

PERSONAL INFORMATION

CASSEN Christophe



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Male | 17/07/1979 | French

POSITION Project manager and Research fellow (CNRS position)

WORK EXPERIENCE

CIRED 2008-present Project manager (IMACLIM project) and research fellow
 Research activities:

- International climate governance: Historic perspective of institutions, coordination mechanisms (path dependencies); Analysis of Post Copenhagen paradigm shift
- Expertise and decision making: Analysis of the Integrated Assessment Modelling (IAM) epistemic community (links with IPCC WGIII and climate negotiations); Intercomparison analysis of country-level modeling ecosystems in the assessment of NDCs and Low Carbon Strategies

 CIRED, Nogent-sur-Marne
 Research institute (mother institutes: CNRS, ENPC, AgroParistech and EHESS)

EDUCATION AND TRAINING

(2005-2007) **Engineering degree**
 Environment issues, local Development and Governance Agro-Paristech/ENGREF Paris, France

(2004-2005) **Master degree in Political Science with Merit**
 Political Science, Decision making, Environmental Controversies Institut d'Etudes Politiques "SciencesPo", Paris, France

(2000-2004) **Diploma in Social Science (Magistere in social humanities)**
 4th Year Major in History
 Ecole Normale Supérieure de Cachan, Paris, France

PERSONAL SKILLS

Mother tongue French

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user
Spanish	B2 Independent user	B1 Independent user	B1 Independent user	B1 Independent user	A2 Basic user

Communication skills

Intercultural skills: good ability to adapt to multicultural environments gained through experience in research projects.

Team work: work in various teams from students associations to research teams.

Organisational / managerial skills

Management and animation of the IMACLIM modeling team (17 people)
 Research program coordination and research activities: EUFP7 and H2020 projects (GLOBIS, MILESECURE, AUGUR, SEI Metrics, DEEDS), Modeling Chair for Sustainable Development ENPC-Mines Paristech (since 2009), international network (LCS-R net), Research agreement CNRS (CIRED)-SMASH

Teaching: in charge of module “climate change” (Athens Programme) at AgroParisTech Engref (since 2009) and module ‘economy of energy’ at ENSTA top level French engineer schools) for second-year students (since 2014), contribution to the Master Public Policies and Environmental Strategies and Master Clues (Climate, Land Use, and Ecosystem Services) at AgroParistech.

Organisation of research conferences and seminars

Dissemination activities of the IMACLIM research activities

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Independent user	Proficient user

Microsoft Office™ tools (Word™, Excel™ and PowerPoint™)

Latex

Other skills

Basket ball (2011-2012: manager Basket Ball team (csmf, Paris), strong interest in History and my Family Agricultural farm

Publications (Peer reviewed)

- [1] Van Beeck L, Pelzer, P., Hajer, M.A, Van Vuuren D., Cassen CH., 2020. World-making through models: understanding the rise of Integrated Assessment Modelling in the climate science-policy interface, *Global Environmental Change* [Under submission]
- [2] Cassen, C., Missemer, A., 2020. 'La structuration de l'économie de l'environnement et du développement en France : le cas du CIREN' (1968-1986), *Oeconomia*, (to be published)
- [3] Cointe, B., Cassen, Ch., Nadai, A., 2019, 'Organizing policy-relevant knowledge for climate action : Integrated Assessment Modelling, the IPCC, and the emergence of a collective expertise on socioeconomic emission scenarios', *Science and Technology Studies*, 32(4)
- [4] Cassen, C., Cotella, G., Toniolo, J., Lombardi, P., Hourcade., J-C., 2018, 'Energy Security Scenarios of Future Europe. An evaluation of upscaling pioneer experiences in a low carbon context', *Sustainability* 2018, 10(3), 848; doi:10.3390/su10030848
- [5] Li, J., Hamdi-Chérif, M., Cassen, Ch., 2017 'Aligning domestic policies with international coordination in a post-Paris global climate regime : a case for China', *Technological Forecasting & Social Change* (available online)
- [6] 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*, Volume 15, Issue 4 , 353-367
- [7] Cassen, C., Guivarch, C., Lecocq, F., 2015. 'Les co-bénéfices des politiques climatiques : un concept opérant pour les négociations climat ?', *Natures Sciences Sociétés*, 23, supplément, S41-S51
- [8] Waisman, H-D., Cassen, C., Hamdi-Cherif, M., Hourcade, J-C., 'Sustainability, Globalization, and the Energy Sector Europe in a Global Perspective', *The Journal of Environment & Development* March 2014 23 : 101-132

Working papers

- [1] Hourcade J-C., Crassous R., Cassen C., Dorin B., 2008. 'A Novel Hybrid Architecture for Agriculture and Land Use in an Integrated Modeling Framework', Working Paper Matisse Project
- [2] Hourcade J-C. , Crassous R., Cassen C., Saglio A., Theyry D. , Gitz V. , Pereira A., 2008: 'Biofuels and the Environment-Development Gordian Knot : Insights on the Brazilian', Working paper Matisse project
- [3] Rozenberg J., Cassen C., Hourcade J-C., 2011. 'Main challenges for the role of Europe in global governance on energy and environmental issues ; The role of Europe in climate negotiations (1992-2010) and Building a few scenarios for innumerable energy and climate futures', Augur FP7 project,
- [4] Cassen C., Hamdi Cherif M., Hourcade J-C., 2013 'Multidimensional Impacts of the Low - carbon European Strategy on Energy Security, and Socio - Economic Dimension up to 2050 perspective', EUFP7 Milesecure project, 110p

Contribution to book chapters

- [1] Brunelle, T., Dumas, P., Cassen, C., Manceron, S., Marajo-Petizon, E., Lamblin, V., *Climate Change: 'Impacts and Mitigation'*, in Le Mouél, C., De Lattre-Gasquet, M., Mora, O., Olivier Mora, 2018. *Land Use and Food Security in 2050: A Narrow Road*, Quae
- [2] Cassen, C., Gracceva, F., *Energy Security in Low-Carbon Pathways*, 2017 in Grüning M., Lombardi, P. (ed), *Low Carbon Energy from a European Perspective*, Elsevier
- [3] Guivarch, C., Rozenberg, J., Cassen, C. and Hourcade J - C., 2014. *Energy, Environment and Sustainable Globalisation* in John Eatwell and Terry Mc Kinley (ed.) *Challenges for Europe in the world, 2030*, Sage Publications , London

Other publications

- [1] LCS-RNet Secretariat, LCS-RNet Steering Committee, Cassen, C., Schneidewind, U., *Post Paris Agreement Progress Report of the International Research Network for Low Carbon Societies*, EAI, ENEA journal, n°1, 2016
- [2] Cassen, C., Theme 3 : Make Low Carbon and resilient investments : A leverage to renovate economy in crisis, Special Issue, *Transition and global challenges towards low carbon societies*, EAI, ENEA journal, 2015
- [3] Hourcade, J-C, Cassen, C. A monetary plan for upgrading climate finance and support the low carbon transition, Special Issue, *Transition and global challenges towards low carbon societies*, EAI, ENEA journal, 2015
- [4] Cassen C., Hamdi Cherif M., Hourcade J-C., 2013 *Multidimensional Impact of the Low Carbon European Strategy on Energy Security, and Socio Economic Dimension up to 2050 perspective*, EUFP7 Milesecure project, 110
- [5] Cassen C., *Contribution aux repères du développement durables (Energie : quel modèle pour demain ?)*, *Regards sur la Terre* , 2010

Projects Management and contribution

IMACLIM modelling team research program : Computable General Equilibrium (CGE), Economic assessment of long term development strategies (<http://www.imaclim.centre-cired.fr/>)
 Chair Long Term Modeling for Sustainable Development (since 2009, with JC Hourcade and MINES Paristech)
 Coordination Research Agreement CNRS (CIRED)-SMASH (since 2016)
 LCS-R net (Low Carbon Society Research Network) (since 2011 with JC Hourcade)
 EUFP7 GLOBIS research project: Globalization and Sustainable Development by 2100 (with H. Waisman, M. Hamdi-Chérif, Th. Brunelle)
 EUFP7 AUGUR: Europe in 2030 (with C. Guivarch and J. Rozenberg)
 EUFP7 MILESECURE 2050: Energy security in Europe in 2050 (with JC Hourcade and M. Hamdi-Chérif)
 H2020 SEI METRIC 2015-2017 Quantifying the investments needs for low carbon trajectories by 2050 (with JC Hourcade and R. Bibas)
 H2020 DEEDS 2017-2020: The DialoguE on European Decarbonisation Strategies (with C. Guivarch, T. Brunelle, M. Hamdi-Chérif)
 PROSPER 2016-2018: Analysis of the epistemic community of the IAM community (with B Cointe and A. Nadai)
 HCERES evaluation Committee of the Selmet INRAE-CIRAD lab (2020)

Selected conferences

- [1] 'The Structuring of Environmental & Development Economics in France –the CIRED example' (1968-1986) Conf. Hist. Env. Econ. Reims, 21-22 March 2019 (with A. Missemer)
- [2] 'The mobilization of the finance community within the UNFCCC and beyond: first overview and assessment', Earth System Governance conference, Utrecht, 5 November 2018
- [3] 'Organizing Policy relevant Expertise on Climate Action: the IAM Community', Earth System Governance, Utrecht, 7/11/2018
- [4] 'The Transition in Energy Demand Sectors to Limit Global Warming to 1.5°C– An Overarching Modeling Approach and Its Policy Implications', LCS-R net conference, Yokohama, 17/07/1979
- [5] 'La coordination internationale des politiques climatiques par les instruments : analyse d'un changement de paradigme au prisme des sentiers institutionnels passés', 14e congrès de l'Association française de Sciences Politiques, 11/07/2017
- [6] 'Energy Security Scenarios for Europe by 2050: An evaluation of upscaling pioneer experiences in a low carbon context', Cork, IEW, 1/06/2016 and SBE16, 18/02/2016, Turin
- [7] 'Climate policy architecture for the Cancun's paradigm shift: Building upon the lessons from history', Our Common Future, Poster session, July, 2015, Paris
- [8] 'Energy Security Scenarios for Europe by 2050', AESOP conference, Prague
- [9] 'The Community of Integrating Assessment Modelling: overview, structuring and interactions with the IPCC expertise', Milan, ICPP conference, 3/07/2015
- [10] 'IMACLIM: une plateforme innovante de dialogue sur les enjeux Economie, Energie et Environnement', Institut Veblen, 6/02/2015
- [11] 'Modélisation Economie, Energie, Environnement et enjeux climat : enjeux scientifiques et institutionnels', Workshop ANR INNOX, 5/02/2015
- [12] Climate change: diagnosis, projections and answers, 12e édition du Mois de l'Environnement, Institut français, Budapest, 5/11/2014
- [13] 'The Energy Security Trends and Strategies in the European Territorial Cohesion, Transition towards Low carbon Energy Society', European Energy week, 25/06/2014
- [14] 'Globis final conference Sustainability, Globalization and Energy/Land use challenges A European perspective', Globis project final conference, 14/05/2014
- [15] 'Sustainable Energy transitions and the economic globalization', Planet Under Pressure, London, 29/03/2012
- [16] 'Energy transitions and the crisis of economic globalization', 2nd International Conference on Sustainable Transition, Lund, 16/07/2011
- [17] 'Fiscalité carbone et transport en Europe, atelier Transport et fiscalité carbone : quels enjeux ? quel rôle pour l'Europe ?' Chaire développement durable de Sciences Po / SNCF, 6/07/2010
- [18] 'Imaclim: an hybrid model to foster the dialogue on sustainable pathways, energy policies and climate stabilization', 1st IAMC conference, 09/2009, Tsukuba, Japan
- [19] Cassen C., 'Prospective énergétique et scénarios facteur 4 : 2020-2050', atelier n°4 du Plan Climat Nord Pas de Calais, may 2009

