



# Modeling for Sustainable Development Chair (MPDD)

## Publications (2010-2018)

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- [A1] **Aglietta M., Hourcade J-C, Jaeger, C. Perrissin Fabert B.** 2015, *Financing transition in an adverse context: climate finance beyond carbon finance*, International Environmental Agreements: Politics, Law and Economics, Vol 15, Issue 4 (November), pp: 403-420
- [A2] **Allio, C., Waisman, H., Hourcade, J-C.** 2013. *Les actions locales dans la transition post carbone : une simulation des effets macroéconomiques*, Futuribles 392 : 61-76,
- [A3] **Allio, Cédric.** 2016. *Interurban population distribution and commute modes*. The Annals of Regional Science 57 (1): 125-44. doi:10.1007/s00168-016-0766-5.
- [A4] **Allio, Cédric.** 2016. *Local Labor Markets in a New Economic Geography Model*. The Review of Regional Studies 46 (1): 1-36.
- [A5] **Audoly, R., Vogt-Schilb, A., Guivarch, C., Pfeiffer, A.** 2018. *Pathways toward zero-carbon electricity required for climate stabilization*. Applied Energy 225 : 884-901.
- [A6] **Bataille, C., Guivarch, C., Hallegatte, S., Rogelj, J., Waisman, H.** 2018. *Carbon prices across countries*. Nature Climate Change 8, 648–650.
- [A7] **Bauer Nico, Valentina Bosetti, Meriem Hamdi-Cherif, Alban Kitous, David L Mccollum, et al.** *CO2 emission mitigation and fossil fuel markets: Dynamic and international aspects of climate policies*. Technological Forecasting and Social Change, Elsevier, 2015, 90 (A), pp.243-256
- [A8] **Bauer, N., Bosetti, V., Calvin K., Hamdi-Cherif, M., Kitous, A., McCollum, D., Mejean, A., Shilpa, R., Turton, H., Paroussos, L., Ashina, S., Wada, K.,** 2015, *CO2 emission mitigation and fossil fuel markets: Dynamic and international aspects of climate policies*. Technological Forecasting and Social Change, Vol 90, Part A, pp. 243-256
- [A9] **Bauer, N., Bosetti, V., Calvin, K., Hamdi-Cherif, M., Kitous A., Loyd, D., Mccollum D., Mejean, A., Rao, S., Turton H., Paroussos, L., Ashina S., Wada, K., Van Vuuren, D.,** *CO2 emission mitigation and fossil fuel markets: Dynamic and international aspects of climate policies*, Submitted to Technological Forecasting & Social Change, 2013 (révision favorable)
- [A10] **Benveniste, H., O. Boucher, C. Guivarch, H. Le Treut, P. Criqui.** 2018. *Impacts of nationally determined contributions on 2030 global greenhouse gas emissions : uncertainty analysis and distribution of emissions*. Environmental Research Letters 13(1), IOP Publishing. app de visualisation des résultats.
- [A11] **Berry Audrey,** *Measuring energy poverty: uncovering the multiple dimensions of energy poverty?* CIRED Working Papers, WP 2018-69
- [A12] **Berry, A., Jouffe, Y., Guivarch, C., Coulombel, N.** 2015. *Comment mesurer la précarité énergétique en matière de transport*. La Revue de l'énergie n° 625, 203-209
- [A13] **Bibas Ruben, Aurélie Méjean, Meriem Hamdi-Cherif.** *Energy efficiency policies and the timing of action: An assessment of climate mitigation costs*. Technological Forecasting and Social Change, Elsevier, 2015, 90 (4), pp.137-152

- [A14] **Bibas, R., Méjean, A., Hamdi-Cherif, M.** 2015, *Energy efficiency policies and the timing of action : An assessment of climate mitigation costs*, Technological Forecasting and Social Change, (90), part A, pp.137-152
- [A15] **Bibas, R., Mejean, A.,** *Potential and limitations of bioenergy options for low carbon transitions*, submitted to Climatic Change 2013 (révision favorable)
- [A16] **Bonvin Gratién, Demasse Sophie, Le Pape Claude, Maïzi Nadia, Mazauric Vincent, Samperio Alfredo.** *A convex mathematical program for pump scheduling in a class of branched water networks*. Applied Energy, Elsevier, 2016, pp.In Press.
- [A17] **Bouckaert, S., Assoumou E., Selosse, S. And Maizi N.** *A prospective analysis of power plants waste heat management and water conservation issues*, Submitted to Applied Energy. 2013 (révision favorable)
- [A18] **Bouckaert, S., Selosse, S., Dubreuil, A., Assoumou, E., Maizi, N.** 2012. *Analyzing Water Supply in Future Energy Systems Using the TIMES Integrating Assessment Model (TIAM-FR)*, Journal of Systemics, Cybernetics and Informatics 10(1):89–94.
- [A19] **Branger, F., Giraudet, L.-G., Guivarch, C., Quirion, P.** 2015. *Global sensitivity analysis of an energy-economy model of the residential building sector*. Environmental Modelling & Software, Volume 70, Pages 45-54.
- [A20] **Brunelle, T.,** 2015, *Vers une prospective des impacts du changement climatique sur la sécurité alimentaire : les enseignements du 5ème rapport du GIEC*. Revue AE&S vol.5, n°1, 3
- [A21] **Brunelle, T., Dumas, P., Souty, F., Dorin, B. and Nadaud, F.** 2015, *Evaluating the impact of rising fertilizer prices on crop yields*. Agricultural Economics
- [A22] **Brunelle, T., Dumas, P., Souty, F.,** *The impact of globalization on food and agriculture: the case of the diet convergence*, Journal of Environment and Development (forthcoming)
- [A23] **Cassen C., Céline Guivarch, Franck Lecocq.** *Les cobénéfices des politiques climatiques : un concept opérant pour les négociations climat ?* Natures Sciences Sociétés, EDP Sciences, 2015, pp. S41 - S51
- [A24] **Cassen Christophe, Meriem Hamdi-Cherif, Giancarlo Cotella, Jacopo Toniolo, Patrizia Lombardi, et al.** *Low Carbon Scenarios for Europe: An Evaluation of Upscaling Low Carbon Experiments*. Sustainability, MDPI, 2018, 10 (3)
- [A25] **Cassen, C., Gracceva, F.,** *Energy Security in Low-Carbon Pathways*, in Grüning M., Lombardi, P. (ed), *Low Carbon Energy from a European Perspective*, Elsevier
- [A26] **Cayla, J.-M., Maizi, N.** *Which households will have to pay to reduce CO2 emissions? : Integrating behavior and heterogeneity into the TIMES-households model*. Submitted to Energy Policy. 2013 (révision favorable)
- [A27] **Cayla, J.-M., Maizi, N., Marchand, C.** 2012. *The role of income in energy consumption behaviour: Evidence from French households data*, Energy Policy, Vol. 39, N°40, pp. 7874-7883, 2011.
- [A28] **Coatalem Martin, Mazauric Vincent, Le Pape Claude, Maïzi Nadia,** *Optimizing industries' power generation assets on the electricity markets*, Applied Energy, 2016, Available online 21 January 2016.
- [A29] **Combet, E., Gherzi, F., Hourcade, JC., Thubin, C.,** "La fiscalité carbone au risque des enjeux d'équité" ; annexes téléchargeables, 2010, Revue française d'économie, Vol XXV, octobre, 59-91.
- [A30] **Daniel M., A Lemonsu, V Viguié.** 2018. *Role of watering practices in large-scale urban planning strategies to face the heat-wave risk in future climate*, Urban Climate,23, 287-308
- [A31] **Didelot Alice, Maïzi Nadia, Mazauric Vincent, Assoumou Edi and Selosse Sandrine.** *Balancing Energy Efficiency and Fossil Fuel: The role of carbon pricing*, Energy Procedia, 2016
- [A32] **Dubreuil, A., Assoumou, E., Bouckaert, S., Selosse, S., Maizi, N.** 2013. *Water modeling in a energy optimization framework - The water-scarce middle east context*, Applied Energy 101:268–279.
- [A33] **Duquesnoy, S., Rozenberg, J., Hourcade, J.-C.** 2011. *Crise économique et détente sur le marché du pétrole ?* Revue de l'Énergie n°603:305–308.

- [A34] **Edenhofer, O., Carraro, C., Hourcade, J.-C.** 2012. *On the economics of decarbonization in an imperfect world*, Climatic Change 114(1):1-8
- [A35] **Forsell, N., Guerassimoff, G., Athanassiadis, D., Thivolle-Casat, A., Lorne, D., Millet, G., Assoumou, E.** 2013. *Sub-national TIMES model for analyzing regional future use of Biomass and Biofuels in France and Sweden*, Renewable Energy, (Forthcoming)
- [A36] **Guivarch Céline, Christophe Cassen.** *L'atténuation du changement climatique : retour sur le 5e rapport du Giec*. La Météorologie, Météo et Climat, 2015, numéro spécial climat, 88, pp.97
- [A37] **Guivarch Céline, Monjon Stéphanie.** *Identifying the main uncertainty drivers of energy security in a low- carbon world: The case of Europe*. Energy Economics, Elsevier, 2016,
- [A38] **Guivarch, C. and A. Pottier.** 2018. *Climate Damage on Production or on Growth : What Impact on the Social Cost of Carbon ?*. Environmental Modeling & Assessment 23 (2) : 117-130.
- [A39] **Guivarch, C., Crassous, R., Sassi, O., Hallegatte, S.** 2011. *The costs of Climate Policies in a second Best World with Labour Market Imperfections*, Climate Policy 11:768–788.
- [A40] **Guivarch, C., Hallegatte, S., Crassous., R.** 2009. *The resilience of the Indian economy to rising oil prices as a validation test for a global Energy-Environment-Economy CGE model*, Energy Policy 37(11):4259–4266.
- [A41] **Guivarch, C., Monjon, S., Rozenberg, J., Vogt-Schilb, A.** 2015. *Would climate policies improve the European energy security ?*. Clim. Change Econ. 06, 1550008
- [A42] **Guivarch, Céline, Julie Rozenberg, et Vanessa Schweizer.** 2016. *The diversity of socio-economic pathways and CO2 emissions scenarios: Insights from the investigation of a scenarios database*. Environmental Modelling & Software, 80 (juin): 336-53.
- [A43] **Hamdi-Cherif, Meriem. & Waisman, Henri.** *Global carbon pricing and the “Common But Differentiated Responsibilities”: the case of China*, Int Environ Agreements (2016) 16: 671. doi:10.1007/s10784-015-9289-2
- [A44] **Hamdi-Cherif, M., C. Guivarch, Quirion, P.** 2011. *Sectoral targets for developing Countries: Combining Common but Differentiated Responsibilities*, Climate Policy 11(1):731–751.
- [A45] **Hourcade, J.-C.,** 2018, *Le rapport du GIEC sur 1,5 °C : au fait, quelle est la question ?*, Revue de l’Energie, n°640
- [A46] **Hourcade J.-C, Shukla P.R, Cassen C.,** 2015, *Climate policy architecture for the Cancun paradigm shift: building on the lessons from history*, International Environmental Agreements: Politics, Law and Economics, Vol 15, Issue 4 (November), pp: 353-367
- [A47] **Hourcade, J.-C., Shukla, P.-R., Cassen, C.** 2013. *What climate policy architecture in the perspective of the Cancun’s paradigm shift*, International Environmental Agreements, (Forthcoming).
- [A48] **Hugues Paul, Assoumou Edi and Maïzi Nadia.** *Assessing GHG mitigation and associated cost of French biofuel sector: Insights from a TIMES model*. Energy 2016; 113:288–300
- [A49] **Kang Seungwoo, Selosse Sandrine, Maïzi Nadia.** *Is GHG mitigation policy enough to develop bioenergy in Asia: a long-term analysis with TIAM-FR*, International Journal of Oil, Gas and Coal Technology (IJOGCT), 2016 (bientôt disponible en ligne)
- [A50] **Krakovski Vincent, Assoumou Edi, Mazauric Vincent, Maïzi Nadia.** *Feasible path toward 40–100% renewable energy shares for power supply in France by 2050: A prospective analysis*. Applied Energy, Elsevier, 2016, 171, pp.501-522.
- [A51] **Kriegler, E., Riahi, K., Bauer, N., Schwanitz, V., Petermann, N., Bossetti, V., Marcucci, A., Otto, S., Paroussos, L., Rao, S., Arroyo Curras, T., Ashina, S., Bollen, J., Eom, J., Hamdi-Cherif, M., Longden, T., Kitous, A., Mejean, A., Fuminori, S., Schaeffer, M., Wada, K., Capros, P., Van Vuuren, D., Edenhofer, O.** *The AMPERE study on staged accession scenarios for climate policy*, submitted to Technological Forecasting & Social Change 2013 (révision favorable)
- [A52] **Le Cadre, H., Bedo, J.-S.** *Collaborative Learning is Better*, submitted to ANOR: Annals of Operations Research. 2013 (révision favorable)

- [A53] **Le Cadre, H., Mercier, D.** *Is Energy Storage an Economic Opportunity for the Eco-Neighborhood?* Submitted to NETNOMICS: Economic Research and Electronic Networking. 2013 (révision favorable)
- [A54] **Lefevre Julien, William Wills, Jean-Charles Hourcade.** *Combining low-carbon economic development and oil exploration in Brazil? An energy–economy assessment.* Climate Policy, Taylor & Francis, 2018, pp.1 – 10
- [A55] **Li Jun, Hamdi-Cherif Meriem, Cassen Christophe.** *Aligning domestic policies with international coordination in a post-Paris global climate regime: A case for China,* Technological Forecasting and Social Change, Volume 125, December 2017, Pages 258-274
- [A56] **Luderer, G., Bossetti, V., Waisman, H., Jakob, M., Leimbach, M., Stekel, J-C.** 2012. *The Economics of Decarbonizing the Energy System—results and insights from the RECIPE model intercomparison,* Climatic Change 114(1): 9-37
- [A57] **Maïzi Nadia, Bouckaert Stéphanie, Assoumou Edi.** *Long term water and energy issues in european power systems* in J.R. Ziolkowska, J.M. Peterson, editors. Competition for Water Resources: Experiences and Management Approaches in the US and Europe. Elsevier: Cambridge, MA (2016), (ISBN :9780128032374).
- [A58] **Maïzi Nadia.** *Pour une transition énergétique citoyenne.* Futuribles, Association Futuribles, 2016, Tribune
- [A59] **McCollum, D. L., C. Wilson, M. Bevione, S. Carrara, O. Y. Edelenbosch, J. Emmerling, C. Guivarch,** et al. 2018. *Interaction of Consumer Preferences and Climate Policies in the Global Transition to Low-Carbon Vehicles.* Nature Energy 3, 664–673.
- [A60] **Méjean, A., Guivarch, C., Lefèvre, J., Hamdi-Cherif, M.** 2018. *The transition in energy demand sectors to limit global warming to 1.5°C.* Energy Efficiency (online first).
- [A61] **Mejean, A., Lecocq, F., Mulugetta, Y.,** 2015, *Equity, burden sharing and development pathways: reframing international climate negotiations,* Int Environ Agreements 15:387–402
- [A62] **Nassopoulos, H., Dumas, P., Hallegatte, S.,** 2012, *Adaptation to an uncertain climate change: cost benefit analysis and robust decision making for dam dimensioning,* Climatic Change,
- [A63] **Neverre, N., Dumas, P.,** 2015 *Projecting and valuing domestic water use at regional scale: A generic method applied to the Mediterranean at the 2060 horizon,* Water Resources and Economics Volume 11, July 2015, Pages 33–46
- [A64] **Neverre, Noémie, et Patrice Dumas.** 2016. *Projecting Basin-Scale Distributed Irrigation and Domestic Water Demands and Values: A Generic Method for Large-Scale Modeling.* Water Economics and Policy, juin. doi:10.1142/S2382624X16500235.
- [A65] **Ó Broin Eoin, Guivarch Céline.** *Transport infrastructure costs in low-carbon pathways.* Transportation Research Part D: Transport and Environment, Elsevier, 2017, <10.1016/j.trd.2016.11.002>
- [A66] **Perrier, Q., Guivarch, C., Boucher, O.** 2018. *L’objectif « zéro émissions nettes » de l’Accord de Paris : signification et implications.* La Météorologie n°103.
- [A67] **Riahi,K., Kriegler, E., Johnson, N., Bertram, Ch., den Elzen, M., Eome, J.,Schaeffer, M., Edmonds, J., Isaac, M., Krey, V., Longdeng, T., Luderer, G., Méjean, A., McCollum, D-L., Mima, S., Turton, H., van Vuuren, D., Wada, K., Bosetti, V., Capros, P.** *Locked into Copenhagen pledges — Implications of short-term emission targets for the cost and feasibility of long-term climate goals,* Vol 90, Part A, pp. 8-23
- [A68] **Ricci, O., Selosse, S.** 2013. *A cost analysis of the Copenhagen emission reduction pledges,* Economics Bulletin 33(1):764–771.
- [A69] **Ricci, O., Selosse, S.** 2013. *Global and regional potential for bioelectricity with carbon capture and storage,* Energy Policy 52:689–698.
- [A70] **Seck Gondia sokhna, Guerassimoff Gilles, Maïzi Nadia.** *Analysis of the importance of structural change in non-energy intensive industry for prospective modelling: The French case.* Energy Policy, Elsevier, 2016, 89, pp.114-124.
- [A71] **Seck, G., Guerassimoff, G., Maizi, N.** *A bottom-up energy model for non energy intensive industry,* submitted à Applied Energy. 2013 (révision favorable)

- [A72] **Séférian, R., Rocher, M., Guivarch, C., Colin, J.** 2018. *Constraints on biomass energy deployment in mitigation pathways : the case of water scarcity*. Environmental Research Letters 13 (5).
- [A73] **Selosse Sandrine, Sabine Garabedian, Olivia Ricci, Nadia Maïzi.** *The renewable energy revolution of Reunion island*. Renewable and Sustainable Energy Reviews, Elsevier, 2018, 89, pp.99-105.
- [A74] **Selosse, S., Ricci O.** *Achieving negative emissions in the power sector: New insights from TIAMFR*, Submitted à Applied Energy 2013 (révision favorable)
- [A75] **Selosse, S., Ricci, O., Maïzi, N.** *Fukushima's impact on the European power sector: A long term policy analysis using TIAM-FR*, Energy Economics, (Forthcoming).
- [A76] **Viguié, V.** 2015 *Cross-commuting and housing prices in a polycentric modeling of cities*, FAERE Working papers n°2015.09
- [A77] **Vrontisi, Z., G. Luderer, B. Saveyn, K. Keramidas, L. Aleluia Reis, L. Baumstark, C. Bertram, H. Sytze de Boer, L. Drouet, K. Fragkiadakis, O. Fricko, S. Fujimori, C. Guivarch, A. Kitous, V. Krey, E. Kriegler, E. O Broin, L. Paroussos, D. van Vuuren.** 2018. *Enhancing Global Climate Policy Ambition towards a 1.5 °C Stabilization : A Short-Term Multi-Model Assessment*. Environmental Research Letters 13 (4) : 044039.
- [A78] **Waisman, H., C. Guivarch, F. Grazi, Hourcade, J-C.** 2012. *The Imaclim-R model : infrastructures, technical inertia and the costs of low carbon futures under imperfect foresight*, Climatic Change 114(1):101-120
- [A79] **Waisman, H., Cassen, C., Hamdi-Cherif, M., Hourcade, J-C.** 2013. *Sustainability, globalization and the energy sector: A case study on Europe*, Journal of Environment and Development, (Forthcoming).
- [A80] **Waisman, H., Cassen, C., Hourcade, J-C.** 2013. *Monetary compensations in climate policy through the lens of a general equilibrium assessment - The case of oil-exporting countries*, Energy Policy DOI: 10.1016/j.enpol.2013.08.055
- [A81] **Waisman, H., Guivarch, C., Lecocq, C.** 2013. *The transportation sector and low-carbon growth pathways*, Climate Policy 13(1) : 106–129
- [A82] **Waisman, H., Rozenberg, J., Sassi, O., Hourcade, J.-C.** 2012. *Peak Oil profiles through the lens of a general Equilibrium Assessment*, Energy Policy 48: 744–753
- [A83] **Yin B., L Liu, N Coulombel, V Viguié,** 2018, *Appraising the environmental benefits of ride-sharing : the Paris region case study*, Journal of Cleaner Production, 177, 888-898

## Cahiers de la Chaire (Working Papers) (2011-2018)

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- [WP n° 2011-01-01](#) Ghersi, F., *The policy path to low-carbon society*.
- [WP n° 2011-02-02](#) Assoumou E., Maizi, N., *Analysis of the effect of environmental policies on the allocation of natural gas across end-use sectors in France*.
- [WP n° 2011-03-03](#) Ricci, O., Selosse, S., *Global and regional potential for bioelectricity with CCS*
- [WP n° 2012-01-04](#) Vogt-Schilb A., Bibas R., Cassen C., Guivarch C. Et Hourcade J-C. (CIRED) / Ruet J., Lanckriet E., Kang R., Qi M., Yin Y., Bulcourt A. et Lee A. (Observatoire des Emergents), *Fiches argumentaires issues de l'étude «Conditions de l'émergence et impacts macroéconomiques du véhicule électrique en Europe et en Chine »*
- [WP n° 2012-02-05](#) Maizi, N., Assoumou, E., *Scénarios prospectifs France à l'horizon 2050*
- [WP n° 2012-03-06](#) Ricci, O., Selosse, S., *Achieving negative emissions in the power sector: A technological and regional approach using TIAM-FR*
- [WP n° 2012-04-07](#) Selosse, S., Ricci, O., Maizi, N., *Fukushima's impact on the European power sector: A long-term policy analysis using TIAM-FR*
- [WP n° 2013-01-08](#) Ricci, O., Selosse, S., *A cost analysis of the Copenhagen emission reduction pledges*
- [WP n° 2013-02-09](#) Lefevre, J., Combet, E., Hourcade, J-C., *Construction de matrices entrées-sorties en indicateurs physiques et en valeur pour les modèles d'équilibre général hybrides : application à l'économie brésilienne*.
- [WP n° 2013-03-10](#) Bouckaert, S., Selosse, S., Dubreuil, A., E. Assoumou, E., Maizin, *Water and energy issues in long-term assessments: a focus on power systems using the TIAMFR model*.
- [WP n° 2013-04-11](#) Assoumou, E., Ghersi, F., Hourcade, J-C., Li, J., Maizi, N., Selosse, S., *Reconciling top-down and bottom-up energy/economy models: a case of TIAM-FR and IMACLIM-R*.
- [WP n° 2013-04-12](#) Legendre B. and Olivia Ricci, *Measuring fuel poverty in France: which households are the most vulnerable?*
- [WP n° 2013-04-13](#) Bibas R. and Jean-Charles Hourcade, *Transitions énergétiques en France : enseignements d'exercices de prospective*
- [WP n° 2013-04-14](#) Selosse S., and Nicolas Garcia, *CCS development for a low carbon future*
- [WP n° 2013-04-15](#) Postic S., Sandrine Selosse and Nadia Maïzi, *TIMES Prospective Modeling for South America*
- [WP n° 2013-04-16](#) Selosse S. and Nadia Maïzi, *Pending the adoption of an international climate agreement. An overview of the energy-climate regime*
- [WP n° 2013-04-17](#) Selosse S., Sébastien Postic and Nadia Maïzi, *Energy issue in Latin America face climate challenges: A long-term analysis with TIAM-FR*
- [WP n° 2013-04-18](#) Assoumou E., Jean-Paul Marmorat, Jérôme Houël, Valérie Roy, *Load curve impact of large electric vehicles fleet in the Paris Ile-de-France region*
- [WP n° 2016-01-19](#) Selosse Sandrine And Nadia Maïzi, *Exploring the biomass carbon capture solution to climate policy: A water impact analysis with TIAM-FR*
- [WP n° 2016-02-20](#) Postic Sébastien, Sandrine Selosse And Nadia Maïzi, *Energy sector contribution to regional climate action: The case of Latin America*
- [WP n° 2016-03-21](#) Kang Seungwoo, Sandrine Selosse And Nadia Maïzi, *Methodological long-term analysis of global bioenergy potential*

- **WP n° 2016-04-22** Schers Jules, Frédéric Gherzi And Franck Lecocq, *Modelling climate mitigation and economic growth in relation to employment and skills in South Africa*
- **WP n° 2016-05-23** Lefèvre Julien, *A description of the IMACLIM-BR model: a modeling framework to assess climate and energy policy in Brazil*
- **WP n° 2016-05-24** Le Treut Gaëlle And Emmanuel Combet, *Climate policy design and the competitiveness of the French industry: A computable general equilibrium analysis*
- **WP n° 2016-05-25** Selosse Sandrine And Nadia Maïzi, *The decarbonized pathways of post-Paris climate policy*
- **WP n° 2016-05-26** Assoumou Edi, Frédéric Gherzi, Jean Charles Hourcade, Jun Li, Nadia Maïzi And Sandrine Selosse, *Reconciling top-down and bottom-up energy/economy models: a case of TIAM-FR and IMACLIM-R*
- **WP n°2018-01-27** LE TREUT Gaëlle, *A proposal for assessing inventories of embodied emissions in trade and consumption at the country scale: an application to the French case*
- **WP n°2018-02-28** LEBLANC Florian, *Long-term macroeconomic impact of US unconventional Oil and Gas production: a general equilibrium perspective*

## Events organized or supported by the Chair MPDD

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- **Annual Days of the Chair** that are designed to make a point about the activity of the Chair by providing direct contact between the partners of the Chair and mobilized researchers as well as an analysis of a news topic. Find the complete list on our [website](#).
- **The seminars of the Chair's partners**: These conferences are mainly intended for our partners and are held in their premises. The theme of the conference is decided in consultation with the partners and could target on the one hand a "general" level of awareness to highlight the interest of the prospective approach and on the other hand, an "expert" level responding to a question and / or a specific problem. Find the complete list on our [website](#).
- **The seminars of the prospective modeling platform**: The aim of the Modeling Platform project is to allow exchanges and the confrontation between modeling teams, administrations and partners of the Chair about lighting that prospective modeling can bring about public policies related to the energy transition in France. To do different seminars and workshops are organized each year to advance methodological foresight. [List of seminars](#).
- **Side-events organized in the framework of the United Nations Conferences on Climate Change**. Each year, the Chair Modeling Prospective is present at the Conferences of the Parties, whether it is in the context of the animation of a stand that allows to discuss the work carried out within the framework of the Chair or by the organization of several events. [List of side events](#).
- **The events of the founding laboratories**:
  - Seminar *Energy by its externalities*, Mai 2010

- LCS-R Net 3<sup>rd</sup> Annual Meeting *Transition Towards Low Carbon Societies in a Changing World*, October 2011
- International Day *Policies after Fukushima*, March 2012
- Challenges of bioenergy in long-term scenarios of energy / climate - ParisTech Chair Seminar *Prospective Modeling*, May 2012
- The Economy - Climate - Carbon modeling for the next report of the IPCC - Seminar Chair ParisTech *Prospective Modeling*, July 2012
- *Cross-views of economists, parliamentarians and the administration on the energy policy of France and the EU: Which scenarios and how to use them?* Round table organized by the Association of Energy Economists, with the support of the Ministry of Ecology, Sustainable Development and Energy (DGEC) and the contribution of the Chair Modeling prospective. November 2012
- Workshop *Globalization, Natural Resource Constraints and the different Scales of Sustainable Pathways*, November 2013
- MPDD Chair Conference - OSE (Energy Systems Optimization) Specialized Master: Contributions to the preparation of the COP21, September 2015
- 68th International ETSAP Workshop, October 2015
- Meeting with Jim Skea and Shukla Priyadarshi (IPCC Working Group III Co-Chairs), Juin 2016
- Understanding COP21 and its aftermath, Juin 2016
- Conference Chair MPDD - Specialized Master OSE (Optimization of Energy Systems): MICROGRIDS: why, for whom?, September 2016
- Conference *On the Past, Present and Future of Integrated Assessment Models*, October 2016
- Round table on the occasion of the EMF33 meeting in Paris (large scale biomass energy scenarios), April 2017
- Conference *Triggering the Low Carbon Transition: articulating carbon pricing and climate finance*, July 2017
- 1st International Summer School in Economic Modelling of Environment, Energy and Climate : Modelling approaches to assess NDCs and mid-century strategies, July 2017
- MINES ParisTech Research Day, July 2017
- Conference Chair MPDD - Specialized Master OSE (Optimization of Energy Systems): Energy transition: waste is not left behind!, September 2017
- 2nd Summer School in Economic modelling of Environment, Energy and Climate: The role of demand and lifestyles in low carbon pathways, July 2018
- MINES ParisTech Research Day, July 2018
- LCS-RNet 10th Annual Meeting: Time for action towards ambitious decarbonised world, July 2018
- Conference Chair MPDD - Specialized Master OSE: Hydrogen, energetic vector of the future?, September 2018
- The IPCC Special Report 1.5 ° C: Its Content and Interpretations - Meeting with Jim SKEA, IPCC Group III Co-Chair, October 2018