Bernard SINCLAIR-DESGAGNE

Emeritus Professor

Academy: Globalization

Research center: Knowledge, Technology and Organization

Campus: Sophia Antipolis

Email: bernard.sinclairdesgagne@skema.edu

Research interests

Economics of organization, Economics of risk and uncertainty, Environmental Economics, Theory of incentives, Management of innovation

Education

1988	Ph.D. in Operations Research/Management Science, Yale University, United States of America
1984	M.A. en sciences économiques, Université Laval, Canada
1981	BSc en Mathématique, Université Laval, Canada
1980	BA en sciences économiques, Université Laval, Canada

Experience

Full-time academic positions

Since 2019	Professor, SKEMA Business School, France
Since 2003	Professeur Associé, Ecole Polytechnique, France
2001 - 2019	Professor, HEC Montréal, Canada
1999 - 2001	Professor, Polytechnique Montréal, Canada
1994 - 1999	Professeur, Polytechnique Montréal, Canada
1991 - 1994	Associate Professor, INSEAD, France
1988 - 1991	Assistant Professor, INSEAD, France

Other academic affiliations and appointments

2014 - 2017	Visiting Professor, London School of Economics and Political Science (LSE), Great Britain
2008 - 2014	Directeur du Département d'Affaires Internationales (DAI), HEC Montréal, Canada

Research grants, Awards and Honors

Awards and Honors

2020	Fellow de l'Institut Louis Bachelier, Institut Louis Bachelier
2016	Professeur des universités - classe exceptionnelle, Ministry of Higher Education
2012	Citation of Excellence, Emerald

2007	Prix Pierre-Laurin, HEC Montréal
2006	Best article, Europlace
2004	Fellow of the European Economic Association, European Economic Association

Publications

Peer-reviewed journal articles

D'AMATO, A. and SINCLAIR-DESGAGNE, B. (2026). Ergonomics and Incentive Compensation. *The BE Journal of Economic Analysis and Policy*, 26(1), pp. 299-310.

DESJARDINS, M. and SINCLAIR-DESGAGNE, B. (2025). Internal Carbon Pricing in the Multidivisional Firm. *Environmental and Resource Economics*, 88(8), pp. 2029-2057.

SINCLAIR-DESGAGNE, B. (2025). Chasing Unknown Unknowns with the Available Data. *International Journal of Data Science and Analytics*, 20(6), pp. 5921-5937.

SINCLAIR-DESGAGNE, B. (2024). On the (non-) reliance on algorithms—A decision-theoretic account. *Journal of Mathematical Psychology*, 119, pp. 102844.

SINCLAIR-DESGAGNE, B. (2022). Measuring innovation and innovativeness: a data-mining approach. *Quality & Quantity*, 56, pp. 2415–2434.

BRUNET, C., SAVADOGO, O., BAPTISTE, P., BOUCHARD, M.A., CHOLEZ, C., ROSEI, F. ... MERVEILLE, N. (2022). Does solar energy reduce poverty or increase energy security? A comparative analysis of sustainability impacts of on-grid power plants in Burkina Faso, Madagascar, Morocco, Rwanda, Senegal and South Africa. *Energy Research and Social Science*, 87, pp. 102212.

SINCLAIR-DESGAGNE, B. (2021). Green Human Resource Management - A personnel economics approach. *Resource and Energy Economics*, 66, pp. 101261.

SINCLAIR-DESGAGNE, B. (2020). Principles vs. Principal: Reconciling norm compliance and shareholder value. *Journal of Public Economic Theory*, 22(2), pp. 449-467.

BOCHET, O., LAURENT-RUCHETTI, J., LEROUX, J. and SINCLAIR-DESGAGNE, B. (2019). Collective risk taking in the commons. *Journal of Economic Behavior and Organization*, 163, pp. 277-296.

SINCLAIR-DESGAGNE, B. (2019). Prior Knowledge and Monotone Decision Problems. *Economics Letters*, 175, pp. 15-18.

SINCLAIR-DESGAGNE, B. and SPAETER, S. (2018). Incentive Contracts and Downside Risk Sharing. *Journal of Law, Economics and Organization*, 34(1), pp. 79-107.

BARRIEU, P., BELLAMY, N. and SINCLAIR-DESGAGNE, B. (2017). Assessing Contaminated Land Cleanup Costs and Strategies. *Applied Mathematical Modelling*, 42, pp. 478-492.

CHAIGNEAU, P., SAHUGUET, N. and SINCLAIR-DESGAGNE, B. (2017). Prudence and the Convexity of Compensation Contracts. *Economics Letters*, 157, pp. 14-16.

GIRAUD-HERAUD, E., PONSSARD, J.P., SINCLAIR-DESGAGNE, B. and SOLER, L.G. (2016). The agro-food industry, public health, and environmental protection: investigating the Porter hypothesis in food regulation. *Review of Agricultural, Food and Environmental Studies*, 97, pp. 127-140.

SMAILI, N. and SINCLAIR-DESGAGNE, B. (2014). Corporate Governance and Financial Authority Sanctions. *International Journal of Managerial and Financial Accounting*, 6(1), pp. 27-48.

CRIFO, P. and SINCLAIR-DESGAGNE, B. (2014). The Economics of Corporate Environmental Responsibility. *International Review of Environmental and Resource Economics*, 7(3-4), pp. 279-297.

DAVID, M., NIMUBONA, A.D. and SINCLAIR-DESGAGNE, B. (2011). Emission Taxes and the Market for Abatement Goods and Services. *Resource and Energy Economics*, 33(1), pp. 179-191.

DAVID, M. and SINCLAIR-DESGAGNE, B. (2010). Pollution Abatement Subsidies and the Eco-industry. *Environmental and Resource Economics*, 45, pp. 23.

SINCLAIR-DESGAGNE, B. (2009). Ancillary Statistics in Principal-Agent Models. *Econometrica*, 77(1), pp. 279-281.

FRANCOEUR, C., LABELLE, R. and SINCLAIR-DESGAGNE, B. (2008). Gender Diversity in Corporate Governance and Top Management. *Journal of Business Ethics*, 81, pp. 83-95.

SINCLAIR-DESGAGNE, B. (2008). The Environmental Goods and Services Industry. *International Review of Environmental and Resource Economics*, 2(1), pp. 69-99.

FAGART, M.C. and SINCLAIR-DESGAGNE, B. (2007). Ranking Contingent Monitoring Systems. *Management Science*, 53(9), pp. 1501-1509.

BARRIEU, P. and SINCLAIR-DESGAGNE, B. (2006). On Precautionary Policies. *Management Science*, 52(8), pp. 1145-1154.

DAVID, M. and SINCLAIR-DESGAGNE, B. (2005). Environmental Regulation and the Eco-Industry. *Journal of Regulatory Economics*, 28, pp. 141-155.

SINCLAIR-DESGAGNE, B. and GOZLAN, E. (2003). A Theory of Environmental Risk Disclosure. *Journal of Environmental Economics and Management*, 45(2), pp. 377-393.

SINCLAIR-DESGAGNE, B. (2000). Career Concerns and the Acquisition of Firm-Specific Skills. *Journal of the Japanese and International Economies*, 14, pp. 204-217.

SINCLAIR-DESGAGNE, B. (1999). How to Restore Higher-Powered Incentives in Multi-Task Agencies. *Journal of Law, Economics and Organization*, 15(2), pp. 418-433.

SINCLAIR-DESGAGNE, B. (1997). Environmental Auditing in Management Systems and Public Policy. *Journal of Environmental Economics and Management*, 33(3), pp. 331-346.

CADOT, O. and SINCLAIR-DESGAGNE, B. (1996). On the Computation of Randomized Markov Equilibria. *Games and Economic Behavior*, 17(1), pp. 129-134.

RÖLLERA, L.H. and SINCLAIR-DESGAGNE, B. (1996). On the Heterogeneity of Firms. *European Economic Review*, 40(3-5), pp. 531-539.

SINCLAIR-DESGAGNE, B. and CADOT, O. (1995). Environmental Standards and Industrial Policy. *Journal of Environmental Economics and Management*, pp. 228-237.

SINCLAIR-DESGAGNE, B. (1994). The First-Order Approach to Multi-Signal Principal-Agent Problems. *Econometrica*, 62(2), pp. 459-465.

GABEL, L. and SINCLAIR-DESGAGNE, B. (1993). Managerial Incentives and Environmental Compliance. *Journal of Environmental Economics and Management*, 24(3), pp. 229-240.

CADOT, O., SINCLAIR-DESGAGNE, B. and BERNARD (1992). Prudence and Success in Politics. *Economics and Politics*, 4(2), pp. 171-189.

SINCLAIR-DESGAGNE, B. (1990). Group Decision Support Systems Implement Bayesian Rationality. *European Journal of Operational Research*, 47(1), pp. 29-34.

SINCLAIR-DESGAGNE, B. (1990). On the regulation of procurement bids. *Economics Letters*, 33(3), pp. 229-232.

Book chapters

SINCLAIR-DESGAGNE, B. (2025). Eco-industry. In: Angeliki Menegaki (ed.). *Encyclopedia of Energy Economics*. 1st ed. Edward Elgar Publishing, pp. 92-96.

SINCLAIR-DESGAGNE, B. (2024). Remarks on the Scope and Deployment of Integrated Thinking in Business Firms. In: Sabrina Roszak, Raluca Sandu eds. *Integrated Thinking For Long-Term Value Creation: A Multidisciplinary Reporting Approach In A Globalized World*. 1st ed. Palgrave Macmillan, pp. 3-21.

SINCLAIR-DESGAGNE, B. (2013). Informal versus Formal New Venture: A Choice Analysis and Some Policy Implications. In: Mai Thai and Ekaterina Turkina (ed.). *Entrepreneurship in the Informal Economy: Models, Approaches and Prospects for Economic Development*. 1st ed. Routledge, pp. 19-34.

SINCLAIR-DESGAGNE, B. and GABEL, L. (1998). The Firm, its Routines, and the Environment. In: Henk Flomer and Thomas H Tietenberg (ed.). *The International Yearbook of Environmental and Resource Economics 1998/1999*. 1st ed. Edward Elgar Publishing.

Guest editor of a journal special issue

BEN ABDELAZIZ, F., LA TORRE, D., KUNZE, H. and SINCLAIR-DESGAGNE, B. (2022). Guest editorial: Artificial intelligence and machine learning in business and management. *Journal of Modelling in Management*, 17(3), pp. 849-852.

Editorials of a journal

AMIR, R., RESENDE, J. and SINCLAIR-DESGAGNE, B. (2020). Introduction to the thematic issue on "Regulation in health, environmental and innovation sectors". *Journal of Public Economic Theory*, 22(6), pp. 1740-1745.

Conference proceedings

SINCLAIR-DESGAGNE, B. (2023). Mining for Unknown Unknowns. *Springer*.

Conference presentations

SINCLAIR-DESGAGNE, B. (2023). Unknown unknowns, the frontier of ethical algorithms. In: Ethical Public Robots and AI (EPURAI) workshop. Paris.

SINCLAIR-DESGAGNE, B. (2023). Internal carbon pricing. In: Center for Accounting Research, University of Graz. Graz.

SINCLAIR-DESGAGNE, B. (2023). Gouvernance d'entreprise et IA. In: ALL IN, Montréal. Montréal.

SINCLAIR-DESGAGNE, B. (2023). Internal carbon pricing. In: French Association of Environmental and Resource Economists (FAERE) annual conference. Montpellier.

SINCLAIR-DESGAGNE, B. (2023). Internal carbon pricing. In: European Chapter of the Econometric Society annual conference. Barcelone.

SINCLAIR-DESGAGNE, B. (2023). IA et prise de décision – Les défis managériaux. In: Dialogues sur l'IA – SKEMA Business School. Montréal.

SINCLAIR-DESGAGNE, B. (2023). Mining for unknown unknowns. In: Theoretical Aspects of Rationality & Knowledge (TARK) biennial conference. Oxford.

SINCLAIR-DESGAGNE, B. (2023). Internal carbon pricing. In: European Association of Environmental and Resource Economists (EAERE) annual conference.

SINCLAIR-DESGAGNE, B. (2023). Internal carbon pricing. In: Journées de microéconomie appliquée (JMA). Strasbourg.

SINCLAIR-DESGAGNE, B. (2023). Ethique de l'IA – Enjeux et débats. In: Conférence "Université du troisième âge". Nice.

SINCLAIR-DESGAGNE, B. (2023). Measuring innovation and innovativeness. In: Future of Preventive Medicine and Public Health conference. Barcelone.

SINCLAIR-DESGAGNE, B. (2022). On the (non-)reliance on algorithms. In: SophI.A Summit. Sophia Antipolis.

SINCLAIR-DESGAGNE, B. (2022). Green Human Resource Management – A personnel economics perspective. In: European Association of Environmental and Resource Economists (EAERE) annual conference. Rimini.

SINCLAIR-DESGAGNE, B. (2022). Green Human Resource Management – A personnel economics perspective. In: Public Economic Theory association annual conference. Marseille.

SINCLAIR-DESGAGNE, B. (2022). Liberalism(s)/Neoliberalism(s): concepts, Theories. In: The Future of Liberalism – Japan, France and Germany in global context, online.

SINCLAIR-DESGAGNE, B. (2022). Trade and the eco-industry. In: Trade and Climate Change webinar series, World Trade Organization (WTO), online.

SINCLAIR-DESGAGNE, B. (2022). Measuring innovation and innovativeness. In: 15th International Paris Workshop of the Design Theory SIG of the Design Society. Paris, Ecole des Mines.

SINCLAIR-DESGAGNE, B. (2021). Green Human Resource Management - A personnel economics perspective. In: ESIA - GREDEG Colloquium. Sophia Antipolis.

SINCLAIR-DESGAGNE, B. (2021). Green Human Resource Management - A personnel economics perspective. In: European Association of Environmental and Resource Economics. Berlin.

SINCLAIR-DESGAGNE, B. (2021). Green Human Resource Management - A personnel economics perspective. In: Association Française de Science Economique. Paris.

SINCLAIR-DESGAGNE, B. (2021). La participation comme critère normatif - Un regard d'économiste. In: 38e Congrès de l'Association des sociétés de philosophie de langue française. Paris.

SINCLAIR-DESGAGNE, B. (2021). Reliance on algorithms and the value of control. In: FAIRR Research Seminar, Skema Business School. Lille.

SINCLAIR-DESGAGNE, B. (2020). Climate Change and Human Resource Management. In: European Economic Association Annual Meeting. Sophia Antipolis.

SINCLAIR-DESGAGNE, B. (2020). Emotions, ethique comportementale et organisations. In: Colloque: " émotion et sciences: interactions ", Faculté de Droit et Science Politique, Université Côte d'Azur. Nice.

SINCLAIR-DESGAGNE, B. (2020). Talking 'approximately' about risk and uncertainty. In: FAIRR Research Seminar, Skema Business School. Sophia Antipolis.

Faculty research seminar presentations

SINCLAIR-DESGAGNE, B. (2023). Internal carbon pricing. In: KTO internal research seminar. Sophia Antipolis.

SINCLAIR-DESGAGNE, B. (2022). IA and group decision making. In: Skema Montréal research workshop. Montréal.

Other research activities

Chief editor

Since 2020 International Review of Environmental and Resource Economics

Senior or associate editor

Since 2016	Journal of Public Economic Theory
2006 - 2022	Resource and Energy Economics

Reviewer for:

American Economic Review: Insights, Journal of Business Ethics, Journal of Economics and Management Strategy, Management International

PhD supervision

Since 2020	G. LOPEZ ALTAMIRANO, SKEMA Business School, PhD thesis, Thesis director
2022	P. EBRAHIMI, HEC Montréal, PhD thesis, Thesis director
2020	P. EBRAHIMI, PhD thesis, Thesis director