



CNRM, UMR 3589



PUBLICATIONS / PRODUCTIONS

du laboratoire

CNRM, UMR 3589

ANNEE 2016

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...).

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

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ACL

**Articles dans des revues internationales ou nationales avec comité de lecture
répertoriées par l'AERES ou dans les bases de données internationales
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2016

GMAP

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GMAP-2016-ACL-9 : Ingleby, B. , P. Pauley, A. Kats, J. Ator, D. Keyser, A. Doerenbecher, E. Fucile, J. Hasegawa and E. Toyoda, T. Kleinert, W. Qu, J. St James, W. Tennant, R. Weedon. Progress towards high-resolution, real-time radiosonde reports. Bulletin of the American Meteorological Society, Volume : 97, Issue : 11, Pages : 2149-2161, Doi : 10.1175/BAMS-D-15-00169.1. Published : NOV 2016.

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ACLN

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



2016

GMAP

GMAP-2016-ACLN-1 : Dombrowski-Etchevers, V. Vionnet, L. Quéno :La prévision météorologique à l'échelle kilométrique au service de la nivologie, La Météorologie, soumis

GMGEC

GMGEC-2016-ACLN-1 : Cattiaux, J., F. Chauvin, H. Douville, A. Ribes, 2016 : Des bulletins météo extrêmes à prévoir. La Recherche. N° 517.

GMGEC-2016-ACLN-2 : Chevallier, M., Salas y Méliá, D., 2016. Prévoir la couverture de banquise en Arctique : quel potentiel ? Quelle utilité ? La Météorologie, N° 92, Doi : 10.4267/2042/58219.

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GMGEC-2016-ACLN-4 : Déqué M., Alias A., Somot S., Nuissier O. (2016) Climate change and extreme precipitation: the response by a convection-resolving model. Research activities in atmospheric and oceanic modelling. CAS/JSC Working group on numerical experimentation. Report No.46 (available at http://www.wcrp-climate.org/WGNE/blue_book.html)

GMGEC-2016-ACLN-5 : Marécal, V. et B. Josse, 2016: Pollution de l'air: encore pire avec le changement climatique? The Conversation, <https://theconversation.com/pollution-de-lair-encore-pire-avec-le-changement-climatique-68709>.

GMGEC-2016-ACLN-6 : Marécal. V., Impact d'un réchauffement climatique de +2°C sur la qualité de l'air en Europe., Dossier n° 25, 8 mars 2016, Club ViTECC (Villes, Territoires et Changement Climatique), I4CE - Institute for Climate Economics, pages 11-17.

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GMGEC-2016-ACLN-9 : Salas y Méliá, D. (2016). 2016, toujours plus chaud. The Conversation, <https://theconversation.com/2016-toujours-plus-chaud-64635>

GMGEC-2016-ACLN-10 : Somot S., Jordà G., Harzallah A., Darmaraki S. (2016) The Mediterranean Sea in the future climate projections (sub-chapter 1.2.3). In: The Mediterranean region under climate change: A scientific Update, Editor: IRD edition, Marseille 2016, ISBN : 978-2-7099-2219-7



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CEN

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ASCL

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GMAP-2016-ASCL-3 : Fallet, C., J.-F. Mahfouf, A. Hauchecorne, R. Mathieu, T. Martin, & N. Capet (2016) : Future nanostallite constellation for radio occultation measurements. Proceedings of the 16th ESA living planet symposium, Prague (République Tchèque), 9-13 Mai 2016, 8 pp.

GMGEC

GMGEC-2016-ASCL-1 : Blechschmidt, A.-M., Arteta, J., Coman, A., Curier, L., Eskes, H., Foret, G., Gielen, C., Hendrick, F., Marécal, V., Meleux, F., Parmentier, J., Peters, E., Pinardi, G., Piters, A. J. M., Plu, M., Richter, A., Sofiev, M., Valdebenito, A. M., Van Roozendaal, M., Vira, J., Vlemmix, T., and Burrows, J. P., 2016 : Comparison of tropospheric NO₂ columns from MAX-DOAS retrievals and regional air quality model simulations. Atmos. Chem. Phys. Discuss., doi:10.5194/acp-2016-1003.

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GMME

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CEN

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CEN-2016-ASCL-4 : Guyomarch, G., V. Vionnet, M. Lafaysse, G. Giraud, Y. Deliot and F. Naaim-Bouvet, 2016 : Description and Evaluation of the New French Operational Chain of Models for Avalanche Hazard Forecasting Incorporating a Drifting Snow Scheme. Proceedings of the International Snow Science Workshop 2016, Breckenridge, Colorado, Pages: 1237-1244, Published: 2016.

CEN-2016-ASCL-5 : Hagenmuller, P., T. Pilloix and Y. Lejeune, 2016 : Inter-Comparison of Snow Penetrometers (Ramsonde, Avatech SP2 and SnowMicroPen) in the Framework of Avalanche Forecasting. Proceedings of the International Snow Science Workshop 2016, Breckenridge, Colorado, Pages: 32-38, Published: 2016.

CEN-2016-ASCL-6 : Hagenmuller, P., 2016 : Matching of Vertical Snow Profiles. Proceedings of the International Snow Science Workshop 2016, Breckenridge, Colorado, Pages: 695-699, Published: 2016.

CEN-2016-ASCL-7 : Müller, K., T. Stucki, C. Mitterer, P. Nairz, H. Konetschny, T. Feistl, C. Coleou, F. Berbenni and I. Chiambretti, 2016 : Towards an Improved European Auxiliary Matrix for Assessing Avalanche Danger Levels. Proceedings of the International Snow Science Workshop 2016, Breckenridge, Colorado, Pages: 1229-1231, Published: 2016.

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C-INV

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



2016

GMAP

GMAP-2016-C-INV-1 : Pannekoucke, O. : Multi-scale issues in Data-assimilation for geophysical applications, Workshop on Multiscale Modeling and its Applications: From Weather and Climate Models to Models of Materials Defects, April, 25-29, 2016, Fields Institute.

GMAP-2016-C-INV-2 : Mahfouf, J.-F.: Data assimilation for NWP at Météo-France: current status and plans towards an increased usage of active instruments. Workshop on CALIPSO-CLOUDSAT 10-year progress assessment and path forward, 8-10 Juin 2016, Paris (France)

GMAP-2016-C-INV-3 : Mahfouf, J.-F.: Assimilation de données pour la prévision numérique du temps à Météo-France. Séminaire interne CEA/DAM, 29 Juin 2016, Bruyères le Châtel (France)

GMAP-2016-C-INV-4 : Desroziers, G. : A posteriori diagnostics. Invited seminar at the Met Office. January, 28, 2016, Exeter (UK).

GMAP-2016-C-INV-5 : Desroziers, G. : Development of 4DEnVar at Météo-France. Blueprints for Next-Generation Data Assimilation Systems Workshop. March, 8-10, 2016, Boulder (USA).

GMAP-2016-C-INV-6 : Desroziers, G. : Development of 4DEnVar at Météo-France. SIAM Conference on Parallel Processing for Scientific Computing. April, 12-15, 2016, Paris (France).

GMAP-2016-C-INV-7 : Desroziers, G. : A posteriori diagnostics, International Symposium on Data Assimilation, July, 18-22, 2016, Reading University (UK).

GMAP-2016-C-INV-8 : Berre, L. : Simulation of error cycling, International Symposium on Data Assimilation, July, 18-22, 2016, Reading University (UK).

GMAP-2016-C-INV-9 : Bazile, E. : Overview of the Météo-France NWP system: toward a seamless physics package 4th International Workshop on Next-Generation NWP Models 23-28 mai Jeju (Corée du Sud)

GMAP-2016-C-INV-10 : E. Bazile: GABLS4 preliminary results 4th International Workshop on Next-Generation NWP Models 23-28 mai Jeju (Corée du Sud)

GMGEC

GMGEC-2016-C-INV-1 : Batté, L. Perturbing the atmosphere in coupled seasonal forecasts: lessons from CNRM-CM and EC-Earth. ECOMS International Conference, Exeter (UK), October 2016.

GMGEC-2016-C-INV-2 : Planton S., 2016 : Des représentations du vivant dans la simulation du climat. Colloque « Représenter le vivant », 15 juin 2016, Toulouse.

GMGEC-2016-C-INV-3 : Planton S., 2016 : Le changement climatique et ses effets sur les précipitations. Journée Scientifique de l'association « Météo et Climat », 29 novembre 2016, Paris.

GMME

GMME-2016-C-INV-1 : Calvet, J.-C., Climate services / Earth observation, Conference on Horizon 2020 – Climate challenges and Austrian-French research partnerships, Institut français d'Autriche, 15 avril, Vienne, 2016.

GMME-2016-C-INV-2 : Ducrocq, V., Advances in understanding and forecasting of heavy precipitation in Mediterranean through the Hydrological cycle in the Mediterranean Experiment (HyMeX), « Come rain or Come Shine » conference, Royal Meteorological Society - 19 Octobre 2016, Londres

GMME-2016-C-INV-3 : Ducrocq, V., Les risques hydrométéorologiques en Méditerranée. Grand séminaire de l'Observatoire Midi-Pyrénées, 13 décembre 2016, Toulouse.



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MULTI-GROUPES

GMME-GMGEC-GMAP-C-INV-2016-1 : Calvet, J.-C., C. Albergel, A. L. Barbu, D. Carrer, B. Decharme, H. Dewaele, D. Fairbairn, E. Gelati, N. Laanaia, D. Leroux, J.-F. Mahfouf, C. Meurey, M. Minvielle, S. Munier, C. Szczypta: Use of SURFEX for large scale hydrology and drought monitoring, HyMeX Workshop on Drought and Water Resources, Zaragoza (Spain), 5-7 April 2016.



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C-ACTI

Communications avec actes dans un congrès international



2016

GMAP

CEN-GMAP-2016-C-ACTI-1 : Vionnet, V., L. Queno, I. Dombrowski Etchevers, M. Lafaysse, Y. Seity, M. Dumont, E. Bazile, and F. Karbou : Snowpack Modeling in the French Mountains Driven by Short-Range High-Resolution Weather Forecasts. 17th AMS Conference on Mountain Meteorology, Vermont (USA), June 2016

CEN-GMAP-2016-C-ACTI-2 : Quéno, L., Vionnet V., Vrécourt D., Lafaysse M., Dombrowski-Etchevers I. : "Précipitations surfondues et formation de couche de glace à la surface du manteau neigeux dans les Pyrénées", Journées Glaciologie – Nivologie – Eau en Montagne, Société Hydrotechnique de France, Grenoble, 8 mars 2016

CEN-GMAP-2016-C-ACTI-3 : Quéno, L., Vionnet V., Karbou F., Dombrowski-Etchevers I., Lafaysse M., Dumont M. : "Using kilometeric-resolution meteorological forecasts and satellite-derived incoming radiations for snowpack modelling in complex terrain", 2nd INARCH workshop, Grenoble, 17 octobre 2016.

CEN-GMAP-2016-C-ACTI-4 : Payan, C. : The satellite winds in the operational NWP system at Météo-France, 13th International Winds Workshop, 27 June - 1 July, 2016, Monterey, California, USA.

GMEI

GMEI-2016-C-ACTI-1 : Martinet, P., A. Dabas, V. Lever, P. Flamant, H. Dorit : Aerosol Products from the future space lidar AEOLUS, 27th International Laser Radar Conference, EPJ Web of Conferences 119, 04001 (2016), <http://dx.doi.org/10.1051/epjconf/20161190400>

GMEI-2016-C-ACTI-2 : Sabatier, T., A. Paci, A. Dabas, JM. Donier, T. Douffet, Y. Llargeron, Q. Rodier, G. Canut, O. Garrouste, R. Guillot, C. Lac, V. Masson (2016) : Wintertime circulation in the Chamonix-Mont-Blanc valley from scanning wind lidar measurements (Passy-2015 eld experiment), International Symposium for the Advancement of boundary layer Remote Sensing (ISARS 2016), 6-9 June 2016, Varna, Bulgaria.

GMEI-2016-C-ACTI-3 : Paci A., C. Staquet et al. (2016) : The Passy-2015 eld experiment : wintertime atmospheric dynamics and air quality in a narrow alpine valley, EGU 2016, 17 - 22 April 2016, Vienna, Austria.

GMEI-2016-C-ACTI-4 : Lahaye N., A. Paci and S. Llewellyn Smith (2016) : Instabilities of surface lenticular vortices : results from laboratory experiments and numerical simulations, EGU 2016, 17 - 22 April 2016, Vienna, Austria.

GMEI-2016-C-ACTI-5 : Llewellyn-Smith S., N. Lahaye and A. Paci (2016) : Instability of an anticyclonic vortex in a two-layer rotating uid, Ocean Science Meeting 2016, New Orleans, USA.

GMEI-2016-C-ACTI-6 : Wind gust measurements using pulsed Doppler wind-lidar : comparison of direct and indirect techniques, Irene E. Suomi, L. Rottner, E. O'Connor, S. E. Gryning, A. Sathe, 22nd Symposium on Boundary Layers and Turbulence, Salt Lake city, Etats-Unis, juin 2016



GMGEC

GMGEC-2016-C-ACTI-1 : El Amraoui, L., B. Sic, J.-L. Attié, P. Ricaud, R. Zbinden : Caractérisation de la pollution particulaire dans le cadre du projet ChArMEx : Apport de l'assimilation de différents produits d'aérosols, Colloque Francophone Combustion et Pollution Atmosphérique, COMPOLA2016, Saïdia, Maroc, 12 -15 Avril 2016

GMGEC-2016-C-ACTI-2 : Nabat, P., Somot, S., Mallet, M., Sevault, F., and Michou, M. (2016). Air Pollution Modeling and its Application XXIV, chapter Aerosol Variability and Weather Regimes over the Mediterranean Region, Springer International Publishing, Ed. D. G. Steyn and N. Chaumerliac, pages 73-78, DOI:10.1007/978-3-319-24478-5_15.

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GMEI-GMAP-GMME-2016-C-ACTI-1 : Rodier Q., V. Masson, A. Paci, G. Canut and P. Marquet (2016) : Large turbulent potential and kinetic energies parameterization, BLT 2016, Salt Lake City, Utah, USA

GMGEC-GMME-2016-C-ACTI-2 : Basart, S., Dulac, F., Baldasano, J.M., Nabat, P., Mallet, M., Solmon, F., Laurent, B., Vincent, J., Menut, L., El Amraoui, L., Sic, B., Chaboureau, J.-P., Léon, J.-F., Schepanski, K., Renard, J.-B., Ravetta, F., Pelon, J., Di Biagio, C., Formenti, P., Chiapello, I., Roujean, J.-L., Ceamanos, X., Carrer, D., Sicard, M., Delbarre, H., Roberts, G., Junkermann, W. and Attié, J.-L. (2016). Air Pollution Modeling and its Application XXIV, chapter Extensive Comparison Between a Set of European Dust Regional Models and Observations in the Western Mediterranean for the Summer 2012 Pre-ChArMEx/TRAQA Campaign, Springer International Publishing, Ed. D. G. Steyn and N. Chaumerliac, pages 79-83, DOI:10.1007/978-3-319-24478-5_13.



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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.



2016

GMAP

GMAP-2016-AP-1 : Arbogast, E., G. Desroziers and L. Berre: A parallel implementation of En-4DVar. International Symposium on Data Assimilation, July, 18-22, 2016, Reading University (UK).

GMAP-2016-AP-2 : Bell, W., S. Buehler, S. Crewell, P. Eriksson, J.-F. Mahfouf, F. S. Marzano, C. Prigent & R. Tonboe : MWI-ICI Science Plan: a report from the MWI-ICI Science Advisory Group, EUMETSAT-ESA report, 98 pp

GMAP-2016-AP-4 : Chabot, V., L. Berre, G. Desroziers: Diagnosis and normalisation of wavelet-induced background error variances. International Symposium on Data Assimilation, July, 18-22, 2016, Reading University (UK).

GMAP-2016-AP-9 : Ottlé C., Mahfouf, J.-F. (2016). Assimilation de données spatiales, Baghdadi N. et Zribi M. (eds), Observation des surfaces continentales par télédétection micro-onde: Techniques et méthodes, volume 2, Elsevier Editeur, 20 pp. (sous presse)

GMAP-2016-AP-10 : Ottlé C., Mahfouf, J.-F. (2016). Data assimilation of satellite observations. Baghdadi N. et Zribi M. (eds), Microwave remote sensing of land surfaces: techniques and methods, volume 2, Elsevier Editor, 20 pp. (sous presse)

GMAP-2016-AP-11 : Pannekoucke, O. ; Emili, E. & Thual O., Modeling of local length-scale dynamics and isotropizing deformations: formulation in natural coordinate system, in Mathematical and Computational Approaches in Advancing Modern Science and Engineering, Springer, 2016. doi: 10.1007/978-3-319-30379-6_14

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GMGEC-2016-AP-2 : El Amraoui, L. et al., Assimilation of different aerosol products during the different CHARMEX field campaigns. International conference on Atmospheric Processes in the Mediterranean (APM 2016), Cyprus, Greece, 17-21 October 2016

GMEI

GMEI-2016-AP-1 : Brito, J., J. Duplissy, C. Denjean, E. Freney, R. Dupuy, T. Bourriane, F. Burnet, P. Chazette, P. Dominutti, A. Borbon, A. Colomb, K. Sellegri, C. Flamant, P. Knippertz and A. Schwarzenboeck, Aerosol physical-chemical properties in Southern West Africa: Recent findings using the SAFIRE ATR42 aircraft within the DACCIIWA project, European Aerosol Conference, Tours, France, 2016.

GMEI-2016-AP-2 : Canut, G., P.Martinet, A.Paci, T. Sabatier, F.Troude : Diurnal cycle and turbulence evaluated by remote sensing and numerical weather prediction model during a winter stable period, 18th International Symposium for Advancement of boundary-layer Remote Sensing (ISARS2016), 6-9 juin 2016, Varna, Bulgarie

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GMEI-2016-AP-4 : Canut G., Brilouet P.E, Durand P., 2016, The marine atmospheric boundary layer during the HyMeX/ASICS-MED campaign: observations and simulations under strong wind conditions, EMS, 12-16 Sept, Trieste, Italy

GMEI-2016-AP-5 : Cimini,D., F. De Angelis, P. Martinet, O. Caumont, U. Lohnert: Towards data assimilation from a continental-scale network of ground-based microwave radiometers into NWP, 18th International Symposium for Advancement of boundary-layer Remote Sensing (ISARS2016), 6-9 juin 2016, Varna, Bulgarie

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GMEI-2016-AP-9 : De Angelis, F., D. Cimini, J. Hocking, P. Martinet, S. Kneifel: RTTOV-gb - Adapting the fast radiative transfer model RTTOV for the assimilation of ground-based microwave radiometer observations, 18th International Symposium for Advancement of boundary-layer Remote Sensing (ISARS2016), 6-9 juin 2016, Varna, Bulgarie

GMEI-2016-AP-10 : Martinet, P., A. Dabas, F. De Angelis, D. Cimini, G. Canut, A. Paci : Temperature retrievals in the boundary layer using ground-based microwave radiometers, ISARS conference, 18th International Symposium for Advancement of boundary-layer Remote Sensing (ISARS2016), 6-9 juin 2016, Varna, Bulgarie

GMEI-2016-AP-12 : Rieutord, T., Baehr, C., Rottner, L., : Doppler lidar based reconstruction for fast estimation of turbulence : contribution and validation, ISARS conference, 18th International Symposium for Advancement of boundary-layer Remote Sensing (ISARS2016), 6-9 juin 2016, Varna, Bulgarie

GMEI-2016-AP-13 : Rottner, L., Suomi, I., Rieutord, T., Baehr, C., Gryning, S-E. : Real time turbulence and wind gust estimation from wind lidar observations using the turbulence reconstruction method. ISARS conference, 18th International Symposium for Advancement of boundary-layer Remote Sensing (ISARS2016), 6-9 juin 2016, Varna, Bulgarie

GMEI-2016-AP-14 : Rottner, L., C. Baehr, F. Couvreur, G. Canut, T. Rieutord : A stochastic downscaling method for sub-grid turbulence modeling, Workshop BLLAST, Wageningen, Pays-Bas, février 2016

GMEI-2016-AP-15 : Shang, X., P. Chazette, C. Flamant, J. Totems, C. Denjean, R. Meynadier, T. Perrin and M. Laurent, Aerosol study over the Gulf of Guinea region during DACCIIWA using a mini lidar onboard the French aircraft ATR42, American Aerosol Conference, San Francisco, USA, 2016.

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GMME-2016-AP-5 : Ducrocq V., 2016 : Climate change in the Mediterranean region” chapter, in “The Mediterranean region under climate change – A scientific update”, Editions IRD, 2016 (chapter coordination), 71-104. ISBN 978-2-7099-2219-7.

GMME-2016-AP-7 : Jarlan L., S. Khabba, C. Szczypta, Z. Lili-Chabaane, F. Driouech, M. Le Page, L. Hanich, Y. Fakir, A. Boone, and G. Boulet, 2016: Water resources in South Mediterranean catchments : assessing climatic drivers and impacts. In : Thiébaud S. (ed.), Moatti Jean-Paul (ed.). The Mediterranean region under climate change : a scientific update. Marseille : IRD ; AllEnvi, p. 303-309. (Synthèses). ISBN 978-2-7099-2219-7.



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GMEI-GMGEC-2016-AP-1 : Benavent-Oltra, J.-A., R. Román, Granados-Muñoz, D. Pérez-Ramírez, M. J. P Ortiz-Amezcu, J.L. Guerrero-Rascado, A. Lopatin, C. Denjean, B. Torres, D. Fuertes, O. Dubovik, H. Lyamani, F.J. Olmo, M. Mallet and L. Alados-Arboledas, Atmospheric aerosol microphysical profiling: GRASP retrieval versus airborne measurements, ACTRIS-2 WP2 Workshop, Barcelona, Spain, 2016.

GMEI-GMGEC-2016-AP-2 : Denjean, C., L. El Amraoui, B. Sic and T. Bourriane, Assimilation of satellite aerosol data in the MOCAGE chemistry transport model: Evaluation using independent airborne measurements over the Mediterranean, International conference on Atmospheric Processes in the Mediterranean, Cyprus, Greece, 2016

GMEI-GMGEC-2016-AP-3 : Denjean, C., M. Mallet, P. Formenti, T. Bourriane, G. Roberts, M. Mazoyer, G. Momboisse, S. Triquet, S. Chevaillier and N. Grand, Vertical distribution of dust CCN properties in the Mediterranean: role of aerosol mixing state and implications for CCN parameterization, International conference on Atmospheric Processes in the Mediterranean, Cyprus, Greece, 2016.

GMEI-GMGEC-2016-AP-4 : Di Sarra, A., G. Brogniez, D. Melon, T. Di Iorio, D. Sferlazzo, C. Denjean, L. De Silvestri, N. Kouremeti, M. Mallet, P. Formenti, J. Gröbner and G. Pace: Measurements and radiative transfer model simulations of SW and LW irradiance and brightness temperature profiles above Lampedusa supersite during the ChArMEx/ADRIMED campaign, International Radiation Symposium, New Zealand, 2016

GMGEC-GMEI-2016-AP-5 : Nabat, P., M. Mallet, C. Denjean, M. Michou, B. Laurent and S. Somot, Evaluation of the CNRM-RCSM regional climate model over the Mediterranean in the framework of the ChArMEx/ADRIMED field campaign, International conference on Atmospheric Processes in the Mediterranean, Cyprus, Greece, 2016.

GMME-GMGEC-2016-AP-7 : Vischel, T., Panthou G., Peyrillé P., Roehrig R., Quantin G., Lebel T., C. Wilcox, F. Beucher, M. Budiarti: Precipitation extremes in the West African Sahel: recent evolution and physical mechanisms. Chapter in Vuruputur et al., Elsevier S&T Books



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THESES



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GMAP

GMAP-2016-AP-5 : Colvalope, C., 2016 : "Étude des schémas de discrétisation temporelle "Explicite Horizontal, Implicite Vertical" dans une dynamique non-hydrostatique pleinement compressible en coordonnée masse" le 5 décembre 2016. Accès au résumé.

GMAP-2016-AP-6 : Guerbette, J., 2016 : "Modélisation et assimilation d'observations satellitaires micro-ondes dans les systèmes dépressionnaires tropicaux" le 4 avril 2016. Accès au résumé et au mémoire.

GMEI

GMEI-2016-AP-7 : Clayes, M., 2016 : "Modélisation des aérosols marins et de leur effet radiatif direct sur le bassin méditerranéen dans le cadre du projet ChArMEx" le 7 juillet 2016. Accès au résumé et au mémoire.

GMEI-2016-AP-11 : Mazoyer, M., 2016 : "Impact du processus d'activation sur les propriétés microphysiques des brouillards et sur leur cycle de vie" le 1er avril 2016. Accès au résumé et au mémoire. le 17 octobre 2016. Accès au résumé et au mémoire.

GMGEC

GMGEC-2016-AP-3 : Waldman, R., 2016 : "Etude multi-échelle de la convection océanique profonde en mer Méditerranée : de l'observation à la modélisation climatique" le 16 décembre 2016. Accès au résumé.

GMGEC-2016-AP-4 : Zamo, M., 2016 : "Statistical post-processing of deterministic and ensemble wind speed forecasts on a grid" le 15 décembre 2016. Accès au résumé.

GMME

GMME-2016-AP-1 : Augros, C., Apport des données polarimétriques radar pour un modèle atmosphérique à échelle convective, Thèse de l'Université de Toulouse, soutenue le 19 mai 2016 à Toulouse.

GMME-2016-AP-6 : Edouard, S., 2016 : "Prévision d'ensemble des crues rapides méditerranéennes". Thèse de l'Université de Toulouse, soutenue le 9 décembre 2016 à Toulouse

GMME-2016-AP-8 : Napoly, A., 2016 : "Apport de paramétrisations avancées des processus liés à la végétation dans les modèles de surfaces pour la simulation des flux atmosphériques et hydrologiques" Thèse de l'Université de Toulouse, soutenue le 8 décembre 2016 à Toulouse

GMME-2016-AP-11 : Couto, F. T. : Study of different atmospheric environments associated to storms development in the Madeira Island. Thèse de l'Université d'Evora - label Européen. Soutenue le 7 juillet 2016 à Evora, Portugal.



CEN

CEN-2016-AP-1 : Birman, C., 2016 : "Apport des observations micro-ondes à la caractérisation des précipitations à méso-échelle" le 11 février 2016. Accès au résumé et au mémoire.

CEN-2016-AP-2 : Spandre, P., 2016 : "Observation et modélisation des interactions entre conditions d'enneigement et activité des stations de sports d'hiver dans les Alpes françaises" le 5 décembre 2016.

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GMME-GMAP-2016-AP-6 : Philip, A., 2016 "Apport d'une résolution verticale plus fine dans le calcul des tendances physiques pour la modélisation du brouillard dans le modèle AROME", Thèse de l'Université de Toulouse, soutenue le 17 octobre 2016 à Toulouse



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HDR

Habilitations à Diriger des Recherches



2016

GMAP

GMAP-2016-AP-3 : Berre, L., 2016 : "Estimation et modélisation des covariances d'erreur d'ébauche en assimilation de données" le 23 mars 2016. HDR

GMAP-2016-AP-7 : Marquet, P., 2016 : "Étude de l'énergétique de l'air humide et des paramétrisations physiques de l'atmosphère" le 28 juin 2016. HDR

GMAP-2016-AP-8 : Michel, Y., 2016 : "Représentation des incertitudes et assimilation de données pour la prévision numérique du temps" le vendredi 1er juillet 2016 à 14h au CIC - Toulouse. HDR

GMME

GMME-2016-AP-2 : Boone, A., 2016 : "Modélisation de l'interface surface continentale-hydrologie-atmosphère" le 27 mai 2016. Accès au résumé.

GMME-2016-AP-3 : Caumont, O., 2016 : "Utilisation de données de télédétection depuis le sol pour la prévision numérique de la convection profonde à fine échelle" le vendredi 17 juin 2016. Accès au résumé.

GMME-2016-AP-9 : Nuissier, O., 2016 : "Prévisibilité des phénomènes convectifs intenses de l'échelle convective à l'échelle climat régional" le 10 mai 2016. Accès au résumé.

GMME-2016-AP-10 : Ricard, D., 2016 : "Modélisation numérique de phénomènes météorologiques extrêmes" le 9 mai 2016. Accès au résumé.