



PUBLICATIONS / PRODUCTIONS

du laboratoire

CNRM/GAME, UMR 3589

ANNEE 2013

Version finale

Codification des publications et productions

ACL : Articles dans des revues internationales ou nationales avec comité de lecture répertoriées par l'AERES ou dans les bases de données internationales (ISI Web of Knowledge, Pub Med...).

ACLN : Articles dans des revues avec comité de lecture non répertoriées par l'AERES ou dans des bases de données internationales.

ASCL : Articles dans des revues sans comité de lecture.

C-INV : Conférences données à l'invitation du Comité d'organisation dans un congrès national ou international.

C-ACTI : Communications avec actes dans un congrès international.

C-ACTN : Communications avec actes dans un congrès national.

AP : Autres productions : bases de données, logiciels enregistrés, comptes rendus d'ouvrages, rapports de fouilles, guides techniques, catalogues d'exposition, rapports intermédiaires de grands projets internationaux, etc.

Dans cette dernière catégorie sont dissociées :

- les **THESES**
- les **HDR** (Habitations à Diriger des Recherches)

ACL

**Articles dans des revues internationales ou nationales avec comité de lecture
répertoriées par l'AERES ou dans les bases de données internationales
(ISI Web of Knowledge, Pub Med...)**

2013

GMAP

GMAP-ACL-2013-1 : Berre, L., M. Monteiro, and C. Pires: An impact study of updating background error covariances in the ALADIN-France data assimilation system. JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES, Volume: 118, Issue: 19, Pages: 11075-11086, Doi : 10.1002/jgrd.50847. Published: OCT 16 2013.

GMAP-2013-ACL-2 : Boilley, A. and Mahfouf, J.-F.: Wind shear over the Nice Côte d'Azur airport: case studies. NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, Volume: 13, Issue: 9, Pages: 2223-2238, Doi : 10.5194/nhess-13-2223-2013. Published: 2013.

GMAP-2013-ACL-3 : Chambon P., I. Jobard, R. Roca and N. Viltard : An investigation of the error budget of tropical rainfall accumulation derived from merged passive microwave and infrared satellite measurements. QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, Volume: 139, Issue: 673, Special Issue: SI, Pages: 879-893, Part: B. Doi : 10.1002/qj.1907. Published: APR 2013.

GMAP-2013-ACL-4 : Drouard M., G. Rivière and P. Arbogast, 2013 : The North Atlantic Oscillation Response to Large-Scale Atmospheric Anomalies in the Northeastern Pacific. JOURNAL OF THE ATMOSPHERIC SCIENCES, Volume: 70, Issue: 9, Pages: 2854-2874, Doi : 10.1175/JAS-D-12-0351.1. Published: SEP 2013.

GMAP-2013-ACL-5 : Gazeaux J., C. Clerbaux, M. George, J. Hadji-Lazaro, J. Kuttippurath, P-F. Coheur., D. Hurtmans, T. Deshler, M. Kovilakam, P. Campbell, V. Guidard, F. Rabier., and J-N. Thepaut : Intercomparison of polar ozone profiles by IASI/MetOp sounder with 2010 Concordiasi ozonesonde observations. ATMOSPHERIC MEASUREMENT TECHNIQUES, Volume: 6, Issue: 3, Pages: 613-620, Doi : 10.5194/amt-6-613-2013. Published: 2013.

GMAP-2013-ACL-6 : Leroux M-D., M. Plu, D. Barbary, F. Roux, and P. Arbogast, 2013 : Dynamical and Physical Processes Leading to Tropical Cyclone Intensification under Upper-Level Trough Forcing. JOURNAL OF THE ATMOSPHERIC SCIENCES, Volume: 70, Issue: 8, Pages: 2547-2565, Doi : 10.1175/JAS-D-12-0293.1. Published: AUG 2013.

GMAP-2013-ACL-7 : Martinet P., N. Fourrié, V. Guidard, F. Rabier, T. Montmerle and P. Brunel: Towards the use of microphysical variables for the assimilation of cloud-affected infra-red radiances. QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, Volume: 139, Issue: 674, Pages: 1402-1416, Part: A, Doi : 10.1002/qj.2046 Published: JUL 2013.

GMAP-2013-ACL-8 : Mary A., Dumont, M., Dedieu, J.-P., Durand, Y., Sirguey, P., Milhem, H., Mestre, O., Negi, H. S., Kokhanovsky, A. A., Lafaysse, M., and Morin, S.: Intercomparison of retrieval algorithms for the specific surface area of snow from near-infrared satellite data in mountainous terrain, and comparison with the output of a semi-distributed snowpack model. CRYOSPHERE, Volume: 7, Issue: 2, Pages: 741-761, Doi : 10.5194/tc-7-741-2013. Published: 2013.

GMAP-2013-ACL-9 : Michel Y., 2013: Estimating deformations of random processes for correlation modelling: methodology and the one-dimensional case. Quarterly Journal of The Royal Meteorological Society, Volume: 139 Issue: 672 Pages: 771-783 DOI: 10.1002/qj.2007 Part: A Published: APR 2013.

GMAP-2013-ACL-10 : Michel, Y., 2013: Estimating deformations of random processes for correlation modelling in a limited area model. Quarterly Journal of The Royal Meteorological Society, Volume: 139 Issue: 671 Special Issue: SI Pages: 534-547 DOI: 10.1002/qj.1978 Part: B Published: JAN 2013.

GMAP-2013-ACL-11 : Oruba L., G. Lapeyre, G. Rivière, 2013 : On the Poleward Motion of Midlatitude Cyclones in a Baroclinic Meandering Jet. JOURNAL OF THE ATMOSPHERIC SCIENCES, Volume: 70, Issue: 8, Pages: 2629-2649, Doi : 10.1175/JAS-D-12-0341.1. Published: AUG 2013.

GMAP-2013-ACL-12 : Raynaud L and O. Pannekoucke, 2013 : Sampling properties and spatial filtering of ensemble background error length-scales. QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, Volume: 139, Issue: 672, Pages: 784-794, Part: A, Doi : 10.1002/qj.1999. Published: APR 2013.

GMAP-2013-ACL-13 : Rivière G., J.-B. Gilet and L. Oruba, 2013 : Understanding the Regeneration Stage Undergone by Surface Cyclones Crossing a Midlatitude Jet in a Two-Layer Model. JOURNAL OF THE ATMOSPHERIC SCIENCES Volume: 70, Issue: 9, Pages: 2832-2853, Doi : 10.1175/JAS-D-12-0345.1. Published: SEP 2013.

GMEI

GMEI-2013-ACL-1 : Augros, C., P. Tabary, A. Anquez, J.M., Moisselin, P. Brovelli and O. Bousquet, 2013 : Development of a nation-wide low-level wind shear mosaic in France. WEATHER AND FORECASTING, Volume: 28, Issue: 5, Pages: 1241-1260, Doi : 10.1175/WAF-D-12-00115.1. Published: OCT 2013.

GMEI-2013-ACL-2 : Beck, J., and O. Bousquet, 2013 : Using Gap-Filling Radars in Mountainous Regions to Complement a National Radar Network: Improvements in Multiple-Doppler Wind Syntheses. JOURNAL OF APPLIED METEOROLOGY AND CLIMATOLOGY, Volume: 52, Issue: 8, Pages: 1836-1850, Doi : 10.1175/JAMC-D-12-0187.1. Published: AUG 2013.

GMEI-2013-ACL-3 : Bock, O., Bossler, P., Bourcy, T., David, L., Goutail, F., Hoareau, C., Keckhut, P., Legain, D., Pazmino, A., Pelon, J., Pipis, K., Poujol, G., Sarkissian, A., Thom, C., Tournois, G., and Tzanos, D.: Accuracy assessment of water vapour measurements from in-situ and remote sensing techniques during the DEMEVAP 2011 campaign at OHP. ATMOSPHERIC MEASUREMENT TECHNIQUES, Volume: 6, Issue: 10, Pages: 2777-2802, Doi : 10.5194/amt-6-2777-2013. Published: 2013.

GMEI-2013-ACL-4 : Collins, D.B., A.P. Ault, R.C. Moffet, M.J. Ruppel, L.A. Cuadra-Rodriguez, T.L. Guasco, C.E. Corrigan, B.E. Pedler, F. Azam, L.I. Aluwihare, T.H. Bertram, G.C. Roberts, V.H. Grassian, K.A. Prather: Impact of marine biogeochemistry on the chemical mixing state and the cloud forming ability of nascent sea spray aerosol. JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES, Volume: 118, Issue: 15, Pages: 8553-8565, Doi : 10.1002/jgrd.50598. Published: AUG 16 2013.

GMEI-2013-ACL-5 : Crumeyrolle, S., R. Weigel, K. Sellegri, G. Roberts, L. Gomes, A. Stohl, P. Laj, G. Momboisse, T. Bourianne, V. Puygrenier, F. Burnet, F. Chosson, J.L. Brenguier, J.M. Etcheberry, P. Villani, J.M. Pichon, A. Schwarzenboeck, 2013 : Airborne investigation of the aerosols-cloud interactions in the vicinity and within a marine stratocumulus over the North Sea during EUCAARI (2008). ATMOSPHERIC ENVIRONMENT, Volume: 81, Pages: 288-303, Published: DEC 2013.

GMEI-2013-ACL-6 : DeMott, P., J. Hudson, G. Roberts, and U. Bundke: Cloud Condensation and Ice Nuclei, in Airborne Measurements for Environmental Research, edited by M. Wendisch and J. Brenguier, p. 641 pages, John Wiley & Sons, 2013.

GMEI-2013-ACL-7 : Dossmann Y., F. Auclair and A. Paci, 2013 : Topographically induced internal solitary waves in a pycnocline : primary generation and topographic control. PHYSICS OF FLUIDS, Volume: 25, Issue: 6, Article Number: 066601, Doi : 10.1063/1.4808163. Published: JUN 2013.

GMEI-2013-ACL-8 : Dossmann Y., F. Auclair and A. Paci, 2013 : Topographically induced internal solitary waves in a pycnocline : secondary generation and spatial selection criteria. PHYSICS OF FLUIDS, Volume: 25, Issue: 8, Article Number: 086603, Doi : 10.1063/1.4817373. Published: AUG 2013.

GMEI-2013-ACL-9 : Frasier, S., F. Kabeche, J.F.I., Ventura, H.Al-Sakka, P. Tabary, J., Beck and O., Bousquet, 2013 : In-Place Estimation of Wet Radome Attenuation at X Band. JOURNAL OF ATMOSPHERIC AND OCEANIC TECHNOLOGY Volume: 30, Issue: 5, Pages: 917-928, Doi : 10.1175/JTECH-D-12-00148.1. Published: MAY 2013.

GMEI-2013-ACL-10 : Haeffelin, M., J.-C. Dupont, N. Boyouk, D. Baumgardner, L. Gomes, G. Roberts and T. Elias : A comparative study of fog and quasi-fog characteristics during the Paris Fog field experiment 2007. PURE AND APPLIED GEOPHYSICS, Volume: 170, Issue: 12, Pages: 2283-2303, Doi : 10.1007/s00024-013-0672-z. Published: DEC 2013.

GMEI-2013-ACL-11 : Juranyi Z., T. Tritscher, M. Gysel, M. Laborde, L. Gomes, G. Roberts, U. Baltensperger, and E. Weingartner: Hygroscopic mixing state of urban aerosol derived from size-resolved cloud condensation nuclei measurements during the MEGAPOLI campaign in Paris. ATMOSPHERIC CHEMISTRY AND PHYSICS, Volume: 13, Issue: 13, Pages: 6431-6446, Doi : 10.5194/acp-13-6431-2013. Published: 2013.

GMEI-2013-ACL-12 : Lacaze L., A. Paci, E. Cid, S. Cazin, O. Eiff, J.G. Esler and E.R. Johnson (2013) : Wave patterns generated by an axisymmetric obstacle in a two-layer flow. EXPERIMENTS IN FLUIDS, Volume: 54, Issue: 12, Article Number: 1618, Doi : 10.1007/s00348-013-1618-z. Published: DEC 2013.

GMEI-2013-ACL-13 : Lagouvardos, K., V. Kotroni, E. Defer, and O. Bousquet, 2013 : Study of a heavy precipitation event over southern France, in the frame of HYMEX project: Observational analysis and model results using assimilation of lightning. ATMOSPHERIC RESEARCH, Volume: 134, Pages: 45-55, Doi : 10.1016/j.atmosres.2013.07.003. Published: DEC 1 2013.

GMEI-2013-ACL-14 : Legain D., Bousquet O., Douffet T., Tzanos D., Moulin E., Barrie J., and Renard J.-B. High-frequency boundary layer profiling with reusable radiosondes. ATMOSPHERIC MEASUREMENT TECHNIQUES , Volume: 6, Issue: 8, Pages: 2195-2205, Doi : 10.5194/amt-6-2195-201. Published: 2013.

GMEI-2013-ACL-15 : Lei, M. and C. Baehr : Unscented and Ensemble Transform-based Variational Filter. PhysicaD : Nonlinear phenomena 246 (1) 1-14 (2013) ; DOI : 10.1016/j.physd.2012.11.006

GMEI-2013-ACL-16 : Prather, K.A., T.H. Bertram, V.H. Grassian, G.B. Deane, M.D. Stokes, P.J. DeMott, L.I. Aluwihare, B.D. Palenik, F. Azam, J.H. Seinfeld, R.C. Moffet, M.J. Molina, C.D. Cappa, F.M. Geiger, G.C. Roberts, L.M. Russell, A.P. Ault, J. Baltrusaitis, D.B. Collins, C.E. Corrigan, L.A. Cuadra-Rodríguez, C.J. Ebben, S.D. Forestieri, T.L. Guasco, S.P. Hersey, M.J. Kim, W.F. Lambert, R.L. Modini, W. Mui, B.E. Pedler, M.J. Ruppel, O.S. Ryder, N.G. Schoepp, R.C. Sullivan, and D. Zhao: Bringing the ocean into the laboratory to probe the chemical complexity of sea spray aerosol. PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, Volume: 110, Issue: 19, Pages: 7550-7555, Doi : 10.1073/pnas.1300262110. Published : MAY 7 2013.

GMEI-2013-ACL-17 : Russell, L.M., A. Sorooshian, J.H. Seinfeld, B.A. Albrecht, A. Nenes, L. Ahlm, Y.C. Chen, M. Coggon, J.S. Craven, R.C. Flagan, A.A. Frossard, H. Jonsson, E. Jung, J. Lin, A.R. Metcalf, R. Modini, J. Mülmenstädt, G.C. Roberts, T. Shingler, S. Song, A. Wang, and A. WonaSchütz : Eastern Pacific Emitted Aerosol Cloud Experiment (E-PEACE). BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, Volume: 94, Issue: 5, Pages: 709+, Doi : 10.1175/BAMS-D-12-00015.1. Published: MAY 2013.

GMEI-2013-ACL-18 : Siebert, H., J. Bethke, E. Bierwirth, T. Conrath, K. Dieckmann, F. Ditas, A. Ehrlich, D. Farrell, S. Hartmann, M.A. Izaguirre, J. Katzwinkel, L. Nuijens, G. Roberts, M. Schafer, R.A. Shaw, T. Schmeissner, I. Serikov, B. Stevens, F. Stratmann, B. Wehner, M. Wendisch, F. Werner, H. Wex : The Fine-Scale Structure of the Trade Wind Cumuli over Barbados - An Introduction to the CARRIBA Project. ATMOSPHERIC CHEMISTRY AND PHYSICS Volume: 13, Issue: 19, Pages: 10061-10077, Doi : 10.5194/acp-13-10061-2013. Published: 2013.

GMEI-2013-ACL-19 : Wonaschütz, A., M. Coggon, A. Sorooshian, R. Modini, A. Frossard, L. Ahlm, J. Mülmenstädt, G.C. Roberts, L.M. Russell, S. Dey, F.J. Brechtel, J.H. Seinfeld : Hygroscopic properties of smoke-generated organic aerosol particles emitted in the marine atmosphere. *ATMOSPHERIC CHEMISTRY AND PHYSICS*, Volume: 13, Issue: 19, Pages: 9819-9835, Doi : 10.5194/acp-13-9819-2013. Published : 2013.

GMGEC

GMGEC-2013-ACL-1 : Albouy, C., Guilhaumon, F., Leprieur, F., Lasram, FB., Somot, S., Aznar, R., Velez, L., Le Loc'h, F., Mouillot, D. : Projected climate change and the changing biogeography of coastal Mediterranean fishes. *Journal of Biogeography*, Volume : 40, Issue : 3, Pages : 534 - 547, Doi : 10.1111/jbi.12013. Published : MARS 2013.

GMGEC-2013-ACL-2 : Alkama, R., A. Ribes, B. Decharme, L. Marchand, 2013: Detection of global runoff changes: results from observations and CMIP5 experiments. *Hydrology and Earth System Sciences*, Volume 17, Issue: 7, Pages: 2967-2979, DOI: 10.5194/hess-17-2967-2013, Published: 2013.

GMGEC-2013-ACL-3 : Baray, J.-L., Y. Courcoux, P. Keckhut, T. Portafaix, P. Tulet, J.-P. Cammas, A. Hauchecorne, S. Godin Beekmann, M. De Mazière, C. Hermans, F. Desmet, K. Sellegri, A. Colomb, M. Ramonet, J. Sciare, C. Vuillemin, C. Hoareau, D. Dionisi, V. Dufлот, H. Vèrèmes, J. Porteneuve, F. Gabarrot, T. Gaudo, J.-M. Metzger, G. Payen, J. Leclair de Bellevue, C. Barthe, F. Posny, P. Ricaud, A. Abchiche, and R. Delmas, 2013: Maïdo observatory: a new high-altitude station facility at Reunion Island (21° S, 55° E) for long-term atmospheric remote sensing and in situ measurements. *Atmospheric Measurement Techniques*, Volume : 6, ISSUE : 10, Pages : 2865-2877, DOI : 10.5194/amt-6-2865-2013, Published: OCT 2013.

GMGEC-2013-ACL-4 : Barré, J., L. El Amraoui, P. Ricaud, J.-L. Attié, W. A. Lahoz, V.-H. Peuch, B. Josse, and V. Marécal, 2013 : Diagnosing the transition layer in the extra-tropical lowermost stratosphere using MLS O3 and MOPITT CO analyses. *Atmospheric Chemistry and Physics*, Volume : 13, Issue : 14, Pages : 7225-7240, Doi : 10.5194/acp-13-7225-2013. Published : 2013.

GMGEC-2013-ACL-5 : Bellon, G., and Stevens, B., 2013: Time Scales of the Trade Wind Boundary Layer Adjustment. *Journal of Atmospheric Sciences*, Volume : 70, Issue : 4, Pages : 1071-1083, Doi : 10.1175/JAS-D-12-0219.1. Published : APR 2013.

GMGEC-2013-ACL-6 : Bony, S., G. Bellon, D. Klocke, S. Sherwood, S. Fermapin, and S. Denvil, 2013: Robust direct effect of carbon dioxide on tropical atmospheric circulation and regional precipitation. *Nature Geoscience*, Volume: 6, Issue: 6, Pages: 447-451, DOI: 10.1038/NGEO1799, Published: JUN 2013.

GMGEC-2013-ACL-7 : Bopp, L., L. Resplandy, J.C. Orr, S.C. Doney, J.P. Dunne, M. Gehlen, P. Halloran, C. Heinze, T. Ilyina, R. Séférian, J. Tjiputra, and M. Vichi, 2013: Multiple stressors of ocean ecosystems in the 21st century: projections with CMIP5 models. *Biogeosciences*, Volume : 10, Issue : 10, Pages : 6225–6245, DOI :10.5194/bg-10-6225-2013, Published : OCT 2013.

GMGEC-2013-ACL-8 : Bowman, K. W., D. T. Shindell, H. M. Worden, J.-F. Lamarque, P. J. Young, D. S. Stevenson, Z. Qu, M. de la Torre, D. Bergmann, P. J. Cameron-Smith, W. J. Collins, R. Doherty, S. B. Dalsøren, G. Faluvegi, G. Folberth, L. W. Horowitz, B. Josse, Y.H. Lee, I. A. MacKenzie, G. Myhre, T. Nagashima, V. Naik, D. A. Plummer, S. T. Rumbold, R. B. Skeie, S. A. Strode, K. Sudo, S. Szopa, A. Voulgarakis, G. Zeng, S. S. Kulawik, A. M. Aghedo, and J. R. Worden, 2013 : Evaluation of ACCMIP outgoing longwave radiation from tropospheric ozone using TES satellite observations. *Atmospheric Chemistry and Physics*, Volume: 13, Pages : 4057-4072, DOI :10.5194/acp-13-4057-2013, Published: AVR 2013.

GMGEC-2013-ACL-9 : Cattiaux, J., H. Douville, and Y. Peings, 2013 : European temperatures in CMIP5: origins of present-day biases and future uncertainties. *Climate Dynamics*, Volume: 41, Issue: 11-12, Pages: 2889-2907, DOI: 10.1007/s00382-013-1731-y, Published: DEC 2013.

GMGEC-2013-ACL-10 : Cattiaux, J., H. Douville, A. Ribes, F. Chauvin and C. Plante, 2013 : Towards a better understanding of changes in wintertime cold extremes over Europe: A pilot study with CNRM & IPSL atmospheric models. *Climate Dynamics*, Volume: 40, Issue: 9-10, Pages: 2433-2445, DOI: 10.1007/s00382-012-1436-7, Published: MAY 2013.

GMGEC-2013-ACL-11 : Chevallier, M., D. Salas y Méliá, A. Voltaire, M. Déqué and G. Garric, 2013 : Seasonal Forecasts of the Pan-Arctic Sea Ice Extent Using a GCMBased Seasonal Prediction System, *Journal of Climate*, Volume: 26, Issue: 16, Pages: 6092-6104, DOI: 10.1175/JCLI-D-12-00612.1, Published: AUG 2013.

GMGEC-2013-ACL-12 : Doblas-Reyes F.J., I. Andreu-Burillo, Y. Chikamoto, J. García-Serrano, V. Guemas, M. Kimoto, T. Mochizuki, L.R.L. Rodrigues and G.J. Van Oldenborgh, 2013 : Initialized near-term regional climate change prediction. *Nature Communications*, Volume : 4, Article number : 1715, DOI : 10.1038/ncomms2704, Published: APR 2013.

GMGEC-2013-ACL-13 : Douville, H., A. Ribes, B. Decharme, R. Alkama, and J. Sheffield, 2013: Anthropogenic influence on multidecadal changes in reconstructed global evapotranspiration, *Nature Climate Change*, Volume: 3 Issue: 1 Pages: 59-62 DOI: 10.1038/NCLIMATE1632 Published: JAN 2013.

GMGEC-2013-ACL-14 : Durrieu de Madron X., L. Houpert, A. Sanchez-Vidal, P. Puig, P. Testor, C. Estournel, S. Somot, F. Bourrin, M. Canals, A. Palanques, L. Mortier, M. N. Bouin, S. Heussner, A. Calafat, J. Martin, J. Font, S. Kunesch and P. Raimbault, 2013 : Interaction of deep dense shelf water cascading and open-sea convection in the Northwestern Mediterranean in winter 2012. *Geophysical Research Letters*, Volume: 40, Issue: 7, DOI: 10.1002/grl.50331, Published: APR 16 2013.

GMGEC-2013-ACL-15 : Duvel, J.-P., H. Bellenger, G. Bellon, and M. Remaud, 2012: An event-by-event assessment of tropical intraseasonal perturbations for general circulation models, *Climate Dynamics*, Volume: 40, Issue: 3-4, Pages: 857-873, DOI: 10.1007/s00382-012-1303-6. Published: FEB 2013.

GMGEC-2013-ACL-16 : Edeline, E., G. Lacroix, C. Delire, N. Poulet and S. Legendre, 2013 : Ecological emergence of thermal clines in body size, *Global Change Biology*, Volume: 19, Issue: 10, Pages: 3062-3068, DOI: 10.1111/gcb.12299, Published: OCT 2013.

GMGEC-2013-ACL-17 : Eyring, V., I. Cionni, J. M. Arblaster, J. Sedlacek, J. Perlwitz, P. J. Young, S. Bekki, D. Bergmann, P. Cameron-Smith, W. J. Collins, G. Faluvegi, K.-D. Gottschaldt, L. W. Horowitz, D. E. Kinnison, J.-F. Lamarque, D. R. Marsh, D. Saint-Martin, D. T. Shindell, K. Sudo, S. Szopa, and S. Watanabe, 2013: Long-term changes in tropospheric and stratospheric ozone and associated climate impacts in CMIP5 simulations, *Journal of Geophysical Research*, Volume: 118, Issue: 10, Pages: 5029-5060, DOI: 10.1002/jgrd.50316, Published: MAY 27 2013.

GMGEC-2013-ACL-18 : Geoffroy, O., D. Saint-Martin, D. J. L. Olivié, A. Voltaire, G. Bellon, and S. Tytéca, 2013 : Transient climate response in a two-layer energy-balance model. Part I: analytical solution and parameter calibration using CMIP5 AOGCM experiments. *Journal of Climate*, Volume : 26, Pages :1841–1857, DOI:10.1175/JCLI-D-12-00195.1, Published : MAR 2013.

GMGEC-2013-ACL-19 : Geoffroy, O., D. Saint-Martin, G. Bellon, A. Voltaire, D. J. L. Olivié, and S. Tytéca, 2013 : Transient climate response in a two-layer energy-balance model. Part II: representation of the efficacy of deep-ocean heat uptake and validation for CMIP5 AOGCMs. *Journal of Climate*, Volume : 26, Pages :1859–1876, DOI: 10.1175/JCLI-D-12-00196.1, Published : MAR 2013.

GMGEC-2013-ACL-20 : Giordani, H., G. Caniaux, and A. Voltaire, 2013 : Intraseasonal mixed layer heat budget in the equatorial Atlantic during the cold tongue development in 2006. *Journal of Geophysical Research-Oceans*, Volume: 118, Issue: 2, Pages: 650-671, DOI: 10.1029/2012JC008280, Published: FEB 2013.

GMGEC-2013-ACL-21 : Goddéris, Y., S.L. Brantley, L.M. François, J. Schott, D. Pollard, M. Déqué, and M. Dury., 2013: Rates of consumption of atmospheric CO₂ through the weathering of loess during the next 100 years of climate change. *Biogeosciences*, Volume: 10, Issue: 1, Pages: 135-148, DOI: 10.5194/bg-10-135-2013, Published: JAN 2013.

GMGEC-2013-ACL-22 : Gualdi, S, S. Somot, L. Li, V. Artale, M. Adani, A. Bellucci, A. Braun, S. Calmanti, A. Carillo, A. Dell'Aquila, M. Deque, C. Dubois, A. Elizalde, A. Harzallah, D. Jacob, B. L'Heveder, W. May, P. Oddo, P. Ruti, A. Sanna, G. Sannino, E. Scoccimarro, F. Sevault, F., and A. Navarra, 2013 : The CIRCE Simulations, Regional Climate Change Projections with Realistic Representation of the Mediterranean Sea. Bulletin of the American Meteorological Society, Volume: 94, Issue: 1, Pages: 65-81, DOI: 10.1175/BAMS-D-11-00136.1, Published: JAN 2013.

GMGEC-2013-ACL-23 : Guemas V., F. J. Doblas-Reyes, I. Andreu-Burillo, and M. Asif, 2013: Retrospective prediction of the global warming slowdown in the past decade. Nature Climate Change, Volume: 3, Issue: 7, Pages: 649-653, DOI: 10.1038/NCLIMATE1863, Published: JUL 2013.

GMGEC-2013-ACL-24 : Guemas V., D. Salas-Melia, M. Kageyama, H. Giordani and A. Voldoire, 2013 : Impact of the ocean diurnal cycle on the North Atlantic mean Sea Surface Temperatures in a regionally coupled model. Dynamics of Atmospheres and Oceans, Volume : 60, Pages 28–45, DOI : 10.1016/j.dynatmoce.2013.01.001, Published: MAR 2013.

GMGEC-2013-ACL-25: Hall, N.M.J., H. Douville, and L. Li, 2013: Extratropical summertime response to tropical interannual variability in an idealized GCM. Journal of Climate, 26, 7060-7079, Volume: 26, Issue: 18, Pages: 7060-7079, DOI: 10.1175/JCLI-D-12-00461.1, Published: SEP 2013.

GMGEC-2013-ACL-26 : Hazeleger, W., V. Guemas, B. Wouters, S. Corti, I. Andreu-Burillo, F. Doblas-Reyes, K. Wyser and M. Caian, 2013 : Multiyear climate predictions using two initialisation strategies. Geophysical Research Letters, Volume : 40, Issue : 9, Pages 1794–1798, DOI :10.1002/grl.50355, Published : May 2013.

GMGEC-2013-ACL-27 : Hossaini, R. H. Mantle, M. P. Chipperfield, S. A. Montzka, P. Hamer, F. Ziska, B. Quack, K. Kruger, S. Tegtmeier, E. Atlas, S. Sala, A. Engel, H. Bonisch, T. Keber, D. Oram, G. Mills, C. Ordonez, A. Saiz-Lopez, N. Warwick, Q. Liang, W. Feng, F. Moore, B. R. Miller, V. Marécal, N. A. D. Richards, M. Dorf, and K. Pfeilsticker, 2013: Evaluating global emission inventories of biogenic bromocarbons, Atmospheric Chemistry and Physics, Volume :13, Pages : 12485-12539, DOI : 10.5194/acp-13-11819-2013, Published : DEC 2013

GMGEC-2013-ACL-28 : Hourdin, F., J.-Y. Grandpeix, C. Rio, S. Bony, A. Jam, F. Chéruy, N. Rochetin, L. Fairhead, A. Idelkadi, I. Musat, J.-L. Dufresne, M.-P. Lefebvre, A. Lahellec, and R. Roehrig, 2013 : LMDZ5B: the atmospheric component of the IPSL climate model with revisited parameterizations for clouds and convection. Climate Dynamics, Volume : 40, Issue : 9-10, Pages 2193–2222, DOI : 10.1007/s00382-012-1343-y, Published: MAY 2013.

GMGEC-2013-ACL-29 : Huszar, P., H. Teyssède, D. Cariolle, D. J. L. Olivié, M. Michou, D. Saint-Martin, S. Senesi, A. Voldoire, D. Salas, A. Alias, F. Karcher, P. Ricaud, and T. Halenka, 2013 : Modeling the present and future impact of aviation on climate: an AOGCM approach with online coupled chemistry, Atmospheric Chemistry and Physics, Volume : 13, Pages: 10027-10048, DOI :10.5194/acp-13-10027-2013, Published: NOV 2013.

GMGEC-2013-ACL-30 : Joetzjer, E., H. Douville, and C. Delire, 2013 : Present-day and future Amazonian precipitation in global climate models: CMIP5 versus CMIP3. Climate Dynamics, Volume: 41, Issue: 11-12, Pages: 2921-2936, DOI: 10.1007/s00382-012-1644-1, Published: DEC 2013.

GMGEC-2013-ACL-31 : Lamarque, J.-F., D. T. Shindell, B. Josse, P. J. Young, I. Cionni, V. Eyring, D. Bergmann, P. Cameron-Smith, W. J. Collins, R. Doherty, S. Dalsoren, G. Faluvegi, G. Folberth, S. J. Ghan, L. W. Horowitz, Y. H. Lee, I. A. MacKenzie, T. Nagashima, V. Naik, D. Plummer, M. Righi, S. T. Rumbold, M. Schulz, R. B. Skeie, D. S. Stevenson, S. Strode, K. Sudo, S. Szopa, A. Voulgarakis, and G. Zeng : The Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP): overview and description of models, simulations and climate diagnostics. Geoscientific Model Development, Volume : 6, Issue : 1, Pages : 179-206, DOI:10.5194/gmd-6-179-2013. Published : 2013.

GMGEC-2013-ACL-32 : Lamarque, J.-F., F. Dentener, J. McConnell, C.-U. Ro, M. Shaw, R. Vet, D. Bergmann, P. Cameron-Smith, S. Dalsoren, R. Doherty, G. Faluvegi, S. J. Ghan, B. Josse, Y. Lee, I. A. MacKenzie, D. Plummer, D. T. Shindell, R. B. Skeie, D. S. Stevenson, S. Strode, G. Zeng, M. Curran, D. Dahl-Jensen, S. Das, D. Fritzsche, D., and M. Nolan, 2013 : Multi-model mean nitrogen and sulfur deposition from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP): evaluation of historical and projected future changes. Geoscientific Model Development, Volume : 13, Issue : 16, Pages : 7997-8018, Doi : 10.5194/acp-13-7997-2013. Published : 2013.

GMGEC-2013-ACL-33 : Lefèvre, N., G. Caniaux, S. Janicot, and A.K. Gueye, 2013 : Increased CO₂ outgassing in February-May 2010 in the tropical Atlantic following the 2009 Pacific El Niño. Journal of Geophysical Research, Volume: 118, Issue: 4, Pages: 1645-1657, DOI: 10.1002/jgrc.20107, Published: APR 2013.

GMGEC-2013-ACL-34 : L'Heveder B., L. Li, F. Sevault and S. Somot, 2013 : Interannual variability of deep convection in the Northwestern Mediterranean simulated with a coupled AORCM. Climate Dynamics, Volume : 41, Pages : 937-960, Doi: 10.1007/s00382-012-1527-5. Published: AUG 2013.

GMGEC-2013-ACL-35 : Longo, K. M., S. R. Freitas, M. Pirre, V. Marécal, L. F. Rodrigues, J. Panetta, M. F. Alonso, N. E. Rosário, D. S. Moreira, M. S. Gácita, J. Arteta, R. Fonseca, R. Stockler, D. M. Katsurayama, A. Fazenda, M. Bela, 2013: The Chemistry CATT-BRAMS model (CCATT-BRAMS 4.5): a regional atmospheric model system for integrated air quality and weather forecasting and research, Geoscientific Model Development, Volume: 6, Issue: 5, Pages: 1389-1405, DOI: 10.5194/gmd-6-1389-2013, Published: 2013.

GMGEC-2013-ACL-36 : Lucas-Picher, P., S. Somot, M. Déqué, B. Decharme, and A. Alias, 2013 : Evaluation of the regional climate model ALADIN to simulate the climate over North America in the CORDEX framework. Climate Dynamics, Volume: 41, Issue: 5-6, Pages: 1117-1137, DOI: 10.1007/s00382-012-1613-8, Published: SEP 2013.

GMGEC-2013-ACL-37 : 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. Atmospheric Chemistry and Physics, Volume : 13, Issue : 18, Pages : 9195-9210, Doi : 10.5194/acp-13-9195-2013. Published : 2013.

GMGEC-2013-ACL-38 : Mignot, J., D. Swingedouw, J. Deshayes, O. Marti, C. Talandier, C., R. Séférian, M. Lengaigne, and G. Madec, 2013 : On the evolution of the oceanic component of the IPSL climate models from CMIP3 to CMIP5: A mean state comparison. Ocean Modelling, Volume : 72, Pages : 167-184, DOI : 10.1016/j.ocemod.2013.09.001, Published: DEC 2013.

GMGEC-2013-ACL-39 : Nabat, P., S. Somot, M. Mallet, I. Chiapello, J.-J. Morcrette, F. Solmon, S. Szopa, F. Dulac, W. Collins, S. Ghan, L.W. Horowitz, J.-F. Lamarque, Y.H. Lee, V. Naik, T. Nagashima, D. Shindell, and R. Skeie, 2013: A 4-D climatology (1979–2009) of the monthly tropospheric aerosol optical depth distribution over the Mediterranean region from a comparative evaluation and blending of remote sensing and model products. Atmospheric Measurement Techniques, Volume: 6, Pages: 1287-1314, DOI:10.5194/amt-6-1287-2013, Published: MAY 2013.

GMGEC-2013-ACL-40 : Naik, V., A. Voulgarakis, A. M. Fiore, L. W. Horowitz, J.-F. Lamarque, M. Lin, M. J. Prather, P. J. Young, D. Bergmann, P. J. Cameron-Smith, I. Cionni, W. J. Collins, S. B. Dalsøren, R. Doherty, V. Eyring, G. Faluvegi, G. A. Folberth, B. Josse, Y. H. Lee, I. A. MacKenzie, T. Nagashima, T. P. C. van Noije, D. A. Plummer, M. Righi, S. T. Rumbold, R. Skeie, D. T. Shindell, D. S. Stevenson, S. Strode, K. Sudo, S. Szopa, and G. Zeng, 2013 : Preindustrial to present-day changes in tropospheric hydroxyl radical and methane lifetime from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). Atmospheric Chemistry and Physics, Volume : 13, Issue : 10, Pages : 5277-5298, Doi : 10.5194/acp-13-5277-2013. Published : MAY 2013.

GMGEC-2013-ACL-41 : Oueslati, B., and G. Bellon, 2013: Convective entrainment and large-scale organization of tropical precipitation: sensitivity of the CNRM-CM5 hierarchy of models. Journal of Climate, Volume : 26, Pages: 2931–2946, DOI: 10.1175/JCLI-D-12-00314.1, Published : MAY 2013

GMGEC-2013-ACL-42 : Oueslati, B., and G. Bellon, 2013: Tropical precipitation regimes and mechanisms of regime transitions: contrasting two aquaplanet general circulation models, Climate Dynamics, Volume : 40, Issue : 9-10, Pages 2345–2358, DOI : 10.1007/s00382-012-1344-x, Published: MAY 2013.

GMGEC-2013-ACL-43 : Peings, Y., E. Brun, V. Mauvais, and H. Douville, 2013 : How stationary is the relationship between Siberian snow and Arctic Oscillation over the 20th century ? Geophysical Research Letter, Volume : 20, Issue : 1, Pages: 183-188, DOI :10.1029/2012GL054083, Published : 16 JAN 2013.

GMGEC-2013-ACL-44 : Peings, Y., J. Cattiaux, and H. Douville, 2013 : Evaluation and response of cold spells over Western Europe in CMIP5 models. Climate Dynamics, Volume : 41, Issue: 11-12, Pages: 3025-3037, DOI : 10.1007/s00382-012-1565-z , Published : DEC 2013.

GMGEC-2013-ACL-45 : Piazza, M., J. Boé, L. Terray, C. Pagé, E. Sanchez-Gomez, and M. Déqué, 2013 : Projected 21st century snowfall changes over the French Alps and related uncertainties. Climatic Change, Volume : 122, Pages : 583-594, DOI : 10.1007/s10584-013-1017-8

GMGEC-2013-ACL-46 : Plu M., 2013 : A variational formulation for translation and assimilation of coherent structures, Nonlinear Processes in Geophysics, Volume : 20, Issue : 5, Pages : 793-801, Doi : 10.5194/npg-20-793-2013. Published : 2013.

GMGEC-2013-ACL-47 : Quiquet, A., C. Ritz, H. J. Punge, and D. Salas y Méliá, 2013: Greenland ice sheet contribution to sea level rise during the last interglacial period: a modelling study driven and constrained by ice core data. Climate of the Past, Volume: 9, Issue: 1, Pages: 353-366, DOI: 10.5194/cp-9-353-2013, Published: 2013.

GMGEC-2013-ACL-48 : Ribes, A., S. Planton, and L. Terray, 2013: Application of regularised optimal fingerprinting to attribution. Part I: 1 method, properties and idealised analysis. Climate Dynamics, Volume: 41, Issue: 11-12, Pages: 2817-2836, DOI: 10.1007/s00382-013-1735-7, Published: DEC 2013.

GMGEC-2013-ACL-49 : Ribes, A., and L. Terray, 2013: Application of regularised optimal fingerprinting to attribution. Part II: application to global near-surface temperature based on CMIP5 simulations. Climate Dynamics, Volume: 41, Issue: 11-12, Pages: 2837-2853, DOI: 10.1007/s00382-013-1735-7, Published: DEC 2013.

GMGEC-2013-ACL-50 : Ricaud, P., F. Carminati, J.-L. Attié, Y. Courcoux, T. Rose, C. Genthon, A. Pellegrini, P. Tremblin, and T. August, 2013 : Quality Assessment of the First Measurements of Tropospheric Water Vapor and Temperature by the HAMSTRAD Radiometer over Concordia Station, Antarctica, IEEE Transactions on Geoscience and Remote Sensing, Volume: 51, Issue: 6, Pages: 3217-3239, DOI: 10.1109/TGRS.2012.2225627, Published: JUN 2013.

GMGEC-2013-ACL-51 : Séférián, R., L. Bopp, M. Gehlen, J. Orr, C. Ethé, P. Cadule, O. Aumont, D. Salas y Méliá, A. Voldoire, and G. Madec, 2013 : Skill assessment of three earth system models with common marine biogeochemistry. Climate Dynamics, Volume: 40, Issue: 9-10, Special Issue: SI, Pages: 2549-2573, DOI: 10.1007/s00382-012-1362-8, Published: MAY 2013.

GMGEC-2013-ACL-52 : Séférián, R., L. Bopp, D. Swingedouw, and J. Servonnat, 2013 : Dynamical and biogeochemical control on the decadal variability of ocean carbon fluxes. Earth System Dynamics, Volume 4, Issue : 1, Pages : 109–127, DOI : 10.5194/esd-4-109-2013, Published : APR 2013.

GMGEC-2013-ACL-53 : Silva, R. A., J. J. West, Y. Zhang, S. C. Anenberg, J.-F. Lamarque, D. T. Shindell, W. J. Collins, S. Dalsoren, G. Faluvegi, G. Folberth, L. W. Horowitz, T. Nagashima, V. Naik, S. Rumbold, R. Skeie, K. Sudo, T. Takemura, D. Bergmann, P. Cameron-Smith, I. Cionni, R. M. Doherty, V. Eyring, B. Josse, I. A. MacKenzie, D. Plummer, M. Righi, D. S. Stevenson, S. Strode, S. Szopa and G. Zeng, 2013: Global premature mortality due to anthropogenic outdoor air pollution and the contribution of past climate change. *Environmental Research Letters*, 8 034005, DOI:10.1088/1748-9326/8/3/034005, Published: JUL-SEP 2013.

GMGEC-2013-ACL-54 : Stevenson, D. S., P. J. Young, V. Naik, J.-F. Lamarque, D. T. Shindell, A. Voulgarakis, R. B. Skeie, S. B. Dalsoren, G. Myhre, T. K. Berntsen, G. Folberth, S.T. Rumbold, W.J. Collins, I.A. MacKenzie, R. M. Doherty, G. Zeng, T. P. C Van Noije, A. Strunk, D. Bergmann, P. Cameron-Smith, D. A. Plummer, S. A. Strode, L. Horowitz, Y.H. Lee, S. Szopa, K. Sudo, T. Nagashima, B. Josse, I. Cionni, M. Righi, V. Eyring, A. Conley, K. W. Bowman, O. Wild, and A. Archibald, 2013 : Tropospheric ozone changes, radiative forcing and attribution to emissions in the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). *Atmospheric Chemistry and Physics*, Volume: 13, Pages : 3063-3085, DOI : 10.5194/acp-13-3063-2013, Published: MAR 2013.

GMGEC-2013-ACL-55 : Tomassini L, O. Geoffroy, J.-L. Dufresne, A. Idelkadi, C. Cagnazzo, K. Block, T. Mauritsen, M. Giorgetta, J. Quaas, 2013 : The respective roles of surface temperature driven feedbacks and tropospheric adjustment to CO₂ in CMIP5 transient climate simulations. *Climate Dynamics*, Volume: 41, Issue: 11-12, Pages: 3103-3126, DOI: 10.1007/s00382-013-1682-3, Published: DEC 2013.

GMGEC-2013-ACL-56 : Tramblay, Y., D. Ruelland, S. Somot, R. Bouaicha, and E. Servat, 2013 : High-resolution Med-CORDEX regional climate model simulations for hydrological impact studies: a first evaluation of the ALADIN-Climate model in Morocco. *Hydrology and Earth System Science*, Volume : 17, Pages : 3721-3739, DOI : 10.5194/hess-17-3721-2013, Published: OCT 2013.

GMGEC-2013-ACL-57 : Vautard, R., A. Gobiet, D. Jacob, M. Belda, A. Colette, M. Déqué, J. Fernandez, M. Garcia-Diez, K. Goergen, I. Guttler, T. Halenka, T. Karakostas, E. Katragkou, K. Keuler, S. Kotlarski, S. Mayer, G. Nikulin, M. Patarcic, J. Scinocca, S. Sobolowski, M. Suklitsch, C. Teichmann, E. van Meijgaard, K. Warrach-Sagi, V. Wulfmeyer, and P. Yiou, P., 2013 : The simulation of European heat waves from an ensemble of regional climate models within the EURO-Cordex project. *Climate Dynamics*, Volume: 41, Issue: 9-10, Pages: 2555-2575, DOI: 10.1007/s00382-013-1714-z, Published: NOV 2013.

GMGEC-2013-ACL-58 : Vervatis, V. D., S. S. Sofianos, N. Skliris, S. Somot, A. Lascaratos, and M. Rixen, 2013 : Mechanisms controlling the thermohaline circulation pattern variability in the Aegean-Levantine region. A hindcast simulation (1960-2000) with an eddy resolving model. *Deep-Sea Research Part I-Oceanographic Research Papers*, Volume: 74, Pages : 82-97, Doi : 10.1016/j.dsr.2012.12.011. Published : APR 2013.

GMGEC-2013-ACL-59 : Voltaire, A., E. Sanchez-Gomez, D. Salas y Mélia, B. Decharme, C. Cassou, S. Sénési, S. Valcke, I. Beau, A. Alias, M. Chevallier, M. Déqué, J. Deshayes, H. Douville, E. Fernandez, G. Madec, E. Maissonnave , M.-P. Moine, S. Planton, D. Saint-Martin, S. Szopa, S. Tyteca, R. Alkama, S. Belamari, A. Braun, L. Coquart, F. Chauvin, 2013 : The CNRM-CM5.1 global climate model: description and basic evaluation. *Climate Dynamic*, Volume: 40, Issue: 9-10, Special Issue: SI, Pages: 2091-2121, DOI: 10.1007/s00382-011-1259-y, Published: MAY 2013.

GMGEC-2013-ACL-60 : Volpi, D., F. J. Doblas-Reyes, J. García-Serrano, and V. Guemas, 2013 : Dependence of the climate prediction skill on spatio-temporal scales : internal versus radiatively-forced contribution. *Geophysical Research Letters*, Volume: 40, Issue: 12, Pages: 3213-3219, DOI: 10.1002/grl.50557, Published: JUN 28 2013.

GMGEC-2013-ACL-61 : Voulgarakis, A., V. Naik, J.-F. Lamarque, D. T. Shindell, P. J. Young, M. J. Prather, O. Wild, R. D. Field, D. Bergmann, P. Cameron-Smith, I. Cionni, W. J. Collins, S. B. Dalsøren, R. M. Doherty, V. Eyring, G. Faluvegi, G. A. Folberth, L. W. Horowitz, B. Josse, I. A. MacKenzie, T. Nagashima, D. A. Plummer, M. Righi, S. T. Rumbold, D. S. Stevenson, S. A. Strode, K. Sudo, S. Szopa, and G. Zeng, 2013 : Analysis of present day and future OH and methane lifetime in the ACCMIP simulations. *Atmospheric Chemistry and Physics*, Volume : 13, Pages : 2563-2587, DOI : 10.5194/acp-13-2563-2013, Published : MAR 2013.

GMGEC-2013-ACL-62 : Warner J., F. Carminati, Z. Wei, W. Lahoz, and J.-L. Attié : 2013: Tropospheric carbon monoxide variability from AIRS under clear and cloudy conditions. Atmospheric Chemistry and Physics, Volume : 13, Issue : 24, Pages : 12469-12479, DOI: 10.5194/acp-13-12469-2013.

GMGEC-2013-ACL-63 : Williams K. D. , A. Bodas-Salcedo, M. Déqué, S. Fermepin, B. Medeiros, M. Watanabe, C. Jakob, S. A. Klein, C. A. Senior, and D. L. Williamson, 2013 : The Transpose-AMIP II Experiment and Its Application to the Understanding of Southern Ocean Cloud Biases in Climate Models. Journal of Climate, Volume : 26, Issue : 10, Pages : 3258-3274, DOI : 10.1175/JCLI-D-12-00429.1, Published : MAY 2013.

GMGEC-2013-ACL-64 : Wouters, B., W. Hazeleger, S. Drijfhout, G. J. van Oldenborgh, and V. Guemas, 2013: Multiyear predictability of the North Atlantic subpolar gyre. Geophysical Research Letters, Volume: 40, Issue: 12, Pages: 3080-3084, DOI: 10.1002/grl.50585, Published: JUN 28 2013.

GMGEC-2013-ACL-65 : Young, P. J., A. T. Archibald, K. W. Bowman, J. F. Lamarque, V. Naik, D. S. Stevenson, S. Tilmes, A. Voulgarakis, O. Wild, D. Bergmann, P. Cameron-Smith, I. Cionni, W. J. Collins, S. B. Dalsøren, R. M. Doherty, V. Eyring, G. Faluvegi, L. W. Horowitz, B. Josse, Y. H. Lee, I. A. MacKenzie, T. Nagashima, D. A. Plummer, M. Righi, S. T. Rumbold, R. B. Skeie, D. T. Shindell, S. A. Strode, K. Sudo, S. Szopa, and G. Zeng, 2013 : Pre-industrial to end 21st century projections of tropospheric ozone from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). Atmospheric Chemistry and Physics, Volume : 13, Issue : 4, Pages : 2063-2090, Doi : 10.5194/acp-13-2063-2013. Published : 2013.

GMGEC-2013-ACL-66 : Zbinden, R. M., V. Thouret, P. Ricaud, F. Carminati, J.-P. Cammas, and P. Nédélec, 2013 : Climatology of pure tropospheric profiles and column contents of ozone and carbon monoxide using MOZAIC in the mid-northern latitudes (24° N to 50° N) from 1994 to 2009, Atmospheric Chemistry and Physics, Volume : 13, Pages : 12363-12388, DOI : 10.5194/acp-13-12363-2013, Published: DEC 2013.

GMME

GMME-2013-ACL-1 : Aumond P., V. Masson, C. Lac, B. Gauvreau, S. Dupont, 2012 : "Including Drag Effects of Canopies : Real Case Large-Eddy Simulation Studies", Boundary Layer Meteorology, Volume: 146, Issue: 1, Pages: 65-80, DOI: 10.1007/s10546-012-9758-x. Published: JAN 2013.

GMME-ACL-2013-2 : Bergot, T., 2013 : Small-scale structure of radiation fog: a large-eddy simulation study. QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, Volume: 139, Issue: 673, Special Issue: SI, Pages: 1099-1112, Part: B, Doi : 10.1002/qj.2051. Published : APR 2013.

GMME-2013- ACL-3 : Boussetta, S., G. Balsamo, A. Beljaars, A.-A. Panareda, J.-C. Calvet, C. Jacobs, B. van den Hurk, P. Viterbo, S. Lafont, E. Dutra, L. Jarlan, M. Balzarolo, D. Papale, and G. can der Werf: Natural land carbon dioxide exchanges in the ECMWF integrated forecasting system: Implementation and offline validation, JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES Volume: 118 Issue: 12 Pages: 5923-5946, Doi:10.1002/jgrd.50488. Published: JUN 27 2013.

GMME-2013-ACL-4 : Bueno B., Hidalgo J., Pigeon G., Norford L. and Masson V. (2012): Calculation of Air Temperatures above the Urban Canopy Layer from Measurements at a Rural Operational Weather Station. Journal of Applied Meteorology and Climatology. Volume: 52, Issue: 2, Pages: 472-483, DOI: 10.1175/JAMC-D-12-083.1. Published: FEB 2013.

GMME-2013-ACL-5 : Caumont, O., Foray, A, Besson, L, du Chatelet, JP, 2013: An Observation Operator for Radar Refractivity Change: Comparison of Observations and Convective-Scale Simulations 27/01/2014 BOUNDARY-LAYER METEOROLOGY, Volume: 148, Issue: 2, Pages: 379-397, Doi : 10.1007/s10546-013-9820-3. Published: AUG 2013.

GMME-2013-ACL-6 : Chauveau, M Chazot, S Perrin, C Bourgin, PY Sauquet, E Vidal, JP Rouchy, N Martin, E David, J Norotte, T Maugis, P de Lacaze, X, 2013 : What will be the impacts of climate change on surface hydrology in France by 2070? HUILLE BLANCHE-REVUE INTERNATIONALE DE L EAU Issue: 4 Pages: 5-15 Published: AUG 2013

- GMME-2013-ACL-7** : De Munck C. A. Lemonsu, R. Bouzouidja, V. Masson, R. Claverie, 2013 : "The GREENROOF module (v7.3) for modelling green roof hydrological and energetic performances within TEB", GEOSCIENTIFIC MODEL DEVELOPMENT, Volume: 6, Issue: 6, Pages: 1941-1960, Doi : 10.5194/gmd-6-1941-2013. Published: 2013.
- GMME-2013-ACL-8** : De Munck C., Pigeon G., Masson V., Meunier F., Bousquet P., Tréméac B., Merchat M., Poeuf P., Marchadier C. 2012. How much can air conditioning increase air temperatures for a city like Paris, France ? INTERNATIONAL JOURNAL OF CLIMATOLOGY, Volume: 33, Issue: 1, Pages: 210-227, DOI: 10.1002/joc.3415, Published: JAN 2013.
- GMME-2013-ACL-9** : De Rooy, WC Bechtold, P Frohlich, K Hohenegger, C Jonker, H Mironov, D Siebesma, AP Teixeira, J Yano, JI, 2013 : Entrainment and detrainment in cumulus convection: an overview. QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, Volume: 139, Issue: 670, Pages: 1-19, Part: A, Doi: 10.1002/qj.1959. Published: JAN 2013.
- GMME-2013-ACL-10** : Demuzere, M., Oleson, Keith ; Coutts, Andrew M. ; Pigeon, Gregoire ; van Lipzig, Nicole P. M. Simulating the surface energy balance over two contrasting urban environments using the Community Land Model Urban International. INTERNATIONAL JOURNAL OF CLIMATOLOGY, Volume: 33, Issue: 15, Pages: 3182-3205, Doi : 10.1002/joc.3656. Published: DEC 2013.
- GMME-2013-ACL-11** : Ducrocq, V. Drobinski, P. Lambert, D. Molinie, G. Llasat, C., 2013 : Preface: Forecast and projection in climate scenario of Mediterranean intense events: uncertainties and propagation on environment (the MEDUP project). NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, Volume: 13, Issue: 11, Pages: 3043-3047, Doi : 10.5194/nhess-13-3043-2013. Published: 2013.
- GMME-2013-ACL-12** : Duffourg, F. and Ducrocq, V. (2013), Assessment of the water supply to Mediterranean heavy precipitation: a method based on finely designed water budgets. Atmosph. Sci. Lett., 14: 133–138. doi: 10.1002/asl2.429
- GMME-2013-ACL-13** : Dumas, P.; Hallegatte, S.; Quintana-Segui, P. & Martin, E. The influence of climate change on flood risks in France - first estimates and uncertainty analysis. NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, Volume: 13, Issue: 3, Pages: 809-821, Doi : 10.5194/nhess-13-809-2013. Published: 2013.
- GMME-2013-ACL-14** : Faroux, S., Kaptué Tchuenté, A. T., Roujean, J.-L., Masson, V., Martin, E., and Le Moigne, P.: ECOCLIMAP-II/Europe: a twofold database of ecosystems and surface parameters at 1 km resolution based on satellite information for use in land surface, meteorological and climate models. GEOSCIENTIFIC MODEL DEVELOPMENT, Volume: 6, Issue: 2, Pages: 563-582, Doi:10.5194/gmd-6-563-2013 Published: 2013.
- GMME-2013-ACL-15** : Flaounas, E., Drobinski, P. Vrac, M. Bastin, S. Lebeaupin-Brossier, C. Stefanon, M. Borga, M. Calvet, JC, 2013: Precipitation and temperature space-time variability and extremes in the Mediterranean region: evaluation of dynamical and statistical downscaling method. CLIMATE DYNAMICS, Volume: 40, Issue: 11-12, Pages: 2687-2705, Doi : 10.1007/s00382-012-1558-y Published: JUN 2013.
- GMME-2013-ACL-16** : Getirana, ACV Boone, A Yamazaki, D Mognard, N, 2013 : Automatic parameterization of a flow routing scheme driven by radar altimetry data: Evaluation in the Amazon basin. WATER RESOURCES RESEARCH, Volume: 49, Issue: 1, Pages: 614-629, Doi : 10.1002/wrcr.20077. Published: JAN 2013
- GMME-2013-ACL-17** : Govind, A., D. Guyon, J.L. Roujean, N. Yauschew-Raguenees, J. Kumari, J. Pisek, and J.P. Wigneron, 2013 : Effects of canopy architectural parameterizations on the modeling of radiative transfer mechanism. ECOLOGICAL MODELLING, Volume: 251, Pages: 114-126, Doi : 10.1016/j.ecolmodel.2012.11.014. Published: FEB 24 2013.
- GMME-2013-ACL-18** : Jam, A. Hourdin, F. Rio, C. Couvreur, F., 2013 : Resolved Versus Parametrized Boundary-Layer Plumes. Part III: Derivation of a Statistical Scheme for Cumulus Clouds. BOUNDARY-LAYER METEOROLOGY Volume: 147, Issue: 3, Pages: 421-441, Doi : 10.1007/s10546-012-9789-3. Published: JUN 2013.

GMME-2013- ACL-19 : Kocha, C., P. Tulet, J-P. Lafore and C. Flamant, 2013: The importance of the diurnal cycle of Aerosol Optical Depth in West Africa. *GEOPHYSICAL RESEARCH LETTERS*, Volume: 40, Issue: 4, Pages: 785-790, Doi : 10.1002/grl.50143. Published: FEB 28 2013.

GMME-2013-ACL-20 : Lac, C., Donnelly, RP, Masson, V., Pal, S, Riette, S., Donier, S., Queguiner, S., Tanguy, G., Ammoura, L, Xueref-Remy, I, 2013: CO2 dispersion modelling over Paris region within the CO2-MEGAPARIS project. *ATMOSPHERIC CHEMISTRY AND PHYSICS*, Volume: 13, Issue: 9, Pages: 4941-4961, Doi : 10.5194/acp-13-4941-2013. Published: 2013.

GMME-2013-ACL-21 : Lagouarde, JP Bach, M Sobrino, JA Boulet, G Briottet, X Cherchali, S Coudert, B Dadou, I Dedieu, G Gamet, P Hagolle, O Jacob, F Nerry, F Olios, A Otle, C Roujean, JL Fargant, G, 2013 : The MISTIGRI thermal infrared project: scientific objectives and mission specifications. *INTERNATIONAL JOURNAL OF REMOTE SENSING*, Volume: 34, Issue: 9-10, Special Issue: SI, Pages: 3437-3466, Doi : 10.1080/01431161.2012.716921. Published: MAY 1 2013.

GMME-2013-ACL-22 : Lebeau-pin-Brossier, C., Drobinski, P Beranger, K Bastin, S Orain, F, 2013 : Ocean memory effect on the dynamics of coastal heavy precipitation preceded by a mistral event in the northwestern Mediterranean. *QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY*, Volume: 139, Issue: 675, Pages: 1583-1597, Part: B, Doi : 10.1002/qj.2049. Published: JUL 2013.

GMME-2013- ACL-23 : Lemonsu, A., R. Kounkou-Arnaud, J. Desplat, J.-L. Salagnac, and V. Masson : Evolution of the Parisian urban climate under a global changing climate. *Climatic Change*, Volume: 116, Issue: 3-4, Pages: 679-692, Published: FEB 2013.

GMME-2013-ACL-24 : Meinander, O. , Kazadzis, S., Arola, A., Riihela, A., Raisanen, P., Kivi, R., Kontu, A., Kouznetsov, R., Sofiev, M., Svensson, J., Suokanerva, H., Aaltonen, V., Manninen, T. , Roujean, J. -L. , Hautecoeur, O., 2013 : Spectral albedo of seasonal snow during intensive melt period at Sodankyla, beyond the Arctic Circle. *ATMOSPHERIC CHEMISTRY AND PHYSICS*, Volume: 13, Issue: 7, Pages: 3793-3810, Doi : 10.5194/acp-13-3793-2013. Published: 2013.

GMME-2013-ACL-25 : Pantillon, F., Chaboureau, J-P., Lac, C., Mascart, P., 2013 : On the role of a Rossby wave train during the extratropical transition of hurricane Helene (2006). *QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY*, Volume: 139, Issue: 671, Special Issue: SI, Pages: 370-386, Part: B, Doi : 10.1002/qj.1974. Published: JAN 2013.

GMME-2013- ACL-26 : Pantillon, F., J-P. Chaboureau, P. J. Mascart, and C. Lac, 2013 : Predictability of a Mediterranean Tropical-Like Storm Downstream of the Extratropical Transition of Hurricane Helene (2006). *MONTHLY WEATHER REVIEW*, Volume: 141, Issue: 6, Pages: 1943-1962, Doi : 10.1175/MWR-D-12-00164.1. Published: JUN 2013.

GMME-2013-ACL-27 : Plant, Robert S., J.I. Yano, 2013 : The energy-cycle analysis of the interactions between shallow and deep atmospheric convection. *DYNAMICS OF ATMOSPHERES AND OCEANS*, Volume: 64, Pages: 27-52, Doi : 10.1016/j.dynatmoce.2013.06.001. Published: NOV 2013.

GMME-2013-ACL-28 : Potes, M., Costa, MJ, Salgado, R, Bortoli, D, Serafim, A, Le Moigne, P., 2013 : Spectral measurements of underwater downwelling radiance of inland water bodies. *TELLUS SERIES A-DYNAMIC METEOROLOGY AND OCEANOGRAPHY*, Volume: 65, Article Number: 20774, Doi : 10.3402/tellusa.v65i0.20774. Published: 2013.

GMME-2013-ACL-29 : Ricard, D., Lac, C., Riette, S., Legrand, R., Mary, A., 2013: Kinetic energy spectra characteristics of two convection-permitting limited-area models AROME and Meso-NH. *QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY*, Volume: 139, Issue: 674, Pages: 1327-1341, Part: A, Doi : 10.1002/qj.2025. Published: JUL 2013.

GMME-2014-ACL-30 : Taylor, C. M., C. E. Birch, D. J. Parker, N. Dixon, F. Guichard, G. Nikulin, and G. M. S. Lister (2013), Modeling soil moisture-precipitation feedback in the Sahel: Importance of spatial scale versus convective parameterization. *GEOPHYSICAL RESEARCH LETTERS* Volume: 40 Issue: 23 Pages: 6213-6218, Doi:10.1002/2013GL058511. Published: DEC 16 2013.

GMME-2013-ACL-31 : Trapero, L., Bech, J., Duffourg, F., Esteban, P., Lorente, J., 2013 : Mesoscale numerical analysis of the historical November 1982 heavy precipitation event over Andorra (Eastern Pyrenees). NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, Volume: 13, Issue: 11, Pages: 2969-2990, Doi : 10.5194/nhess-13-2969-2013. Published: 2013

GMME-2013-ACL-32 : Trusilova, K., Barbara Früh, Susanne Brienen, Andreas Walter, Valéry Masson, Grégoire Pigeon, and Paul Becker : Implementation of an Urban Parameterization Scheme into the Regional Climate Model COSMO-CLM. JOURNAL OF APPLIED METEOROLOGY AND CLIMATOLOGY, Volume: 52, Issue: 10, Pages: 2296-2311, Doi : 10.1175/JAMC-D-12-0209.1. Published: OCT 2013.

GMME-2013-ACL-33 : Van Oevelen, PJ, Santanello, JA, Best, M, Boone, A, Van den Hurk, BJJM, 2013 : GEWEX Land-Atmosphere Research: An Outlook. CLIMATE AND LAND SURFACE CHANGES IN HYDROLOGY Book Series: IAHS Publication, Volume: 359, Pages: 215-220, Published: 2013.

GMME-2013-ACL-34 : Vautard, R, Noel, T, Li, L, Vrac, M, Martin, E, Dandin, P, Cattiaux, J, Joussaume, S, 2013 : Climate variability and trends in downscaled high-resolution simulations and projections over Metropolitan France. CLIMATE DYNAMICS, Volume: 41, Issue: 5-6, Pages: 1419-1437, Doi : 10.1007/s00382-012-1621-8. Published: SEP 2013.

GMME-2013-ACL-35 : Yano, JI, Machulskaya, E, Bechtold, P, Plant, RS, 2013 : Bells and whistles of convection parametrization. BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, Volume: 94, Issue: 1, Pages: ES5-ES7, Doi : 10.1175/BAMS-D-12-00118.1. Published: JAN 2013.

CEN

CEN-2013-ACL-1 : Carmagnola, C. M., Domine, F., Dumont, M., Wright, P., Strellis, B., Bergin, M., Dibb, J., Picard, G., Libois, Q., Arnaud, L., and Morin, S.: Snow spectral albedo at Summit, Greenland: measurements and numerical simulations based on physical and chemical properties of the snowpack. CRYOSPHERE, Volume: 7, Issue: 4, Pages: 1139-1160, Doi : 10.5194/tc-7-1139-2013. Published: 2013.

CEN-2013-ACL-2 : Erbland, J., Vicars, W. C., Savarino, J., Morin, S., Frey, M. M., Frosini, D., Vince, E., and Martins, J. M. F.: Air-snow transfer of nitrate on the East Antarctic Plateau – Part 1: Isotopic evidence for a photolytically driven dynamic equilibrium in summer. ATMOSPHERIC CHEMISTRY AND PHYSICS, Volume: 13, Issue: 13, Pages: 6403-6419, Doi : 10.5194/acp-13-6403-2013. Published: 2013.

CEN-2013-ACL-3 : Essery, R., S. Morin, Y. Lejeune, C. B. Ménard. A comparison of 1701 snow models using observations from an alpine site. ADVANCES IN WATER RESOURCES, Volume: 55, Pages: 131-148, Doi : 10.1016/j.advwatres.2012.07.013. Published: MAY 2013.

CEN-2013-ACL-4 : Ferraro, R., C. Peters-Lidard, C. Hernandez, F. Turk, F. Aires, C. Prigent, X. Lin, S. Boukabara, F. Furuzawa, K. Gopalan, K. Harrison, F. Karbou, L. Li, C. Liu, H. Masunaga, L. Moy, S. Ringerud, G. Skofronick-Jackson, Y. Tian and N.-Y Wang, 2012 : An evaluation of microwave land surface emissivities over the continental United States to benefit GPM-era precipitation algorithms. IEEE Transactions on Geoscience and remote Sensing, Volume: 51, Issue: 1, Pages: 378-398, DOI: 10.1109/TGRS.2012.2199121, Part: Part 2, Published: JAN 2013.

CEN-2013-ACL-5 : Haapala, J., Lensu, M., Dumont, M., Renner, A. H. H., Granskog, M. A., and Gerland, S. : Small-scale horizontal variability of snow, sea-ice thickness and freeboard in the first-year ice region north of Svalbard. ANNALS OF GLACIOLOGY, Volume: 54, Issue: 62, Pages: 261-266, Part: 2, Doi : 10.3189/2013AoG62A157. Published: 2013.

CEN-2013-ACL-6 : Hagenmuller P., G. Chambon, B. Lesaffre, F. Flin, M. Naaim: Energy-based binary segmentation of snow microtomographic images. JOURNAL OF GLACIOLOGY, Volume: 59, Issue: 217, Pages: 859-873, Doi 10.3189/2013JoG13J035. Published: 2013.

CEN-2013-ACL-7 : Lavaysse C., Eymard L., Flamant C., Karbou F., Mimouni M., Saci A (2013) : Monitoring the West African heat low at seasonal and intra-seasonal timescales using AMSU-A sounder. ATMOSPHERIC SCIENCE LETTERS, Volume: 14, Issue: 4, Pages: 263-271, Doi : 10.1002/asl2.449. Published: OCT 2013.

CEN-2013-ACL-8 : Lecomte, O., T. Fichet, M. Vancoppenolle, F. Domine, F. Massonnet, P. Mathiot, S. Morin and P.-Y. Barriat : On the formulation of snow thermal conductivity in large-scale sea ice models. JOURNAL OF ADVANCES IN MODELING EARTH SYSTEMS, Volume: 5, Issue: 3, Pages: 542-557, Doi : 10.1002/jame.20039. Published: JUL 2013.

CEN-2013-ACL-9 : Lejeune, Y., J.-M. Bertrand, P. Wagnon and S. Morin, : A physically-based model for the year-round surface energy and mass balance of debris-covered glaciers. JOURNAL OF GLACIOLOGY, Volume: 59, Issue: 214, Pages: 327-344, Doi : 10.3189/2013JoG12J149. Published: 2013.

CEN-2013-ACL-10 : Libois, Q., Picard, G., France, J. L., Arnaud, L., Dumont, M., Carmagnola, C. M., and King, M. D. : Grain shape influence on light extinction in snow. CRYOSPHERE, Volume: 7, Issue: 6, Pages: 1803-1818, Doi : 10.5194/tc-7-1803-2013. Published : 2013.

CEN-2013-ACL-11 : Mary, A., M. Dumont, J.-P. Dedieu, Y. Durand, P. Sirguey, H. Milhem, O. Mestre, H. S. Negi, A. Kokhanovsky, M. Lafaysse and S. Morin, 2013 : Intercomparison of retrieval algorithms for the specific surface area of snow from near-infrared satellite data in mountainous terrain, and comparison with the output of a semi-distributed snowpack model. CRYOSPHERE, Volume: 7, Issue: 2, Pages: 741-761, Doi : 10.5194/tc-7-741-2013. Published: 2013.

CEN-2013-ACL-12 : Morin, S., F. Domine, A. Dufour, Y. Lejeune, B. Lesaffre, J.-M. Willemet, C. M. Carmagnola and H.-W. Jacobi, Measurements and modeling of the vertical profile of specific surface area of an alpine snowpack, Advances in Water Resources, Volume: 55 Pages: 111-120 DOI: 10.1016/j.advwatres.2012.01.010 Published: MAY 2013.

CEN-2013-ACL-13 : Naaim, M., Y. Durand, N. Eckert and G. Chambon, Dense avalanche friction coefficients: influence of physical properties of snow. JOURNAL OF GLACIOLOGY, Volume: 59, Issue: 216, Pages: 771-782, Doi : 10.3189/2013JoG12J205. Published: 2013.

CEN-2012-ACL-14 : Rabatel, A., B. Francou, A. Soruco, J. Gomez, B. Cáceres, J. L. Ceballos, R. Basantes, M. Vuille, J.-E. Sicart, C. Huggel, M. Scheel, Y. Lejeune, Y. Arnaud, M. Collet, T. Condom, G. Consoli, V. Favier, V. Jomelli, R. Galarraga, P. Ginot, L. Maisincho, J. Mendoza, M. Ménégoz, E. Ramirez, P. Ribstein, W. Suarez, M. Villacis, and P. Wagnon, 2012 : Review article of the current state of glaciers in the tropical Andes: a multi-century perspective on glacier evolution and climate change. Cryosphere, Volume: 7, Issue: 1, Pages: 81-102, Doi : 10.5194/tc-7-81-2013. Published: 2013.

CEN-2013-ACL-15 : Renner, A. H. H., Dumont, M., Beckers, J., Gerland, S., and Haas, C. : Improved characterization of sea ice using simultaneous aerial photography and sea ice thickness measurements. COLD REGIONS SCIENCE AND TECHNOLOGY, Volume: 92, Pages: 37-47, Doi : 10.1016/j.coldregions.2013.03.009. Published: AUG 2013.

CEN-2013-ACL-16 : Saccone, P., S. Morin, C. Colomb, F. Baptist, J.-M. Bonneville, M. P. Colace, F. Domine, M. Faure, R. Geremia, J. Lochet, F. Poly, S. Lavorel and J.-C. Clément, 2012 : The effects of snowpack properties and plant strategies on litter decomposition during winter in subalpine meadows. Plant and Soil, Volume: 363, Issue: 1-2, Pages: 215-229, DOI: 10.1007/s11104-012-1307-3, Published: FEB 2013.

CEN-2013-ACL-17 : Savarino, J., S. Morin, J. Erbland, F. Grannec, M. Patey, W. Vicars, B. Alexander and E. P. Achterberg, Isotopic composition of atmospheric nitrate in a tropical marine boundary layer. PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, Volume: 110, Issue: 44, Pages: 17668-17673, Doi :10.1073/pnas.1216639110. Published: OCT 29 2013.

CEN-2013-ACL-18 : Silva, I. M., G. Combe, P. Foray, F. Flin and B. Lesaffre, 2013 : Postmortem analysis of sand grain crushing from pile interface using X-ray tomography : Conference: 7th International Conference on Micromechanics of Granular Media (Powders and Grains) Location: Sydney, AUSTRALIA Date: JUL 08-12, 2013 Sponsor(s): Assoc Study Micromechan Granular Media (AEMMG); Univ New S Wales (UNSW), Lab Simulat & Modelling Particulate Syst (SIMPAS); Curtin Univ (CU), Dept Chemical Engrn; Univ Twente (UT), Multi Scale Mech Grp (CTW & MESA+); JMBC Res Sch Fluid Mechan; Elsevier; Univ New S Wales (UNSW), Sch Mat Sci & Engrn. POWDERS AND GRAINS 2013 Book Series: AIP Conference Proceedings, Volume: 1542, Pages: 297-300, Doi : 10.1063/1.4811926. Published: 2013.

CEN-2013-ACL-19 : Vicars, W. C., S. Morin, J. Savarino, N. L. Wagner, J. Erbland, E. Vince, J. M. F. Martins, B. M. Lerner, P. K. Quinn, D.J. Coffman, E. J. Williams, and S. S. Brown, Spatial and diurnal variability in reactive nitrogen oxide chemistry as reflected in the isotopic composition of atmospheric nitrate: Results from the CalNex 2010 field study. JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES, Volume: 118, Issue: 18, Pages: 10567-10588, Doi : 10.1002/jgrd.50680, 2013. Published: SEP 27 2013.

CEN-2013-ACL-20 : Wagon, P., Vincent, C., Arnaud, Y., Berthier, E., Vuillermoz, E., Gruber, S., Ménégoz, M., Gilbert, A., Dumont, M., Shea, J. M., Stumm, D., and Pokhrel, B. K. : Seasonal and annual mass balances of Mera and Pokalde glaciers (Nepal Himalaya) since 2007. CRYOSPHERE, Volume: 7, Issue: 6, Pages: 1769-1786, Doi : 10.5194/tc-7-1769-2013. Published: 2013.

MULTI-GROUPES

GMGEC-GMME-CEN-2013-ACL-1 : Brun, E., V. Vionnet, A. Boone, B. Decharme, Y. Peings, R. Valette, F. Karbou and S. Morin, 2013 : Simulation of northern Eurasian local snow depth, mass and density using a detailed snowpack model and meteorological reanalysis. Journal of Hydrometeorology, Volume: 14, Issue: 1, Pages: 203-219, DOI: 10.1175/JHM-D-12-012.1, Published: FEB 2013.

GMME-GMGEC-2013-ACL-2 : Carrer, D., J.-L. Roujean, S. Lafont, J.-C. Calvet, A. Boone, B. Decharme, C. Delire, and J.-P. Gastellu-Etchegorry, 2013 : A canopy radiative transfer scheme with explicit FAPAR for the interactive vegetation model ISBA-A-gs : Impact on carbon fluxes. Journal of Geophysical Research - Biogeoscience, Volume: 118, Issue: 2, Pages: 888-903, DOI: 10.1002/jgrg.20070, Published: JUN 2013.

GMAP-CEN-2013-ACL-3 : Cohn, S. A, T. Hock, P. Cocquerez, J. Wang, F. Rabier, D. Parsons, P. Harr, C. Wu, P. Drobinski, F. Karbou, S. Venel, A. Vargas, N. Fourrié, N. Saint-Ramond, V. Guidard, A. Doerenbecher, H. Hsu, P. Lin, M. Chou, J-L. Redelsperger, C. Martin, J. Fox, N. Potts, K. Young, and H. Cole (2013), Driftsondes : Providing In-Situ, Long-Duration, Dropsonde Observations over Remote Regions. BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, Volume: 94, Issue: 11, Pages: 1661-1674, Doi : 10.1175/BAMS-D-12-00075.1. Published: NOV 2013.

GMGEC-GMME-2013-ACL-4 : Decharme, B., E. Martin, and S. Faroux, 2013 : Reconciling soil thermal and hydrological lower boundary conditions in land surface models. Journal of Geophysical Research - Atmosphere, Volume: 118, Issue: 14, Pages: 7819-7834, DOI: 10.1002/jgrd.50631, Published: JUL 27 2013.

CEN-GMGEC-2013-ACL-5 : Domine, F., Morin, S., Brun, E., Lafaysse, M., and Carmagnola, C. M.: Seasonal evolution of snow permeability under equi-temperature and temperature-gradient conditions. CRYOSPHERE, Volume: 7, Issue: 6, Pages: 1915-1929, Doi : 10.5194/tc-7-1915-2013. Published: 2013.

CEN-GMAP-2013-ACL-6 : Drobinski, P., F. Karbou, P. Bauer, P. Cocquerez, C. Lavaysse, T. Hock, D. Parsons, F. Rabier, J-L. Redelsperger, S. Vénéel, 2013 : Driftsonde observations to evaluate numerical weather prediction of the late 2006 African monsoon. JOURNAL OF APPLIED METEOROLOGY AND CLIMATOLOGY, Volume: 52, Issue: 4, Pages: 974-995, Doi : 10.1175/JAMC-D-11-0176.1 Published: APR 2013.

GMGEC-GMME-2013-ACL-7 : Habets, F., J. Boé, M. Déqué, A. Ducharne, S. Gascoin, A. Hachour; E. Martin, C. Pagé, E. Sauquet, L. Terray, D. Thiéry, L. Oudin, and P. Viennot, 2013: Impact of climate change on the hydrogeology of two basins in Northern France. Climatic Change, Volume : 121, Pages: 771-785, DOI 10.1007/s10584-013-0934-x, Published : DEC2013.

GMEI-GMGEC-2013-ACL-8 : Kirschke S., P. Bousquet, P. Ciais, M. Saunois, J. G. Canadell, E. J. Dlugokencky, P. Bergamaschi, D. Bergmann, D. R. Blake, L. Bruhwiler, P. Cameron-Smith, S. Castaldi, F. Chevallier, L. Feng, A. Fraser, M. Heimann, E. L. Hodson, S. Houweling, B. Josse, P. J. Fraser, P. B. Krummel, J.-F. Lamarque, R. L. Langenfelds, C. Le Quéré, V. Naik, S. O'Doherty, P. I. Palmer, I. Pison, D. Plummer, B. Poulter, R. G. Prinn, M. Rigby, B. Ringeval, M. Santini, M. Schmidt, Drew T. Shindell, Isobel J. Simpson, R. Spahni, L. P. Steele, Sarah A. Strode, K. Sudo, Sophie Szopa, G. R. van der Werf, A. Voulgarakis, M. van Weele, R. F. Weiss, J. E. Williams and G. Zeng, 2013 : Three decades of global methane sources and sinks. *NATURE GEOSCIENCE*, Volume: 6, Issue: 10, Pages: 813-823, Doi : 10.1038/ngeo1955. Published: OCT 2013.

GMME-GMEI-2013-ACL-9 : Le Moigne, P., Legain, D., Lagarde, F., Potes, M., Tzanos, D., Moulin, E., Barrie, J., Salgado, R., Messiaen, G., Fiandrino, A., Donier, S., Traulle, O., Costa, MJ, 2013 : Evaluation of the lake model FLake over a coastal lagoon during the THAUMEX field campaign. *TELLUS SERIES A-DYNAMIC METEOROLOGY AND OCEANOGRAPHY*, Volume: 65, Article Number: 20951, Doi : 10.3402/tellusa.v65i0.20951. Published: 2013.

GMAP-CEN-2013-ACL-10 : Mary A., Dumont, M., Dedieu, J.-P., Durand, Y., Sirguey, P., Milhem, H., Mestre, O., Negi, H. S., Kokhanovsky, A. A., Lafaysse, M., and Morin, S.: Intercomparison of retrieval algorithms for the specific surface area of snow from near-infrared satellite data in mountainous terrain, and comparison with the output of a semi-distributed snowpack model. *CRYOSPHERE*, Volume: 7, Issue: 2, Pages: 741-761, Doi : 10.5194/tc-7-741-2013. Published: 2013.

GMME-GMGEC-2013-ACL-11 : Masson, V., P. Le Moigne, E. Martin, S. Faroux, A. Alias, R. Alkama, S. Belamari, A. Barbu, A. Boone, F. Bouyssel, P. Brousseau, E. Brun, J.-C. Calvet, D. Carrer, B. Decharme, C. Delire, S. Donier, K. Essaouini, A.-L. Gibelin, H. Giordani, F. Habets, M. Jidane, G. Kerdraon, E. Kourzeneva, M. Lafaysse, S. Lafont, C. Lebeaupin-Brossier, A. Lemonsu, J.-F. Mahfouf, P. Marguinaud, M. Mokhtari, S. Morin, G. Pigeon, R. Salgado, Y. Seity, F. Taillefer, G. Tanguy, P. Tulet, B. Vincendon, V. Vionnet, and A. Voltaire, 2013 : The SURFEXv7.2 land and ocean surface platform for coupled or offline simulation of earth surface variables and fluxes. *Geoscientific Model Development*, Volume: 6, Pages: 929-960, DOI :10.5194/gmd-6-929-2013, Published: 16 JUL 2013.

GMME-GMGEC-2013-ACL-12 : Masson V., Y. Lion, A. Peter, G. Pigeon, J. Buyck, E. Brun, 2013 : "Grand Paris" : Regional landscape change to adapt city to climate warming. *Climatic Change*, Volume: 117, Issue: 4, Pages: 769-782, DOI: 10.1007/s10584-012-0579-1, Published: APR 2013.

GMME-GMGEC-2013-ACL-13 : Poan, D. E., R. Roehrig, F. Couvreur and J.-P. Lafore, 2013 : West African monsoon intraseasonal variability: a precipitable water perspective. *Journal of Atmospheric Sciences*, Volume : 70, Issue : 4, Pages: 1035-1052, DOI :10.1175/JAS-D-12-087.1, Published: APR 2013.

GMAP-GMGEC-2013-ACL-14 : Rabier F., S. Cohn, P. Cocquerez, A. Hertzog, L. Avallone, T. Deshler, J. Haase, Hock T., A. Doerenbecher, J. Wang, V. Guidard, J.-N. Thépaut, R. Langland, A. Tangborn, G. Balsamo, E. Brun, D. Parsons, J. Bordereau, C. Cardinali, F. Danis, J.-P. Escarnot, N. Fourrié, R. Gelaro, C. Genthon, K. Ide, L. Kalnajs, C. Martin, L.-F. Meunier, J.-M. Nicot, T. Pertulla, N. Potts, P. Ragazzo, D. Richardson, S. Sosa-Sesma, and A. Vargas, 2013 : The Concordiasi Field Experiment over Antarctica : First Results from Innovative Atmospheric Measurements, *Bulletin of the American Meteorological Society*, Vol. 94, No. 3, DOI:10.1175/BAMS-D-12-00005.1, March 2013. MEETING SUMMARIES ES17-ES20.

GMME-GMGEC-2013-ACL-15 : Rio, C., J.-Y. Grandpeix, F. Hourdin, F. Guichard, F. Couvreur, J.-P. Lafore, A. Fridlind, A. Mrowiec, S. Bony, N. Rochetin, R. Roehrig, A. Idelkadi, M.-P. Lefebvre, I. Musat, 2013 : Control of deep convection by sub-cloud lifting processes: The ALP closure in the LMDZ5B general circulation model. *Climate Dynamics*, Volume: 40 Issue: 9-10 Special Issue: SI Pages: 2271-2292 DOI: 10.1007/s00382-012-1506-x Published: MAY 2013.

GMME-GMGEC-2013-ACL-16 : Roehrig, R., D. Bouniol, F. Guichard, F. Hourdin and J.-L. Redelsperger, 2013 : The present and future of the West African monsoon: a process-oriented assessment of CMIP5 simulations along the AMMA transect. Journal of Climate, Volume: 26, Issue: 17, Pages: 6471-6505, DOI: 10.1175/JCLI-D-12-00505.1, Published: SEP 2013.

GMME-CEN-2013-ACL-17 : Vionnet, V., Guyomarc'h, G., Bouvet, F.N., Martin, E., Durand, Y., Bellot, H., Bel, C., Pugliese, P.: Occurrence of blowing snow events at an alpine site over a 10-year period: Observations and modelling, Advances in Water Resources, Volume: 55 Pages: 53-63 DOI: 10.1016/j.advwatres.2012.05.004 Published: MAY 2013.

GMME-GMGEC-CEN-2013-ACL-18 : Wang, T Ottele, C Boone, A Ciais, P Brun, E Morin, S Krinner, G Piao, SL Peng, SS, 2013 : Evaluation of an improved intermediate complexity snow scheme in the ORCHIDEE land surface model. JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES, Volume: 118, Issue: 12, Pages: 6064-6079, Doi : 10.1002/jgrd.50395. Published: JUN 27 2013.

GMME-GMAP-2013-ACL-19 : Yano, JI Bister, M Fuchs, Z Gerard, L Phillips, VTJ Barkidija, S Piriou, JM, 2013 : Phenomenology of convection-parameterization closure. PHYSICS ATMOSPHERIC CHEMISTRY AND PHYSICS, Volume: 13, Issue: 8, Pages: 4111-4131, Doi : 10.5194/acp-13-4111-2013. Published: 2013.

ACLN

**Articles dans des revues avec comité de lecture
non répertoriées par l'AERES ou dans des bases de données internationales**

2013

GMAP

GMAP-2013-ACLN-1 : Raynaud L. : Estimation des variances d'erreur de prévision pour l'assimilation de données. La Météorologie, 2013, N° 80, p. 48-58, Doi : 10.4267/2042/48794.

GMAP-2013-ACLN-2 : Sbii S., M. Zazoui, N. Semane, Y. Michel and P. Arbogast : Exploring the Potential Application of MetOp/GOME2 Ozone Data to Weather Analysis. International Journal of Computer Science Issues, **40**, 260-263. ISSN (Print): 1694-0814 | ISSN (Online): 1694-0784

GMME

GMME-2013-ACLN-1 : Besson, L., O. Caumont et J. Parent du Châtelet, 2013 : La réfractivité radar : vers une cartographie de l'humidité en très basse couche de l'atmosphère. La Météorologie, 83, 81–89, DOI : 10.4267/2042/52057, URL : <http://dx.doi.org/10.4267/2042/52057>.

MULTI-GROUPES

GMME-GMAP-GMGEC-2013-ACLN-1 : Drobinski, P.; Ducrocq, V.; Arbogast, P.; Basdevant, C.; Bastin, S.; Beguery, L.; Belamari, S.; Béranger, K.; Bock, O.; Bouin, M.-N.; Boudevillain, B.; Bousquet, O.; Bouvier, C.; Braud, I.; Calvet, J.-C.; Champollion, C.; Chanzy, A.; Claude, M.; Cocquerez, P.; Coppola, L.; Coquillat, S.; Courault, D.; Defer, E.; Delanoë, J.; Delrieu, G.; Doerenbecher, A.; Dorfliger, A.; Estèves, M.; Estournel, C.; Flamant, C.; Fourrié, N.; Garrouste, O.; Gaume, E.; Giordani, H.; Gomes, L.; Roberts, G.; Jourde, H.; Labatut, L.; Lambert, D.; Coz, J. Le; Ludwig, W.; Lutoff, C.; Mahfouf, J.-F.; Martin, E.; Mastroiello, L.; Mathys, N.; Michel, Y.; Nuret, M.; Orain, F.; Perez, S.; Prigent, C.; Radakovitch, O.; Ramage, K.; Richard, E.; Roujeau, J.-L.; Roussot, O.; Ruin, I.; Saïd, F.; Schwarzenboeck, A.; Sellegri, K.; Somot, S.; Taupier-Letage, I.; Testor, P.; Baelen, J. Van; Vandervaere, J.-P. : HyMeX, le cycle de l'eau méditerranéen à la loupe, La Météorologie, 2013, Série 8, N° 80 ; p. 23-36, Doi : 10.4267/2042/48792

GMME-GMGEC-GMEI-GMAP-2013-ACLN-2 : Ducrocq, V.; Belamari, S.; Boudevillain, B.; Bousquet, O.; Cocquerez, P.; Doerenbecher, A.; Drobinski, P.; Flamant, C.; Labatut, L.; Lambert, D.; Nuret, M.; Richard, E.; Roussot, O.; Testor, P., Arbogast, P.; Ayral, P.-A.; Baelen, J. Van; Basdevant, C.; Boichard, J.-L.; Bourras, D.; Bouvier, C.; Bouin, M.-N.; Bock, O.; Braud, I.; Champollion, C.; Coppola, L.; Coquillat, S.; Defer, E.; Delanoë, J.; Delrieu, G.; Didon-Lescot, J.-F.; Durand, P.; Estournel, C.; Fourrié, N.; Garrouste, O.; Giordani, H.; Coz, J. Le; Michel, Y.; Nuissier, O.; Roberts, G.; Saïd, F.; Schwarzenboeck, A.; Sellegri, K.; Taupier-Letage, I.; Vandervaere, J.-P. : HyMeX, les campagnes de mesures : focus sur les événements extrêmes en Méditerranée. La Météorologie, 80, 37, DOI : 10.4267/2042/48793

GMAP-GMME-2013-ACLN-3 : Mahfouf J.-F., O. Caumont, T. Montmerle, E. Wattrelot, et V. Ducrocq : Assimilation des données radar dans le modèle AROME. La Météorologie, 2013, Série 8, N° 83 ; p. 42-49, Doi : 10.4267/2042/52053.

GMAP-GMEI-2013-ACLN-4 : Montmerle T. et O. Bousquet: Anatomie d'une tornade. Dossier Pour la Science, 78, N°423, 110-115 78.

ASCL

Articles dans des revues sans comité de lecture

2013

GMAP

GMAP-2013-ASCL-1 : Brousseau P. and G. Desroziers: Impact of observations on the AROME-France convective-scale dataassimilation system. WMO CAS/JSC WGNE Blue Book, Edited by J. Côté., 2013

GMAP-2013-ASCL-2 : Descamps L., C. Labadie, A. Joly, P. Arbogast : Ensemble assessment using the TIGGE database. WMO CAS/JSC WGNE Blue Book, Edited by J. Côté., 2013

GMAP-2013-ASCL-3 : Doerenbecher A., C. Basdevant, F. Bernard, Ph. Cocquerez, N. Verdier and P. Durand: Boundary Layer Pressurized Balloons Deployed in the Mediterranean. in Proc. "21st ESA Symposium European Rocket & Balloon Programmes and Related Research", 9-13 June 2013 Thun Switzerland (ESA SP-721, October 213), p. 99—106

GMAP-2013-ASCL-4 : Michelson, D., P. Joe , D.Lockett , S. Goldstraw , L. Bai , A. Becker , K. Georgakakos , S. Foreman , E. Fucile , R. Giraud , N. Gaussiat , T. Hohmann , A.Kamilliddin , M. Kitchen , E. Kyte , J.-F. Mahfouf , S. Matthews , J. M. de Rezende , O. Sireci , M. A. de Barros Teixeira and E. Wattrelot : WMO initiative for the global exchange of radar data. Proceedings of the 36th AMS conference on radar meteorology (16-20 Sept. 2013), Breckenridge (Colorado), 9 pp.

GMGEC

GMGEC-2013-ASCL-1 : Déqué, M., and S. Somot, 2013. Climate Change on small islands. Research activities in atmospheric and oceanic modelling. WMO CAS/JSC WGNE Blue Book, 42, 7.13-7.14.

MULTI-GROUPES

GMAP-GMME-2013-ASCL-1 : Fourrié N., E. Bresson, E. Sevault and M. Nuret: Arome WMED, a model dedicated to the HyMeX campaign. WMO CAS/JSC WGNE Blue Book, Edited by J. Côté., 2013

GMAP-GMGEC-2013-ASCL-2 : Piriou J-M. and J.-F. Guérémy: PCMT: Prognostic Condensates Microphysics and Transport. A new convection scheme for the global Climate and NWP model ARPEGE.WMO CAS/JSC WGNE Blue Book, Edited by J. Côté., 2013

C-INV

**Conférences données à l'invitation du Comité d'organisation
dans un congrès national ou international**

2013

GMAP

GMAP-2013-C-INV-1 : Bénard P. : « A non-hydrostatic SI dynamical core :current-state, limitations and perspectives ». Seminar On Recent Developments In Numerical Methods For Atmosphere And Ocean Modelling. ECMWF, Reading 02-05/09/2013

GMAP-2013-C-INV-2 : Berre Loïk : Conférence « MCPIT2013: Modelling, Control and Inverse Problems : for the Planet Earth in all its states », « Data assimilation for Numerical Weather Prediction », Institut Henri Poincaré, F-75005 Paris, France, 19-20 novembre 2013. <http://www.math.univ-metz.fr/~alabau/MCPIT2013/>

GMAP-2013-C-INV-3 : Chambon P.: Quantitative precipitation estimates and forecasts : entering the Megha-Tropiques and GPM era. Second French-Japanese Workshop on the scientific utilization of Space-based Earth Observation data. May 29th 2013. CNES Headquarters, Paris, France

GMAP-2013-C-INV-4 : Chambon P., Roca R and N Taburet : The error model for the TAPEER daily rainfall estimates. 1st International Megha-Tropiques Ground Validation Workshop, September 25-27th 2013, Observatoire Midi-Pyrénées, Toulouse

GMAP-2013-C-INV-5 : Guidard V.: IASI in global and mesoscale operational NWP systems, 3^{ème} Conférence Internationale IASI, Hyères, France, 4-8 février 2013

GMAP-2013-C-INV-6: Guidard, V. : Data compression - Regional data user perspective. ECMWF/EUMETSAT NWP-SAF Workshop on Efficient Representation of Hyper-spectral Infrared Satellite Observations, ECMWF, Reading (UK), 5-7 Novembre 2013.

GMAP-2013-C-INV-7 : Montmerle T. : AROME-PI or how to take advantage of an existing operational NWPsystem at convective scale for nowcasting. Seminar on weather radar based precipitation products adapted to inflow forecasting and hydropower scheduling, MetNo, Oslo, 11-14/09/2013

GMAP-2013-C-INV-8 : Montmerle T. : Forecast errors at convective scale, Sixth WMO Symposium on Data Assimilation, Washington, 07-11/10/2013

GMAP-2013-C-INV-9 : Rabier, F. séminaire sur Concordiasi à la Cité de l'Espace, Toulouse, le 18 avril 2013.

GMAP-2013-C-INV-10 : Rabier, F. Les données recueillies sont de plus en plus complètement mises à profit; présentation invitée au colloque sur les satellites organisé par le Conseil Supérieur de la Météorologie. 24 mai à Saint-Mandé.

GMAP-2013-C-INV-11 : Wattrelot E. : Evolution, optimization and challenges of the radar data assimilation. Seminar on weather radar based precipitation products adapted to inflow forecasting and hydropower scheduling, MetNo, Oslo, 11-14/09/2013

GMGEC

GMGEC-2013-C-INV-1 : Déqué, M., 2013 : Conséquences du changement climatique sur l'évolution des précipitations et des épisodes de sécheresse. 15^{èmes} journées nationales de la filière blé dur, 7 février 2013, Labège.

GMGEC-2013-C-INV-2 : Déqué, M., 2013 : Improvement in winter seasonal predictability by including a stratospheric description in the forecast model. WCRP international workshop on seasonal to decadal prediction, 14 mai 2013, Toulouse.

GMGEC-2013-C-INV-3 : Déqué, M., 2013 : Dynamical Downscaling of CMIP5 scenario over France: simple versus double nesting. Conférence on Global change and resilience, 22 mai 2013, Brno, République Tchèque.

GMGEC-2013-C-INV-4 : Déqué, M., 2013 : Numerical downscaling of climate scenarios. Summer school on climate impacts of a 2°C warming, 28 août 2013, Hamburg, Allemagne.

GMGEC-2013-C-INV-5 : Déqué, M., 2013 : Overview of dynamical downscaling methods. Cordex conference, 6 novembre 2013, Bruxelles, Belgique.

GMGEC-2013-C-INV-6 : Douville H., 2013 : Land surface contribution to climate predictability: the long way from early evidence to improved forecast skill (invited talk). EGU meeting, Vienne, 8-12/04/2013.

GMGEC-2013-C-INV-7 : Guemas, V., 2013 : The role of sea ice in extended range prediction of atmosphere and ocean . ECMWF-WWRP/THORPEX workshop on polar prediction, 24-28 June 2013, Reading, UK.

GMME

GMME-2013 C-INV-1 : Ducrocq, V. and HyMeX EC-ISC Team, 2013 : HyMeX-SOP1, the field campaign dedicated to heavy precipitation and flash-flooding in Northwestern Mediterranean. EGU General Assembly ,Vol. 15, EGU2013-2539, 2013 2013

GMME-2013-C-INV-2 : Ducrocq, V., E. Richard and the HyMeX EC-ISC Team, 2013 :HyMeX SOP1, the field campaign dedicate to heavy precipitation and flash-floods in Northwestern Mediterranean, International Conference on Alpine Meteorology, Kranjska Gora, Slovenia, 3 - 7 June 2013

GMME-2013 -C-INV-3 : Ducrocq, V. and HyMeX EC-ISC (SOP1)Team, 2013 : HyMeX-SOP1, a field campaign dedicated to heavy precipitation and flash-flooding in Northwestern Mediterranean, 13th EMS Annual Meeting & 11th European Conference on Applications of Meteorology (ECAM) | 09 – 13 September 2013 | Reading, United Kingdom

GMME-2013-C-INV-4 : Lafore, J.P., The cold pool parameterization in the LMD model: basics, results in 1D frameworks and challenges. COST WG1+2 Meeting: "Convectively Generated Cold Pools" September 3-4 septembre 2013, Bergen, Norvège

GMME-2013-C-INV-5 : Lafore, J.P., Improving the representation of convection over Africa for semi-arid conditions. WCRP: "Understanding and representing atmospheric convection across scales" 18-20 janvier 2012, Devon, UK

CEN

CEN-2013-C-INV-1 : Calonne, N., C. Geindreau, F. Flin, B. Lesaffre and S. Rolland du Roscoat, 2013 : About the relationship between microstructural and effective physical properties of snow computed on 3D images: comparison with measurements and models, AGU Fall Meeting, 9-13 December, San Francisco, USA, C41C-0655, invited poster.

C-ACTI

Communications avec actes dans un congrès international

2013

GMAP

GMAP-2013-C-ACTI-1 : Rabier F., J.-N. Thépaut, N. Saint-Ramond, V. Guidard, F. Karbou, A. Vincensini, R. Langland, R. Gelaro, C. Cardinali, T. August, N. Fourrié, A. Doerenbecher, S. Guedj, P. Bauer, D. Richardson, M. Janousek, C. Sahin, A. Garcia-Mendez, C. Parrett, R. Saunders, A. Cress, U. Pflüger, G. Verner, P. Koclas, Y. Sato, Y. Ling : Model performance and data impact over polar regions ECMWF-WWRP/THORPEX WORKSHOP ON POLAR PREDICTION, Reading, 24-27/06/2013.

GMEI

GMEI-2013-C-ACTI-1 : Burnet, F., L. Gomes, T., M. Haeffelin, J.-C. Dupont, and T. Elias: Fog microphysics during PARISFOG, Proceedings of the 6th International Conference on Fog, Fog Collection and Dew, Yokohama, Japan, May 2013.

GMEI-2013-C-ACTI-2 : Colin J., F. Stoop and A. Paci (2013): A meteorological numerical model adapted to laboratory experiments, application to trapped orographic waves. International Conference on Alpine Meteorology (ICAM 2013), 3-7 June 2013, Kranjska Gora, Slovenia.

GMEI-2013-C-ACTI-3 : Dabas, A. (2013): Lidars for operational meteorology. 17^{ème} Coherent Laser Radar Conference. 17-20 juin 2013. Barcelone, Espagne.

GMEI-2013-C-ACTI-4 : Dabas A., V. Lever, P. Flamant (2013): Observation of aerosols from space with the AEOLUS mission. ESA Living Planet Symposium. 9-13 septembre 2013. Edimbourg, Ecosse.

GMEI-2013-C-ACTI-5 : Dupont J.-C. , M. Haeffelin, T. Elias, F. Burnet, and, E. Dupont: Role of thermal and dynamical processes in fog life cycle during PARISFOG field experiment, Proceedings of the 6th International Conference on Fog, Fog Collection and Dew, Yokohama, Japan, May 2013.

GMEI-2013-C-ACTI-6 : Dupont J.-C. , M. Haeffelin, F. Burnet, J.B. Renard and, J. Delanoe: The stratus-to-fog transition: feedbacks between cloud layer dynamics and droplet microphysics (P16), Proceedings of the 6th International Conference on Fog, Fog Collection and Dew, Yokohama, Japan, May 2013.

GMEI-2013-C-ACTI-7 : Elias T., D. Jolivet, J.-C. Dupont, M. Haeffelin, and F. Burnet: The PreViBOSS project: improving short term forecast visibility by associating ParisFog ground-based and satellite observation data, Proceedings of the 6th International Conference on Fog, Fog Collection and Dew, Yokohama, Japan, May 2013.

GMEI-2013-C-ACTI-8 : Elias T., J.-C. Dupont, M. Haeffelin, F. Burnet and D. Jolivet: Observed aerosol contribution to extinction of visible radiation in fog. Proceedings of the 6th International Conference on Fog, Fog Collection and Dew, Yokohama, Japan, May 2013.

GMEI-2013-C-ACTI-9 : Hammer E., J. Hofer, M. Gysel, G. Roberts, N. Bukowiecki, J.-C. Dupont, F. Burnet, M. Haeffelin, U. Baltensperger and E. Weingartner: Proceedings of the 6th International Conference on Fog, Fog Collection and Dew, Yokohama, Japan, May 2013.

GMEI-2013-C-ACTI-10 : Ichard, C. and C. Baehr, 2013 : Inference of a random environment from random process realizations: Formalism and application to trajectory prediction, Proceedings of Interdisciplinary Science for Innovative Air Traffic Management 2013 - Toulouse, France, July 8-10 2013

GMEI-2013-C-ACTI-11 : Klein C., A.Dabas (2013): Short-range measurement of extinction in fog with heterodyne lidar. 17^{ème} Coherent Laser Radar Conference. 17-20 juin 2013. Barcelone, Espagne.

GMEI--2013-C-ACTI-12 : M. Lei, Z. Jing and C. Baehr, 2013 : Iteration and SUT-based Variational Filter. Proceedings of 16th International Conference on Information Fusion - Fusion 2013 - Istanbul, Turkey, July 9-12 2013.

GMEI-2013-C-ACTI-13 : Paci A., Y. Dossmann, F. Auclair, J. Colin, F. Stoop, L. Lacaze and E.Cid (2013): Topographically induced waves in a pycnocline: internal solitary waves and trapped orographic waves in the Toulouse stratified water flume, International Conference on Alpine Meteorology (ICAM 2013), 3-7 June 2013, Kranjska Gora, Slovenia.

GMME

GMME-2013-C-ACTI-1 : Augros, C., O. Caumont, V. Ducrocq et P. Tabary, 2013 : Development and validation of a full polarimetric radar simulator. 36th Conference on Radar Meteorology, 16-20/09/2013, Breckenridge, Colorado, Amer. Meteor. Soc., 387.

CEN

CEN-2013-C-ACTI-1 : Charrois, L., M. Dumont, P. Sirguey, S. Morin, M. Lafaysse and F. Karbou, 2013: Comparing different MODIS snow products with distributed simulation of the snowpack in the French Alps, Proceedings of the International Snow Science Workshop Grenoble - Chamonix Mont-Blanc - 2013, 7-11 October, Grenoble, France, 937-941.

CEN-2013-C-ACTI-2 : Dombrowski-Etchevers, I., L. Quéno, F. Karbou, J.-F. Ribaud and Y. Durand, 2013: Test and potentialities of a new numerical weather forecasting non-hydrostatic model for hydrology and snowcover simulations, Proceedings of the International Snow Science Workshop Grenoble - Chamonix Mont-Blanc - 2013, 7-11 October, Grenoble, France, 1309-1314.

CEN-2013-C-ACTI-3 : Eckert, N., A. Lavigne, H. Castebrunet, G. Giraud and M. Naaim, 2013: Recent changes in avalanche activity in the French Alps and their links with climatic drivers: an overview, Proceedings of the International Snow Science Workshop Grenoble - Chamonix Mont-Blanc - 2013, 7-11 October, Grenoble, France, 1211-1215.

CEN-2013-C-ACTI-4 : Giraud, G., Y. Durand, M. Rousselot, L. Merindol, I. Dombrowski-Etchevers, M. Déqué and H. Castebrunet, 2013: Impact du changement climatique sur l'enneigement et le risque d'avalanche à partir de différents scénarii climatiques issus de modèles régionaux de climat (MRC) : application aux Alpes Françaises, Proceedings of the International Snow Science Workshop Grenoble - Chamonix Mont-Blanc - 2013, 7-11 October, Grenoble, France, 1194-1200.

CEN-2013-C-ACTI-5 : Goetz, D., V. Latu, G. Guyomarc'h, Y. Durand, G. Giraud and J.-M. Willemet, 2013: Intégration d'un schéma de transport dans le modèle de prévision opérationnel du risque d'avalanche français : évaluation par des révisionnistes avalanche, Proceedings of the International Snow Science Workshop Grenoble - Chamonix Mont-Blanc - 2013, 7-11 October, Grenoble, France, 264-269.

CEN-2013-C-ACTI-6 : Guyomarc'h G., Y. Durand, G. Giraud and F. Naaim-Bouvet, 2013: Intégration d'un schéma de transport de neige par le vent dans la chaîne opérationnelle française de prévision du risque d'avalanches., Proceedings of the International Snow Science Workshop Grenoble - Chamonix Mont-Blanc - 2013, 7-11 October, Grenoble, France, 92-98.

CEN-2013-C-ACTI-7 : Hagenmuller, P., G. Chambon, B. Lesaffre, F. Flin, N. Calonne, and M. Naaim, 2013 : Energy-based binary segmentation of snow microtomographic images, Proceedings of the 1st International Conference on Tomography of Materials and Structures ICTMS - 2013, 1-5 July, Ghent, Belgium, 4p.

CEN-2013-C-ACTI-8 : Hagenmuller, P., G. Chambon, F. Flin, X. Wang, B. Lesaffre and M. Naaim, 2013 : Description of the snow microstructure as a 3D assembly of grains, Proceedings of the International Snow Science Workshop Grenoble - Chamonix Mont-Blanc - 2013, 7-11 October, Grenoble, France, 87-91.

CEN-2013-C-ACTI-9 : Lafaysse, M., S. Morin, C. Coléou, M. Vernay, D. Serça, F. Besson, J.-M. Willemet, G. Giraud and Y. Durand, 2013 : Towards a new chain of models for avalanche hazard forecasting in French mountain ranges, including low altitude mountains, Proceedings of the International Snow Science Workshop Grenoble - Chamonix Mont-Blanc - 2013, 7-11 October, Grenoble, France, 162-166.

CEN-2013-C-ACTI-10 : Merindol, L., Y. Durand, B. Fradon, R. Tzanos and S. Westrelin, 2013: Utilisation d'images radar RHYTMME incluant la bande X, pour améliorer la répartition horaire des précipitations journalières analysées par SAFRAN : Application au Mercantour et au Haut-Var / Haut-Verdon ;, Proceedings of the International Snow Science Workshop Grenoble - Chamonix Mont-Blanc - 2013, 7-11 October, Grenoble, France, 970-977.

CEN-2013-C-ACTI-11 : Morin, S., M. Lafaysse, C. Coléou and Y. Lejeune, 2013: Will there (still) be snow for the upcoming winter holidays? On the conditional predictability of snow conditions several weeks to months in advance, Proceedings of the International Snow Science Workshop Grenoble - Chamonix Mont-Blanc - 2013, 7-11 October, Grenoble, France, 1171-1176.

CEN-2013-C-ACTI-12 : Morin, S., Y. Lejeune, J.-M. Panel, B. Lesaffre, L. Pezard, C. Carmagnola, M. Dumont, T. Condom, R. Biron, J.-P. Laurent, G. Picard, D. Voisin, L. Arnaud, C. Genthon, L. Piard, Q. Libois, P. Carrier and F. Gottardi, 2013: Long-term (climatological) to short-term (intensive campaigns) field investigations of meteorological and snow conditions at the experimental site Col de Porte, Proceedings of the International Snow Science Workshop Grenoble - Chamonix Mont-Blanc - 2013, 7-11 October, Grenoble, France, 1402-1405.

CEN-2013-C-ACTI-13 : Phan, X.-V., L. Ferro-Famil, M. Gay, Y. Durand, M. Dumont and S. Morin, 2013: Data assimilation of multilayer snowpack on Argentière glacier, using X-band SAR data, DMRT and a detailed snowpack model, Proceedings of the International Snow Science Workshop Grenoble - Chamonix Mont-Blanc - 2013, 7-11 October, Grenoble, France, 997-1103.

CEN-2013-C-ACTI-14 : Prokop, A., P. Schoen, V. Vionnet, F. Naaim-Bouvet, G. Guyomarc'h, Y. Durand, H. Bellot, F. Singer and K. Nishimura, 2013: A comparison of terrain-based parameter, wind-field modeling and TLS snow depth data for snow drift modeling, Proceedings of the International Snow Science Workshop Grenoble - Chamonix Mont-Blanc - 2013, 7-11 October, Grenoble, France, 108-113.

CEN-2013-C-ACTI-15 : Soubeyroux, J.-M., S. Martinoni-Lapierre, D. Goetz, M. Schneider, P. Etchevers and C. Coléou, 2013: Nouveaux indicateurs de suivi climatique pour l'enneigement en montagne, Proceedings of the International Snow Science Workshop Grenoble - Chamonix Mont-Blanc - 2013, 7-11 October, Grenoble, France, 1232-1235.

CEN-2013-C-ACTI-16 : Wang, X., F. Flin, D. Coeurjolly and B. Lesaffre, 2013: Digital Flow for Grain Segmentation from 3D Microtomographic Images of Snow, Proceedings of the International Snow Science Workshop Grenoble - Chamonix Mont-Blanc - 2013, 7-11 October, Grenoble, France, 83-86.

MULTI-GROUPES

GMAP-GMME-2013-C-ACTI-1 : Seity Y., C. Lac, F. Bouyssel, S. Riette, Y. Bouteloup : Cloud and microphysical schemes in ARPEGE and AROME models, Proceedings du ECMWF : Parametrization of Clouds and Precipitation across Model Resolutions. 5-8/12/2012.

C-ACTN

Communications avec actes dans un congrès national

2013

GMEI

GMEI-2013-C-ACTN-1 : Dabas A. (2013): Besoins pour les sciences de l'atmosphère et la prévision météorologique. Atelier Instrumentation Optique Embarquée. Fondation "Sciences et Technologies de l'Aéronautique et de l'Espace". 11-13 février 2013. Nailloux. France

GMEI-2013-C-ACTN-2 : Lacaze L., O. Thual, M. Mercier and A. Paci (2013): Ondes internes topographiques dans un fluide stratifié bicouche. Congrès Français de Mécanique (CFM), 26-30 août 2013, Bordeaux, France.

GMEI-2013-C-ACTN-3 : Paci A. (2013): Potentiel de la veine hydraulique de Toulouse pour des études sur les ondes de relief, symposium Ondes de Gravité dans l'Océan et l'Atmosphère (OGO), 23-24 mai 2013, Lyon, France.

GMEI-2013-C-ACTN-4 : Paci A., J. Colin, F. Stoop, E.R. Johnson, L. Lacaze, Y. Dossmann and F. Auclair (2013): Ondes générées par une topographie dans une pycnocline, ondes piégées et ondes solitaires dans la grande veine hydraulique stratifiée de Toulouse. Congrès Français de Mécanique (CFM), 26-30 août 2013, Bordeaux, France.

AP

Autres productions : bases de données, logiciels enregistrés, traductions, comptes rendus d'ouvrages, rapports de fouilles, guides techniques, catalogues d'exposition, rapports intermédiaires de grands projets internationaux, etc.

2013

GMAP

GMAP-2013-AP-1 : Drobinski Ph., P. Cocquerez, A. Doerenbecher, T. Hock, C. Lafaysse, D. Parson, J-L. Redelsperger and S. Vétel: Hurricane and Monsoon Tracking with Driftsondes, Encyclopedia of Sustainability Science and Technology, éditée par Robert A. Meyers

GMGEC

GMGEC-2013-AP-3 : Douville, H., and L. Dubus, 2013: Summary of session 6: Targeted predictions, downscaling and applications. WCRP Report n°23/2013 of the International Workshop on Seasonal to Decadal Prediction, 13-16 May 2013, Toulouse, France.

GMGEC-2013-AP-4 : Dubreuil, V., H. Quénol, S. Bigot, V. Bonnardot, F. Huard, et M. Déqué, 2013: Le climat de la France de l'Ouest au XXI^e siècle: ce que disent les modèles. Chapitre 4 de l'ouvrage Changements climatiques dans l'Ouest. Evaluations, impacts, perceptions. Coordination P. Merot, V. Dubreuil, D. Delahaye et P. Desnos. Presses universitaires de Rennes, 57-72.

GMGEC-2013-AP-5 : Euzen, A., L. Eymard, F. Gaill, et co-auteurs, 2013 : Le Développement Durable à découvert. CNRS Editions, 364pp. (Douville, H., contribution d'auteur).

GMGEC-2013-AP-6 : Gualdi, S., S. Somot, W. May, S. Castellari, M. Déqué, M. Adani, V. Artale, A. Bellucci, J. S. Breitgand, A. Carillo, R. Cornes, A. Dell'Aquila, C. Dubois, D. Efthymiadis, A. Elizalde, L. Gimeno, C. M. Goodess, A. Harzallah, S. O. Krichak, F. G. Kuglitsch, G. C. Leckebusch, B. L'Heveder, L. Li, P. Lionello, J. Luterbacher, A. Mariotti, R. Nieto, K. M. Nissen, P. Oddo, P. Ruti, A. Sanna, G. Sannino, E. Scoccimarro, F. Sevault, M. V. Struglia, A. Toreti, U. Ulbrich, and E. Xoplaki, 2013: Future Climate Projections. In: Regional Assessment of Climate Change in the Mediterranean, Volume 1. Eds. Navarra, A., and L. Tubiana, Springer, Dordrecht, The Netherlands, 53-118.

GMGEC-2013-AP-7 : Ko, M.K.W., P.A. Newman, S. Reimann, and S.E. Strahan (Editors), SPARC Report N°6 (2013), Lifetimes of Stratospheric Ozone-Depleting Substances, Their Replacements, and Related Species, WCRP-15/2013. (Michou, M., contribution d'auteure).

GMGEC-2013-AP-8 : Peterson, T. C., M. P. Hoerling, P. A. Stott and S. Herring, Eds., 2013: Explaining Extreme Events of 2012 from a Climate Perspective. Bulletin of the American Meteorological Society, Volume : 94, Issue: 9, Pages: S1-S74, Published : SEP 2013. (Cattiaux, J., M. Chevallier, A. Germe, V. Guemas, et D. Salas y Melia, contributions d'auteurs).

GMGEC-2013-AP-10 : Planton, S., A. Barkhordarian, A. Ribes, and H. von Storch, 2013 : Detection and Attribution. In: Regional Assessment of Climate Change in the Mediterranean, Volume 1. Eds. A. Navarra, L. Tubiana, Springer, Dordrecht, The Netherlands, 157-186.

GMGEC-2013-AP-11 : Planton, S., 2013 : 5^e rapport du GIEC: ce que dit le premier volet. Dans Dossier n° 18 club ViTeCC, 29 novembre 2013, CDC Climat, Paris, 5-15.

GMGEC-2013-AP-13 : Sevault, F., S. Somot, A. Alias, C. Dubois, C. Lebeau-pin-Brossier, P. Nabat, F. Adloff, and M. Déqué, 2013: A numerical simulation of the 1980-2011 ERA-Interim period for the Mediterranean with the regional climate system model CNRM-RCSM4. Note de Centre n°31 du CNRM, septembre 2013, 67pp.

GMGEC- 2013-AP-14 : Sofianos S., V. Vervatis, N. Skliris, S. Somot, A. Lascaratos, and A. Mantziafou, 2013 : Climate variability and water mass formation in the eastern Mediterranean Sea, Atmospheric Sciences, Advances in Meteorology, Climatology and Atmospheric Physics, Part II. Eds. Helmis, C. G., and P. Nastos, Springer, Dordrecht, The Netherlands, 729-735, DOI : 10.1007/978-3-642-29172-2.

GMME

GMME-2013-AP-1 : Chrysoulakis, N.; Lopes, Myriam ; San José, Roberto ; Grimmond, Christine Susan Betham ; Jones, Mike B. ; Magliulo, Vincenzo ; Klostermann, Judith E.M. ; Synnefa, Afroditi ; Mitraka, Zina ; Castro, Eduardo A. ; Gonzalez, Ainhoa ; Vogt, Roland ; Vesala, Timo ; Spano, Donatella ; Pigeon, Gregoire ; Freer-Smith, Peter ; Staszewski, Tomasz ; Hodges, Nick ; Mills, Gerald ; Cartalis, Constantinos Sustainable urban metabolism as a link between bio-physical sciences and urban planning: The BRIDGE project The BRIDGE project Landscape and Urban Planning, Vol 112 ; p 100-117, 2013, doi.org/10.1016/j.landurbplan.2012.12.005.

MULTI-GROUPES

GMGEC-CEN-2013-AP-1 : Varenne, F., M. Silberstein, et co-auteurs, 2013 : Modéliser & simuler. Epistémologies et pratiques de la modélisation et de la simulation, Tome 1. Collection "Sciences & Philosophie", Silberstein Eds, 974pp. (Brun, E., H. Douville, et S. Morin, contributions d'auteurs)

THESES

2013

GMAP

GMAP-2013-AP-2 : Martinet, P., 2013 : "Apport des observations IASI pour la description des variables nuageuses du modèle AROME dans le cadre de la campagne HyMeX" le 24 septembre 2013.

GMAP-2013-AP-3 : Vincensini, A., 2013 : "Contribution du sondeur IASI à l'estimation des paramètres des surfaces continentales pour la prévision numérique du temps" le 19 décembre 2013.

GMEI

GMEI-2013-AP-1 : Depuydt, G., 2013 : "Etude expérimentale in situ du potentiel de lessivage de l'aérosol atmosphérique par les précipitations" . Université Paul Sabatier, soutenue le 09 décembre 2013.

GMEI-2013-AP-2 : Klein, C., 2013 : "Conception et prototypage d'un lidar dédié à l'étude du contenu en eau liquide dans le brouillard" le 20 novembre 2013.

GMGEC

GMGEC-2013-AP-1 : Batte, L., 2013 : "Prévisions d'ensemble à l'échelle saisonnière : mise en place d'une dynamique stochastique" le 23 janvier 2013.

GMGEC-2013-AP-9 : Picot, J., 2013 : « Simulation aux grandes échelles de traînée de condensation dans un milieu atmosphérique stratifié et turbulent » Cerfacs, soutenue le 21 février 2013.

GMGEC-2013-AP-12 : Seferian, R., 2013 : "Impact du changement climatique sur le flux de carbone. Rôle de la variabilité décennale" le 28 juin 2013.

GMME

GMME-2013-AP-2 : De Munck, C., 2013 : "Modélisation de la végétation urbaine et des stratégies d'adaptation au changement climatique pour l'amélioration de confort climatique et de la demande énergétique en ville" le vendredi 8 novembre 2013 à 10h en salle de conférences Joël Noilhan.

GMME-2013-AP-3 : Hally, A., 2013 : « Prévisibilité des épisodes méditerranéens de précipitations intenses : Propagation des incertitudes liées aux paramétrisations de la microphysique des nuages et de la turbulence » Université Paul Sabatier, Soutenue le 13 novembre 2013.

GMME-2013-AP-4 : Parrens, M., 2013 : "Assimilation des données SMOS dans un modèle de surfaces continentales : mise en œuvre et évaluation sur la France" le 4 octobre 2013.

GMME-2013-AP-5 : Pedinotti, V., 2013 : "Préparation à la mission SWOT (Surface Water Ocean Topography) : Apport de l'altimétrie à large fauchée à la modélisation grande échelle des processus hydrologiques et hydrodynamiques en Afrique de l'Ouest" le 21 février 2013.

GMME-2013-AP-6 : Poan, E., 2013 : "Documentation et Interprétation Physique de la Variabilité Intrasaisonnière de la Mousson Africaine ; Application à la Prévision" le 3 décembre 2013.

CEN

CEN-2013-AP-1 : Carmagnola, C., 2013 : Mesure, analyse et modélisation des processus physiques du manteau neigeux sec, Laboratoire de Glaciologie et Géophysique de l'Environnement, soutenue le 22 novembre 2013.

HDR

Habilitations à Diriger des Recherches

2013

GMGEC

GMGEC-2013-AP-2 : Brun, E., 2013 : "Etude et modélisation des interactions neige-climat" le 4 novembre 2013.