

## CV Académique

**Anna Creti**

### **Emploi actuel**

Professeur des Universités (Classe Exceptionnelle), Université Paris Dauphine

External Fellow, Siebel Institute for Energy, Berkeley

Directrice, Chaire Economie du Climat (Université Paris Dauphine)

Directrice Scientifique, Chair on the Economics of Gas (Université Paris Dauphine, Ecole des Mines, IFPEN, Toulouse School of Economics)

### **Formation**

- Post Doctorat, London School of Economics, 1998-2000.
- Doctorat en Economie, obtenu avec « mention très honorable avec les félicitations du jury », Université de Toulouse I, 1998, Titre : « Networks, Telecommunications and Growth » Directeur de Thèse: Patrick Rey
- DEA « Analyse et Politique Economiques », DELTA-EHESS, Paris, 1994
- Maîtrise en Economie (avec mention), Université Bocconi -Discipline Economique e Sociali, Milan, 1992.

### **Comités Scientifiques**

- Membre du Comité Scientifique de l'ACPR-Banque de France
- Membre de la Commission ACPR-AMF sur Finance et Climat
- Membre du Comité Scientifique de l'Observatoire de la Finance Durable
- Membre du Comité Scientifique du Laboratoire de Finance des Marchés de l'Energie-FIME
- Membre du Comité Scientifique de WASCAL (West African Science Service Centre on Climate Change and Adapted Land Use)

### **Prix et Récompenses**

- North-South Prize of the Council of Europe as leading author in the works in Energy by the Mediterranean Experts on Climate and Environmental Change (MedECC) network of the Union for the Mediterranean, 2020
- Prix Spécial Association Economistes de l'Energie, 2019
- Siebel Energy Institute Grant, Berkeley, 2016-17
- Prix à la Publication, Université Paris Dauphine, 2015
- Titulaire de la Prime d'Encadrement Doctoral et de Recherche (Notation instance Nationale:A); 2018-2021
- Titulaire de la Prime d'Excellence Scientifique (Notation instance nationale: A); 2014-2018
- Nomination pour le ENI Award (Recherche et Innovation dans le Secteur de l'Energie), 2009
- Prix de thèse de doctorat, IREST, 1998
- Prix "G. Leonardi", Association Italienne d'Economie Régionale, pour le meilleur mémoire de maîtrise, 1992.
- Médaille d'Or décernée aux dix meilleurs diplômés de l'Université Bocconi, 1993

- Médaille d'Or Honorifique de la République Italienne (« Alfieri del Lavoro »), décernée aux 25 meilleurs diplômés italiens, 1993

### **Bourses d'études**

- Département de Statistiques Appliquées, Istituto Universitario Navale, Naples, 2000-2002
- Training and Mobility of Research, Bourse de la Communauté Européenne pour le post-Doctorat, 1998-2000
- Centre National d'Etudes pour les Télécommunications, Bourse CIFRE, Paris, 1996-1998.
- "Amici della Bocconi", financement pour les études à l'étranger, 1994-1996
- Bourse d'étude ERASMUS, Université Catholique de Louvain-la-Neuve, Bruxelles, 1991.

### **Emplois précédents**

#### 2011-2013

- Professeur des Universités, Université Paris Ouest Nanterre la Défense
- Directrice adjointe, EconomiX (UMR 7235), Université Paris Ouest Nanterre la Défense

#### 2009-2011

- Professeur Associé à Plein Temps, Université Paris Ouest Nanterre la Défense

#### 2009-2017

- Professeur Chargé de Cours, Ecole Polytechnique

#### 2005-2009

- Professeur Associé (statut contractuel), Université Bocconi, Milan, Italie
- Directeur de Recherche, Centre for Environmental and Energy Economics and Policy (IEFE), Université Bocconi, Milan, Italie

#### 2000-2005

- CEA (Commissariat à l'Energie Atomique), chercheur, en détachement auprès de l'Université de Toulouse 1
- IDEI (Institut d'Economie Industrielle, Toulouse) et LERNA (Laboratoire d'Economie de l'Environnement et des Ressources Naturelles), chercheur associé.

#### 1999

- Post Doctorat, STICERD, London School of Economics, Londres.

#### 1994-1997

- Doctorante, Laboratoire d'Economie Industrielle, CREST-ENSAE, Paris

## PUBLICATIONS

- *Articles dans revues internationales à comité de lecture*

Creti, A., Delacote, P., & Leblois, A. (2021). Introduction: special issue on weather and climate impacts in developing countries. *Environment and Development Economics*, 26(5-6), 429-431 (HCERES A, CNRS 2)

Creti A., & Delacote, P. (2020) Special Issue "Energy, climate and development: From international heterogeneity to local implementation", *Energy Economics*, Volume 90 (HCERES A, CNRS 2)

Baba A., Creti A. & Massol O. (2020) What can be learned from the free destination option in the LNG imbroglio, *Energy Economics*, 89, 104574 (HCERES A, CNRS 2)

Barry M., & Creti, A. (2020) Pay-as-you-go contracts for electricity access: bridging the "last mile" gap?, *Energy Economics* 90, 104843. (HCERES A, CNRS 2)

Creti, A., & Nguyen, D. K. (2020). Energy, Climate and Environment: Policies and International Coordination, *Energy Policy*, 111226, (HCERES A, CNRS 2)

Guesmi, K., Abid, I., Creti, A., & Ftiti, Z. (2020). Oil price shocks, equity markets, and contagion effect in OECD countries. *European Journal of Comparative Economics*, 17(2), 155-183. (HCERES B, CNRS 3)

Kpondjo, N., Lantz, F., Creti, A. & Pham Van Cang, C., (2020). The Impact of Energy Costs on Industrial Performance: Identifying Price and Quantity Effects in the Aluminum Industry Using a Data Envelopment Analysis Approach. *Journal of Energy Markets*, 13(4) (HCERES C, CNRS 4)

A Tantet, M Stéfanon, P Drobinski, J Badosa, S Concettini, A Creti (2019) E 4 clim 1.0: The Energy for a Climate Integrated Model: Description and Application to Italy , *Energies* 12 (22), 1-37 (revue interdisciplinaire sciences de l'ingénieur)

Creti A. & C. de Perthuis, "Stranded Assets and the Low-carbon Revolution: Myth or Reality?", *The Energy Journal*, 4th Quarter 2019 (HCERES A, CNRS 1)

Creti, A., & Nguyen, D. K. (2018). Special Issues "Energy and environment: Transition models and new policy challenges in the post Paris Agreement". *Energy Policy*, 122, 677-679 (HCERES A, CNRS 2)

Creti, A., Nguyen, D. K., & Kilian, L. (2018). Special Issue "Energy Challenges in an Uncertain World". *The Energy Journal*, 39(S2), 1-3. (HCERES A, CNRS 1)

Creti, A., Kotelnikova, A., Meunier, G., & Ponsard, J. P. (2018). Defining the abatement cost in presence of learning-by-doing: Application to the fuel cell electric vehicle. *Environmental and Resource Economics*, 71(3), 777-800. (HCERES A, CNRS 2)

Chaton, C., Creti, A., & Sanin, M. E. (2018). Assessing the implementation of the Market Stability Reserve. *Energy Policy*, 118, 642-654. (HCERES A, CNRS 2)

Guesmi, K., Abid, I., Creti, A., & Chevallier, J. (2018). Oil Price Risk and Financial Contagion. *Energy Journal*, 39. (HCERES A, CNRS 1)

Ardian, F., Concettini, S., & Creti, A. (2018). Renewable Generation and Network Congestion: An Empirical Analysis of the Italian Power Market. *Energy Journal*, 39. (HCERES A, CNRS 1)

Creti, A., & Joets M. (2017) "Multiple bubbles in European Union Emission Trading Scheme", *Energy Policy*, 107, 119-130 (CNRS 2, HCERES A)

Creti A. & Sanins M.E. (2017) "CO2 markets and incentives to merge", *Energy Policy*, 105, 618-630 (HCERES A, CNRS 2)

Creti A. & Guesmi K. "International CAPM and Oil Price: Evidence from Selected OPEC Countries", (2015) *Bankers, Markets & Investors*, Vol 136-137, pp 64-78 CNRS 4, HCERES B

"Banking and Backloading Emission Permits", 2015 (with C. Chaton and B. Peluchon), *Energy Policy*, Vol 82, pp 332-341. (HCERES A, CNRS 2)

"Special Issue on Energy Markets' Financialization, Risk Spillovers, and Pricing Models-Editors' Comments", 2015, (with Duc Khuong Nguyen), Vol 82 *Energy Policy* (HCERES A, CNRS 2)

"Volatility spillovers and macroeconomic announcements: evidence from crude oil markets", 2015 (with Belgacem, A., Guesmi, K., & Lahiani, A). *Applied Economics*, Vol 47(28), 2974-2984. (HCERES A, CNRS 2)

"Fraud, Investments and Liability Regimes in Payment Platforms", 2014, (with M. Verdier), *International Journal of Industrial Economics* ", Volume 35, July 2014, pp 84–93 (HCERES A, CNRS 1)

"Liberalization of retail markets in Europe: what to do next?", 2014 (with S. Concettini), *Energy Studies Review*, Vol 21, pp 2-18 (HCERES B, CNRS 3)

"Commodity Storage with Durable Shocks: A Simple Markovian Model", 2014, (with B. Villeneuve), *Mathematics and Financial Economics* pp 169–192 (HCERES C, CNRS 4)

"Oil price and financial markets: Multivariate dynamic frequency analysis", 2014, (with K. Guesmi and Z. Ftiti), *Energy Policy*, Vol 73, pp 245-258 (HCERES A, CNRS 2)

"Special Issue Editors Comments", 2014, (with Duc Khuong Nguyen), *Energy Studies Review*, Vol 20, Issue 3 CNRS 3, HCERES B

"Oil price and financial markets in the main OPEC countries", 2014, (with K. Guesmi and Z. Ftiti), *Energy Studies Review*, Vol 20, Issue 3, pp 17-35 (HCERES B, CNRS 3)

"The NOME law: some implications for the French Electricity market", (avec J. Pouyet et M.E. Sanin) 2013, *Journal of Regulatory Economics*, Vol 43, pp 196–213 (HCERES A, CNRS 2)

"On the links between stock and commodity markets' volatility", 2013, (avec M. Joets et V. Mignon) *Energy Economics* 37, 16–28 (HCERES A, CNRS 2)

"Carbon Price Drivers: Phase I versus Phase II Equilibrium?" *Energy Economics* (avec PA Jouvet and V. Mignon), vol 34-1, pp 327-334 (2012) (HCERES A, CNRS 2)

"A note on Electric Choices", (2011) *Economica*, Vol 78, Issue 29 , pp 191-194 (HCERES A, CNRS 2)

"Integration of electricity markets in Europe: relevant issues for Italy" (2010), (avec E. Fumagalli and E. Fumagalli), *Energy Policy*, Vol 38, Issue 11, pp 6966-6976 (HCERES A, CNRS 2)

"A note on forward contracts in leader-follower games" (2010), (avec M. Bonacina), *Economics Bulletin*, Vol 11, pp 1539-1547 (HCERES B, CNRS 3)

"Storage Services provision and regulation in Italy: a Delphi analysis" (2009), (avec M. Bonacina et A. Sileo), *Energy Policy*, Vol 37, pp. 1277-88 (HCERES A, CNRS 2)

"Storage and Security of Supply in the Medium Run" (2009) (avec C. Chaton et B. Villeneuve), *Resource and Energy Economics*, Vol 31, pp 24-38 (HCERES A, CNRS 2)

"Some Economics of Seasonal Gas Storage" (2008), (avec C. Chaton et B. Villeveuve), *Energy Policy*, Vol. 36, pp 4235–4246 (HCERES A, CNRS 2)

"Capacity markets for Electricity" (2007), (avec N. Fabra), *Energy Economics* Vol.29, Issue 2 , pp 259-276 (HCERES A, CNRS 2)

"Telecommunications Services and Multi-Unit Firms: Inside the Black-Box", (2007), *The Review of Network Economics* Vol.6, Issue 1, pp 50-77 (HCERES B, CNRS 3)

"Capacity Competition in Electricity Markets" (2005), (avec C. Crampes), *Economia delle Fonti di Energia-EFEA*, Vol. 2, pp 59-83

"Long-term Contracts and Take-or-pay Clauses in Natural Gas Markets", (2004) (avec B. Villeneuve), *Energy Studies Review*, Vol. 13, pp 75-94 (HCERES B, CNRS 3)

"Politique énergétique : Aspects stratégiques de la question des approvisionnements", (2003) (avec B. Villeneuve), *Economie et Prévision*, Vol 2, pp. 73-88 (HCERES B, CNRS 3)

"Firms' Organisation and Efficient Communication Networks", *The Manchester Journal*, (2001a), Vol 69, pp. 77-102 (HCERES B, CNRS 3)

"Network Technologies, Communication Externalities and Total Factor Productivity", (2001b) *Structural Change and Economic Dynamics*, Vol. 12, pp. 1-28 (HCERES B, CNRS 3)

- *Articles dans revues nationales à comité de lecture*

Creti, A. Olivier, R., (2020). "Prix du carbone, stratégies d'entreprises et transformation énergétique". *Revue d'économie financière*, (2), pp.105-117. (HCERES C, CNRS 4)

Pontoni, F., Creti, A., & Joëts, M. (2018). "Economic and environmental implications of hydropower concession renewals: A case study in Southern France". *Revue économique*, 69(2), 241-266. (HCERES A, CNRS 2)

"Les déterminants des prix du carbone : une comparaison entre les phases I et II" (2012), (avec PA Jouvét and V. Mignon), *International Economics*, Vol 63(3), pp 601-610 (HCERES B, CNRS 3)

"Prices versus Quantities in the Coordination of the International Environmental Policy" (2011), (avec M.E. Sanin), *International Economics*, Vol 126(2-3), pp 109-130 (HCERES B, CNRS 3)

- *Ouvrages individuels et direction d'ouvrages collectifs*

Creti A. & Belaid F. editors (2021), *In Energy Transition, Climate Change, and COVID-19*, Springer, Cham.

Creti A. & Fontini F. (2019) *Economics of Electricity: Markets, Competition and Rules*. Cambridge: Cambridge University Press. ISBN 9781316884614

Cretì A. editor (2009), "The Economics of Natural Gas Storage: A European Approach", Springer Verlag, ISBN: 978-3-540-79406-6

- *Chapitres d'ouvrages*

Billard, C., & Creti, A. (2021). COVID-19 Recovery Packages and Industrial Emission Rebounds: Mind the Gap. In *Energy Transition, Climate Change, and COVID-19* (pp. 15-43). Springer, Cham.

MedECC (2020) *Climate and Environmental Change in the Mediterranean Basin – Current Situation and Risks for the Future. First Mediterranean Assessment Report* [Cramer, W., Guiot, J., Marini, K. (eds.)] Union for the Mediterranean, Plan Bleu, UNEP/MAP, Marseille, France, 600pp, in press, *Lead Author* in *Energy Transition*

Cretì A. (2013), "Retail competition in electricity markets" Chapter 4, *The Economics of Electricity Markets, Theory and Policy* Edited by P. Ranci, Università Cattolica et G. Cervigni, Università Bocconi, Italy. The Loyola de Palacio Series on European Energy Policy, Edgar Elwar

Cretì A. (2011), "How energy works? Electricity and Gas Markets in Europe", *Handbook of Sustainable Energy*, ed. by I. Galarraga et A. Markandya, Edgar Elwar.

Chapters "The Economics of Natural Gas storage" (2009): Chapitre 1, "Natural Gas Storage : toward a market-oriented approach", Chapitre 4, " Gas storage and Security of Supply : the UK case ", with B. Villeneuve; Chapitre 5, "Final remarks".

Cretì A. (2009), "Interconnection infrastructure as a prerequisite for the development of territories: the role of network externalities", in U. Fratesi, L. Senn, *Growth and Competitiveness in Innovative Regions: Balancing Internal and External Connections*, Springer-Verlag, serie "Advances in Spatial Science", pp 217-244

Cretì A. (1997), "Les Entreprises en Réseau", Chap. 4, A. Perrot ed. « Concurrence et Déreglementation » (with Anne Perrot), Economica, Paris, pp. 49-74.

Cretì A. (1997), "How IT/Telecom affect the economy", «The economics of the information society», EC-DGXIII et OCDE, Bruxelles, pp. 5-25.

Cretì A. (1997), Globalization and Small and Medium Sized Enterprises, Vol. 1, Synthesis Report, (with M-F Estimé and C. Hall), OCDE, Directorate for Science and Technology.