013  
*Présentation des résultats de l'ACSM de CORSiCA.*  
Workshop ACTRIS (Aerosols, Clouds, and Trace gases Research InfraStructure Network) à Zagreb, 6 mai 2013

Sciare J., 2013  
Présentation des résultats de l'ACSM de CORSiCA  
Meeting EMEP (European Monitoring and Evaluation Programme) à Paris, 13 mai 2013

Sciare et al., 2013  
*Seasonal perspectives of the Oxidation State and Sources of OA in Cape Corsica: First results of 15-month continuous observations with ACSM.*  
International conference, AMS user meeting, Prague, Rep. Tchèque, Sept. 2013

Sokolov A., H. Delbarre, B. Campistron, F. Saïd, D. Lambert, N. Kalthoff and A. Wieser, 2013  
*Multi-scale study of the dynamics of low troposphere by correlation technique using UHF radar measurements at Southern Corsica.*  
7<sup>th</sup> HyMeX workshop, 7-10 October, Cassis, France

Tamas W., G. Notton, C. Paoli, C. Voyant, M-L. Nivet, et A. Balu, 2013  
*Urban ozone concentration forecasting with artificial neural network in Corsica.*  
International Conference EENVIRO, 19-20 September 2013, Bucharest, Romania