



Jean-Philippe BOUSSEMART

HDR

Full Professor, Economics

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EDUCATION

- 1991** HDR, University of Paris I Panthéon-Sorbonne, France
- 1988** Ph.D. in Economics, University of Paris I Panthéon-Sorbonne, France
- 1981** Master in Management, IÉSEG School of Management, France

RESEARCH INTERESTS

Economics

COURSES TAUGHT

- Benchmarking and performance analysis, Msc in business analysis and consulting
- Productivity and efficiency analysis, Grande école (master cycle)

INTELLECTUAL CONTRIBUTIONS

Papers in refereed journals

Published

- Boussemart J.-P., Parvulescu R., Diakité D., (2023), Performance of Water Utilities Evaluated from Different Stakeholders Perspectives: An Application to the Ivorian Sector, *Journal of Productivity Analysis*, 60(1), pp. 87-105
- Ayoub K., Boussemart J.-P., Lefer H.-B., Leleu H., Parvulescu R., (2022), An indirect, Luenberger approach to price performance, *International Journal of Production Economics*, 244(2022), pp. 108352
- Boussemart J.-P., Leleu H., Parvulescu R., (2022), Value-based performance and its decomposition into direct price and quantity effects, *European Journal of Operational Research*, 303(1), pp. 298-311
- Shen Z., Wang S., Boussemart J.-P., Hao Y., (2022), Digital transition and green growth in Chinese agriculture, *Technological Forecasting and Social Change*, 181(2022), pp. 121742
- Boussemart J. -P., Parvulescu R., (2021), Agriculture productivity gains and their distribution for the main EU members, *Revue d'Économie Politique*, 131(1), pp. 137-172
- Boussemart J.-P., Ferrier G., Leleu H., Shen Z., (2020), An Expanded Decomposition of the Luenberger Productivity Indicator with an Application to the Chinese Healthcare Sector, *Omega*, 91(2020), pp. 102010
- Boussemart J.-P., Leleu H., Mensah E., Shitikova K., (2020), Technological catching-up and growth convergence among US industries, *Economic Modelling*, 84(1), pp. 135-146

- Boussemart J.-P., Leleu H., Shen Z., Valdmanis V., (2020), Performance analysis for three pillars of sustainability, *Journal of Productivity Analysis*, 53(3), pp. 305-320
- Ayoub K., Boussemart J.-P., Lefer H.-B., Leleu H., Parvulescu R., (2019), A measure of price advantage and its decomposition into output- and input-specific effects, *European Journal of Operational Research*, 276(2), pp. 688-698
- Boussemart J.-P., Briec W., Leleu H., Ravelojaona P., (2019), On Estimating Optimal a>Returns to Scale, *Journal of the Operational Research Society*, 70(1), pp. 1-11
- Boussemart J.-P., Lefer H.-B., Leleu H., Parvulescu R., (2019), Effects of direct payments on technical catching-up in a selection of French farms, *European Review of Agricultural Economics*, 46(2), pp. 215-235
- Boussemart J.-P., Leleu H., Parvulescu R., Shitikova K., (2019), Measuring the effects of price environment : An application to U.S. industries, *Revue d'Economie Politique*, 129(1), pp. 79-104
- Boussemart J.-P., Leleu H., Shen Z., Vardanyan M., Zhu N., (2019), Decomposing banking performance into economic and credit risk efficiencies, *European Journal of Operational Research*, 277(2), pp. 719-726
- Ayoub K., Boussemart J.-P., Vigeant S., (2017), The impact of single farm payments on technical inefficiency of French crop farms, *Review of Agricultural, Food and Environmental Studies*, 98(1-2), pp. 1-23
- Boussemart J.-P., (2017), Formation et répartition des gains de productivité en élevage bovin viande. Qui sont les gagnants et les perdants entre 1980 et 2015 ?, *Economie Rurale*, 361, pp. 71-91
- Boussemart J.-P., Leleu H., Mensah E., (2017), Generation and Distribution of Total Factor Productivity Gains in US Industries, *Applied Economics*, 49(24), pp. 2379-2393
- Boussemart J.-P., Leleu H., Shen Z., (2017), Worldwide carbon shadow prices during 1990–2011, *Energy Policy*, 109(2017), pp. 288-296
- Shen Z., Boussemart J.-P., Leleu H., (2017), Aggregate green productivity growth in OECD's countries, *International Journal of Production Economics*, 189(2017), pp. 30-39
- Veysset P., Lherm M., Boussemart J.-P., Natier P., (2017), Formation et répartition des gains de productivité en élevage bovin viande Qui sont les gagnants et les perdants entre 1980 et 2015?, *Economie Rurale*, 361, pp. 71-91
- Blancard S., Boussemart J.-P., Chavas J.-P., Leleu H., (2016), Potential gains from specialization and diversification further to the reorganization of activities, *Omega*, 63, pp. 60-68
- Boussemart J.-P., Leleu H., Ojo O., (2016), Exploring cost dominance in crop farming systems between high and low pesticide use, *Journal of Productivity Analysis*, 45(2), pp. 197-214
- Berre D., Vayssières J., Boussemart J.-P., Leleu H., Tillard E., Lecomte P., (2015), A methodology to explore the determinants of eco-efficiency by combining an agronomic whole-farm simulation model and efficient frontier, *Environmental Modelling & Software*, 71, pp. 46-59
- Boussemart J.-P., Crainich D., Leleu H., (2015), A decomposition of profit loss under output price uncertainty, *European Journal of Operational Research*, 243(3), pp. 1016-1027
- Boussemart J.-P., Leleu H., Shen Z., (2015), Environmental Growth Convergence among Chinese Regions, *China Economic Review*, 34, pp. 1-18
- Boussemart J.-P., Leleu H., Valdmanis V., (2015), A two-stage translog marginal cost pricing approach for Floridian hospital outputs , *Applied Economics*, 47(38), pp. 4116-4127
- Kablan S., Boussemart J.-P., (2015), Bootstrapping efficiency scores of microfinance institutions in West African economic and monetary union, *Economics Bulletin*, 35(4), pp. 2220-2232
- Berre D., Blancard S., Boussemart J.-P., Leleu H., Tillard E., (2014), Finding the right compromise between productivity and environmental efficiency on high input tropical dairy farms: a case study, *Journal of Environmental Management*, 146, pp. 235-244
- Ayadi R., Boussemart J., Leleu H., Saidane D., (2013), Mergers and Acquisitions in European Banking. Higher productivity or better synergy among business lines?, *Journal of Productivity Analysis*, 39(2), pp. 165-175
- Berre D., Blancard S., Boussemart J., Leleu H., Tillard E., (2013), Analyse de l'éco-efficience du secteur laitier réunionnais: confrontation des objectifs productiviste et environnementaliste, *Revue d'Economie Politique*, 123(4), pp. 549-572
- Berre D., Boussemart J., Leleu H., Tillard E., (2013), Economic Value of Greenhouse Gases and Nitrogen Surpluses: Society vs Farmers' Valuation, *European Journal of Operational Research*, 226(2), pp. 325-331

- Blancard S., Boussemart J., Flahaut J., Lefer H., (2013), L'apport des fonctions distances pour évaluer la performance productive d'exploitations agricoles, *Economie Rurale*, 334, pp. 7-22
- Boussemart J., Leleu H., Ojo O., (2013), The spread of pesticides practices among cost efficient farmers, *Environmental Modelling and Assessment*, 18(5), pp. 523-532
- Boussemart J., Butault J., Ojo O., (2012), Generation and Distribution of Productivity Gains in French Agriculture. Who are the Winners and the Losers over the Last Fifty Years?, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Agriculture*, 69(2), pp. 55-67
- Blancard S., Boussemart J., Leleu H., (2011), Measuring potential gains from specialization under non-convex technologies, *Journal of the Operational Research Society*, 62(10), pp. 1871-1880
- Boussemart J., Briec W., Tavera C., (2011), More evidence on technological catching-up in the manufacturing sector, *Applied Economics*, 43(18), pp. 2321-2330
- Boussemart J., Leleu H., Ojo O., (2011), Could Society's willingness to reduce pesticide use be aligned with Farmers' economic self-interest?, *Ecological Economics*, 70(10), pp. 1797-1804
- Boussemart J., Briec W., Leleu H., (2010), Linear Programming Solutions and Distance Functions Under alpha>Returns to Scale, *Journal of the Operational Research Society*, 61(8), pp. 1297-1301
- Chemak F., Boussemart J., Jacquet F., (2010), Farming system performance and water use efficiency in the Tunisian semi-arid region: Data Envelopment Analysis Approach, *International Transactions in Operational Research*, 17(3), pp. 381-396
- Boussemart J., Briec W., Leleu H., (2009), Linear Programming Solutions and Distance Functions Under a Constant Returns to Scale Technology, *Journal of the Operational Research Society*, 60(1), pp. 72-78
- Boussemart J., Briec W., Peypoch N., Tavera C., (2009), α -Returns to Scale and Multi-Output Technologies, *European Journal of Operational Research*, 197(1), pp. 332-339
- Blancard S., Boussemart J., Briec W., Kerstens K., (2008), Technology Adoption in French Agriculture and the Role of Financial Constraints, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Agriculture*, 65(2), pp. 17-29
- Blancard S., Boussemart J., (2006), Productivité et rattrapage technologique: le cas des exploitations de grandes cultures du Nord-Pas de Calais, *Cahiers d'Economie et de Sociologie Rurales*, 80, pp. 5-28
- Blancard S., Boussemart J., Briec W., Kerstens K., (2006), Short- and Long-Run Credit Constraints in French Agriculture: A Directional Distance Function Framework Using Expenditure-Constrained Profit Functions, *American Journal of Agricultural Economics*, 88(2), pp. 351-364
- Boussemart J., Briec W., Cadoret I., Tavera C., (2006), A Re-examination of the technological catching-up hypothesis across OECD industries, *Economic Modelling*, 23(6), pp. 967-977
- Boussemart J., Saidane D., (2005), Convergence et performances des systèmes bancaires des pays de l'OCDE, *L'Actualité économique*, 8(4), pp. 617-664
- Blancard S., Boussemart J., Kerstens K., (2003), L'influence des contraintes de financement de court terme sur le profit des exploitations agricoles: Une approche non paramétrique, *Économie et Prévision (articles académiques)*, 159(3), pp. 71-81
- Boussemart J., Briec W., Kerstens K., Poutineau J.-C., (2003), Luenberger and Malmquist Productivity Indices: Theoretical Comparisons and Empirical Illustration, *Bulletin of Economic Research*, 55(4), pp. 391-405
- Boussemart J., Dervaux B., Saidane D., (1999), L'Influence des Surcapacités sur les Coûts des Banques Françaises, *Revue d'Économie Industrielle*, 89(3), pp. 29-48
- Boussemart J., Robert E., (1999), Convergence des productivités dans l'industrie manufacturière: une comparaison du couple franco-allemand aux autres pays industrialisés, *Économie et Prévision (articles académiques)*, 137(1), pp. 33-46
- Boussard J.-M., Boussemart J., Flichman G., Jacquet F., Lefer H.-B., (1997), Les effets de la réforme de la PAC sur les exploitations de grande culture, *Economie Rurale*, (239), pp. 20-29
- El Asraoui H., Boussemart J. P., (1997), Rentabilité de la jachère énergétique pour l'agriculture du Pas-de-Calais: Une évaluation micro-économique, *Cahiers Lillois d'Economie et de Sociologie*, 29(xx), pp. 159-173
- Boussard J., Boussemart J., Flichman G., Jacquet F., Lefer H.-B., (1996), Prévoir les effets de la réforme de la Politique Agricole Commune sur deux régions agricoles françaises: application d'un modèle bio-économique, *Canadian Journal of Agricultural Economics*, 44(2), pp. 121-138

Kestemont M., Wibaut S., Boussemart J., (1996), Risk-Return Efficiency Frontier in the Banking Sector: An Application to U.S. Banks, *CEMS Business Review*, 1(3), pp. 213-220

Piot I., Boussemart J., Dervaux B., Vermersch D., (1995), Efficacité technique et gains potentiels de productivité des exploitations céréalières françaises, *Économie et Prévision (articles académiques)*, (117-118), pp. 117-127

Boussemart J., Dervaux B., (1994), Diagnostic de l'efficacité productive par D.E.A.: application à des élevages porcins, *Cahiers d'Economie et de Sociologie Rurales*, 31, pp. 44-58

Leleu H., Dervaux B., Lebrun T., Boussemart J., (1994), Construction d'un indice de productivité pour le secteur hospitalier public, *Cahiers Lillois d'Economie et de Sociologie*, 24, pp. 27-26

Boussemart J., Milléquant F., (1991), Taux de change et performances à l'exportation des Etats-Unis dans le commerce mondial des produits agricoles, *Cahiers d'Economie et de Sociologie Rurales*, 20, pp. 91-113

Boussemart J., (1990), Facultés contributives des exploitations agricoles et prélèvements sociaux des agriculteurs, une observation micro-économique de la répartition des cotisations au regard du revenu de l'outil de production, *Revue Française de Finances Publiques*, (31), pp. 147-160

Boussemart J., (1989), Changements technologiques et demandes de facteurs de production, une analyse de la modification des combinaisons productives de l'agriculture française, *Economie Rurale*, (192), pp. 75-80

Forthcoming

Niu Y., Boussemart J.-P., Shen Z., Vardanyan M., (2024), Performance evaluation using multi-stage production frameworks: assessing the tradeoffs among the economic, environmental, and social well-being, *European Journal of Operational Research*, xxx(xxx), pp. xxx

Papers in non-refereed journals

Published

Boussemart J.-P., Briec W., Tavera C., PERMAN R., (2020), Influence de la distance technologique sur le coefficient de la loi d'Okun, *Revue Internationale des économistes de langue française*, 5(1), pp. 78-99

Communications in refereed conferences

International

Boussemart J. -P., Leleu H., Parvulescu R., (2021), *Value efficiency and its decomposition into direct price and quantity effects* Journées de microéconomie appliquées, Annecy (en ligne), France

Ayoub K., Boussemart J.-P., Lefer H.-B., Leleu H., Parvulescu R., (2017), *Are my prices better than my neighbours? Beyond allocative efficiency, a measure of price advantages* XV EAAE Congress, Parma, Italy

Boussemart J.-P., Leleu H., Parvulescu R., Shitikova K., (2017), *Emphasizing price effects in U.S. industries* European Workshop on Efficiency and Productivity Analysis, London, United Kingdom

Kassoum A., Vigeant S., Boussemart J.-P., (2013), *The impact of SFPs on Technical Efficiency of Crop Farms* Thirteenth European Workshop on Efficiency and Productivity Analysis, Helsinki, Finland

Berre D., Vayssière J., Boussemart J., Leleu H., Tillard E., (2012), *Combining farm simulation with frontier efficiency analysis* 10th European IFSA Symposium, Aarhus, Denmark

Boussemart J., Van den Eeckhaut P., (2011), *Cost efficiency of farms with heterogenous production using non convex* XII European Workshop on Efficiency and Productivity Analysis, Verona, Italy

Leleu H., Boussemart J., Ojo O., (2011), *Could Society's willingness to reduce pesticide use be aligned with Farmers' economic self-interest?* XIIIth Congress of the European Association of Agricultural Economists, Zurich, Switzerland

Leleu H., Ayadi R., Boussemart J., Saidane D., (2010), *Mergers & Acquisitions and Efficiency in European Banking: A catching-up effect hypothesis* International Conference on Global Trends in the Efficiency and Risk Management, Chania, Greece

Blancard S., Boussemart J., Leleu H., (2009), *Measuring potential gains of specialization under non-convex technologies* 11th European Workshop on Efficiency and Productivity, Pisa, Italy

Leleu H., Ayadi R., Boussemart J., Saidane D., (2008), *Mergers & Acquisitions and Efficiency in European Banking: A catching-up effect hypothesis* SUERF / BCL conférence « Productivity in the Financial Services Sector », Luxembourg, Luxembourg

Blancard S., Boussemart J.-P., Briec W., Kerstens K., (2007), *Technology Adoption in French Agriculture and the Role of Financial Constraints* Tenth European Workshop on Efficiency and Productivity, Lille, France

Boussemart J., Butault J., Delame N., Matvejef E., Rousselle J., (2006), *Economies of scale and optimal farm size in the Estonian dairy sector* 96th EAAE Seminar, Tanikon, Switzerland

Boussemart J., Butault J., Delame N., Matvejef E., Rousselle J., (2006), *Economies of scale and optimal farm size in the Estonian dairy sector* XXIIIèmes Journées de Microéconomie Appliquée, Nantes, France

National

Parvulescu R., Boussemart J.-P., Kahindo S., (2023), *L'impact de l'inflation sur la distribution des gains de productivité de l'agriculture française* 17èmes journées de recherche en sciences sociales INRAE, SFER, CIRAD, Paris-Saclay, France

Ayoub K., Boussemart J.-P., Lefer H.-B., Leleu H., Parvulescu R., (2017), *Are my prices better than my neighbours? Beyond allocative efficiency, a measure of price advantages* Journées de Microéconomie appliquée, Le Mans, France

Parvulescu R., Boussemart J.-P., Leleu H., Lefer H.-B., (2016), *Effects of direct payments on technical catching-up and structural convergence processes in a selection of French farms* 33èmes Journées de Microéconomie Appliquée à Besançon, Besançon, France

Parvulescu R., Boussemart J.-P., Leleu H., Lefer H., (2015), *Effects of direct payments on technical catching-up and structural convergence processes in a selection of French farms* 9èmes Journées de Recherches en Sciences Sociales, Nancy, France

Berre D., Blancard S., Boussemart J., Leleu H., Tillard E., (2012), *Analyse de l'efficience éco-environnementale des exploitations laitières réunionnaises* 29ème Journées de la Microéconomie Appliquée (JMA), Brest, France

Boussemart J., Butault J., Ojo O., (2012), *Generations and distributions of Productivity gains in French Agriculture* Journées INRA-SFER-CIRAD de recherches en sciences sociales, Toulouse, France

Boussemart J., Leleu H., Ojo O., (2012), *Exploring cost dominance between high and low pesticide use in French crop farming systems by varying scale and output mix* Journées de Recherches en Sciences Sociales, Toulouse, France

Kassoum A., Vigeant S., Boussemart J.-P., (2012), *The impact of SFPs on Technical Efficiency of Crop Farms* Vingt-neuvième journées de microéconomie appliquée, Brest, France

Berre D., Blancard S., Boussemart J., Leleu H., Tillard E., (2011), *Analyse de l'efficience éco-environnementale des exploitations laitières réunionnaises*. 5èmes Journées de Recherches en Sciences Sociales, Dijon, France

Boussemart J., Kassoum A., Vigeant S., (2011), *Impact de l'introduction des DPU sur l'efficacité technique des exploitations agricoles* 5èmes Journées de recherche en sciences sociales de l'INRA-SFER-CIRAD, Dijon, France

Boussemart J., Leleu H., Ojo O., (2011), *The spread of pesticide practices among cost efficient farmers* 5èmes Journées de recherche en sciences sociales de l'INRA-SFER-CIRAD, Dijon, France

Leleu H., Boussemart J., Ojo O., (2010), *Could Society's willingness to reduce pesticide use be aligned with Farmers' economic self-interest?* 4èmes journées INRA-SFER-CIRAD de recherches en sciences sociales, Rennes, France

Leleu H., Blancard S., Boussemart J., (2008), *Measuring gains of specialization under non convex technologies* 2èmes Journées INRA-SFER-CIRAD de recherches en sciences sociales, Lille, France

Blancard S., Boussemart J., (2006), *Convergence des performances productives agricoles: le cas des exploitations de grandes cultures du Nord-Pas de Calais* XXIIIèmes Journées de Microéconomie Appliquée, Nantes, France

Boussemart J., Briec W., Peypoch N., Tavera C., (2006), *Returns to Scale Multi-Output Production Technologies* XXIIIèmes Journées de Microéconomie Appliquée, Nantes, France

Other conference and seminar presentations

National

Kassoum A., Vigeant S., Boussemart J.-P., (2011), *The impact of SFPs on Technical Efficiency of Crop Farms* Colloque « POPSY », Lille, France

Leleu H., Blancard S., Boussemart J., Crainich D., (2008), *How can allocative inefficiency reveal risk preference? An empirical investigation on French wheat farms* 2èmes Journées INRA-SFER-CIRAD de recherches en sciences sociales, Lille, France

Chapters in books

Published

El Asraoui H., Boussemart J., Lesourd J., (1999), Rentabilité des cultures énergétiques et frontières d'efficacité. La méthode DEA: Analyse des performances, in: P.Y. Badillo, J.C. Paradi(Eds.), *La méthode DEA, analyse des performances*, 2-7462-0032-5, HERMES Science Publications – Lavoisier, Paris, chapter 10, pp. 286-303

Working papers

Boussemart J. -P., Leleu H., Parvulescu R., (2021), *Value efficiency and its decomposition into direct price and quantity effects*

Boussemart J. -P., Parvulescu R., (2019), *Agriculture productivity gains and their distribution for the main EU members*, IESEG Working Paper Series 2019-EQM-07

Boussemart J.-P., Briec W., Leleu H., Ravelojaona P., (2016), *On Estimating Optimal a>Returns to Scale*, IESEG Working Paper Series 2016-EQM-01

Boussemart J., Leleu H., Mensah E., (2014), *Generation and Distribution of Total Factor Productivity Gains in US Industries*, IESEG Working Paper Series 2014-ECO-02, LEM Working Paper 2014-01

Boussemart J., Demil B., De la Villarmois O., Lecocq X., Leleu H., (2013), *A method to analyze profit differential between firms*, IESEG Working Paper Series 2013-ECO-01, LEM Working Paper 2013-01

Boussemart J., Leleu H., Valdmanis V., (2013), *Price of Medicaid and Uncompensated Care compared to Medicare and Private care: A translog shadow pricing approach for Floridian hospital outputs*, IESEG Working Paper Series 2013-ECO-02, LEM Working Paper 2013-02, IESEG

Boussemart J., Crainich D., Leleu H., (2012), *A decomposition of profit inefficiency into price expectation error, preferences towards risk and technical inefficiency*, IESEG Working Paper Series 2012-ECO-04, LEM Working Paper 2012-05, IESEG

Boussemart J., Leleu H., Ojo O., (2012), *Exploring cost dominance between high and low pesticide use in French crop farming systems by varying scale and output mix*, IESEG Working Paper Series 2012-ECO-11, LEM Working Paper 2012-10

Boussemart J., Butault J., Ojo O., (2012), *Generation and distribution of productivity gains in French agriculture. Who are the winners and the losers over the last fifty years?*, IESEG Working Paper Series 2012-ECO-15, LEM Working Paper 2012-14

Berre D., Boussemart J., Leleu H., Tillard E., (2012), *Economic Value of Greenhouse Gases and Nitrogen Surpluses: Society vs Farmers' Valuation*, IESEG Working Paper Series 2012-ECO-02, LEM Working Paper 2012-03

Berre D., Vayssières J., Boussemart J., Leleu H., Tillard E., Lecomte P., (2012), *Combining farm simulation with frontier efficiency analysis*, IESEG Working Paper Series 2012-ECO-16, LEM Working Paper 2012-16

Blancard S., Boussemart J., Crainich D., Leleu H., (2008), *How can allocative inefficiency reveal risk preference? An empirical investigation on French wheat farms*, IESEG Working Paper Series 2008-ECO-02, LEM Working Paper 2008-02, IESEG

Blancard S., Boussemart J., Briec W., Kerstens K., (2005), *Short- and Long-Run Credit Constraints in French Agriculture: A Directional Distance Function Framework Using Expenditure-Constrained Profit Functions*, IESEG Working Paper Series 2005-ECO-02, IESEG

EDITORIAL ACTIVITY

Reviewer in an academic journal

OMEGA

RESEARCH ACTIVITIES

Supervision of HDR:

- 2023** Director, Production agricole, Environnement et Politiques publiques : une analyse par la modélisation agroéconomique, LEM UMR CNRS
- 2023** Director, The contribution to performance and productivity analysis with undesirable outputs, IÉSEG School of Management

Supervision of Ph.D. Thesis:

- 2018** Co-director, Productivity gains decomposition and distribution of the price effects among stakeholders , University of Lille
- 2013 - 2017** Director, La convergence des productivités : comparaison entre la zone euro et les autres pays OCDE, IÉSEG School of Management
- 2016** Director, Essays on Green Productivity, University of Lille
- 2014** Director, Les nouveaux enjeux économiques et environnementaux des productions animales : développements méthodologiques par une approche interdisciplinaire des frontières d'efficience, University of Lille 1
- 2013** Director, Analyse des choix technologiques dans la production des grandes cultures et leur impact sur l'environnement, University of Lille 1