

Curriculum Vitae

DAMIEN ÉCHEVIN, PhD

Economist and international consultant

Research professor

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Citizenships: French, Canadian

Damien Échevin, an economist and research associate at the University of Sherbrooke clinical research center and at the department of economics of Laval University, has a broad range of expertise in public economics, development economics, applied econometrics, statistics and labor and health economics. He specializes in economic research and consulting to major international organizations and governments. He builds on his expertise in development economics and in the healthcare sector to help understanding and assessing the impact of policies and programs as well as major issues related to their implementation. In his carrier, he has led teams for assessment and impact evaluation purposes in various developing countries. He also conducted and carried out a dozen of evaluation surveys and survey questionnaires on various topics. By assisting public sector organizations, he aims to contribute toward the implementation of innovative interventions and efficient redistributive mechanisms, favoring human development and the autonomy of targeted poor, vulnerable or diseased populations. His publications include a variety of reports and articles in scientific reviews.

EDUCATION

February 2001: Ph.D. in economics, passed with highest honors, University of Paris 1 (Sorbonne) – Paris School of Economics

1997: M.Phil. in economics (Diplôme d'Etudes Approfondies), University of Paris 1 (Sorbonne) – Paris School of Economics

1995: MSc. in statistics (ENSAI), National College of Statistics and Information Analysis

1995: Maîtrise in economics, University of Paris 9 (Dauphine)

OCCUPATIONS AND AFFILIATIONS

- 2016-present:** Adjunct professor, department of economics, Laval University, Canada
- 2011-present:** Associate researcher, centre interuniversitaire sur le risque, les politiques économiques et l'emploi (CIRPÉE)
- 2010-present:** Researcher, clinical research center, University Hospital Sherbrooke-Canada
- 2009-present:** Adjunct professor, faculty of medicine and health science (public health), Sherbrooke University, Canada
- 2006-2009:** Assistant professor, faculty of administration (economics), Sherbrooke University, Canada
- 2005-2006:** Economist, The World Bank (PREM-Africa region), Washington DC and Dakar-Senegal
- 2002-2004:** Economist, French Treasury / Forecasting Directorate (fiscal studies), Ministry of Finance, Paris-France
- 2001:** Postdoctoral research fellow, CREFA, Laval University, Québec-Canada
- 2000-2001:** Research fellow, INRA, Laboratoire de Recherche sur la Consommation, Ivry/Seine-France
- 1998-1999:** Statistics expert: OECD (IEA), Paris-France; ORS, Paris-France
- 1996:** Military service, Defence Ministry, Financial Directorate, Paris-France
- 1995-1999:** Research assistant (CEPREMAP, OFCE, CERC, INSEE), Paris-France

CORPORATE POSITIONS

- 2017-present:** CEO, Apexmachina (<http://apexmachina.com/>)
- 2015-present:** Co-Founder, Econ3D (<http://econ3d.com/>)

PROFESSIONAL SERVICE

Selected International Development Expertise

- **Regional Report on Lessons Learned from Africa's Social Protection Public Expenditure Reviews (2018, ongoing)**
World Bank
Writing of regional report (co-authored).
- **Madagascar Social Protection Public Expenditure Review (2018, ongoing)**
World Bank
Lead consultant for the drafting of the Madagascar Social Protection PER: assessing the share, importance and targeting performance of social protection expenditures in Madagascar; analysing the incidence of social programs and mitigation mechanisms of fuel subsidy removal on poor households.
- **Liberia: Household Income Expenditure Project and National Economic Crisis (2018)**
African Development Bank & LISGIS
In-Depth analysis of gender in the Liberia Household Income and Expenditure Survey (HIES) 2014; 2016/2017: report writing and capacity building of Liberia Institute of Statistics and Geo-Information Services (LISGIS) technical staff (technical assistance to LISGIS).
- **Papua New Guinea: Gender-Differentiated Labor Allocation in Agriculture Study and PPAP Impact Evaluation (2017)**
World Bank
Designing a time-use and gender module for the Productive Partnerships in Agriculture Project (PPAP) impact evaluation; designing a sampling frame and ensuring quality control during the data collection process; conducting time-use analysis that identifies gender-disaggregated trends in time allocation and links these patterns to household welfare outcomes; conducting impact evaluation studies on households' production, time allocation and well-being.
- **Haiti Priorise: Comparative Cost-Benefit Analysis of Education and Social Protection Interventions in Haiti (2017)**
Copenhagen Consensus Center
Commissioned CBA papers
- **Niger Health Service Delivery Indicators Program (2016)**

World Bank

Perform various econometric and statistical analyses on a facility survey dataset from Niger

- **Integrating SEE (Simulations for Equity in Education) Model into a Pro-Equity Strategy Development Process (2015-2016)**

World Bank

Evaluating pro-equity and cost-effective education interventions in developing countries; organizing workshops in Haiti and Dominican Republic (capacity building); Publishing case studies for various developing countries (Haiti, DR, Uganda,...).

- **Guyana: Gender Impact Evaluation of the “Second Low Income Settlement Program” (2015)**

Inter-American Development Bank

Lead consultant for program evaluation: preparing design and validation tool for data collection, field pilot testing and implementation; supporting the strengthening of the executing program unit on impact evaluation tools related to poverty, vulnerability and gender issues (capacity building)

- **Socio-economic Impact of Ebola Virus Disease in West African Countries (2014)**

United Nations Development Program

Lead consultant for a study on the social and economic impact of the Ebola Virus Disease epidemic in West African countries

- **El Salvador: Caracterización de Vulnerabilidad en Quebradas y Ríos del Área Metropolitana de San Salvador (2014)**

Inter-American Development Bank

Assessing vulnerability in the Squatter Settlements of San Salvador. Descriptive analysis and comparisons of both waves of the household survey-panel “Caracterización de la vulnerabilidad en asentamientos urbanos precarios del area metropolitana de San Salvador”. Econometric analysis of household responses to shocks in MASS using multishock panel data.

- **Haiti Poverty Assessment (2014)**

World Bank

Remittances, private transfers and poverty; poverty trends in Haiti.

- **Ivory Coast: National Strategy of Social Protection (2013)**

World Bank

Targeting and ex-ante impact evaluation of social programs: Proxy means test, methodology and estimation. Incidence analysis and impact analysis of social transfers.

- **Southern Africa Youth Employment and Productivity Study (2013)**

World Bank

Migration in Southern Africa: A regional overview of migration patterns, impacts and policies.

- **Senegal: Casamance Youth Employment Assessment (2012-2013)**

World Bank

Leading a team for the assessment of youth employment in Casamance; designing household-level and firm-level surveys; providing quantitative analysis and qualitative analysis based on focus groups and stakeholders assessment

- **Senegal Poverty Assessment (2012)**

World Bank

Poverty, gender and labor market analysis.

- **Panamá: Proyecto de Protección Social (2012)**

Government of Panama

Revisión de los instrumentos de focalización PMT del programa Red de Oportunidades: Designing targeting instruments for social protection program

- **Assessment of Youth Employment Opportunities in Senegal's Agricultural Sector (2012)**

International Youth Foundation/USAID

Leading a team for the dual-client assessment of youth employment and enterprise development in the agricultural sector in Northern Senegal; designing household-level and firm-level surveys; providing quantitative analysis and qualitative analysis based on focus groups and stakeholders assessment

- **Senegal Assessment of Social Safety Nets (2011-2012)**

World Bank

Targeting performance of social transfers: Incidence analysis of social transfers and utilities subsidies. Proxy means test: methodology and estimation.

- **Haiti Household Survey of Living Conditions Post-Earthquake (2011)**

World Bank & IRD

Questionnaire design; Pilote test.

- **El Salvador: Apoyo Al Sistema De Proteccion Social Universal (2010-2011)**
Inter-American Development Bank
 Vulnerability in urban El Salvador: Designing a vulnerability survey for the urban squatter settlements of San Salvador. Risks and vulnerability assessment.
- **Haiti Post-Earthquake Assessment of Assistance Programs (2010)**
World Bank
 Assessing the allocation of emergency relief funds after the 2010 earthquake in Haiti using Emergency Food Security Assessment surveys I and II.
 Analysis of the labor market and food/cash for work programs.
- **AAA on Human Capital and Social Policies for Good Quality Job Creation in Central America (2010)**
World Bank
 Migration and educational attainment in Central America (El Salvador and Guatemala): Analysis of international migration prospects and educational attainment incentives comparing national household surveys to the American community survey
- **Haiti Assessment of Social Safety Nets (2009-2010)**
World Bank
 Risks and vulnerability assessment: Characterizing poverty and vulnerability in Haiti with various households surveys. Assessing the targeting performance of social safety nets.
- **Mauritius Country Economic Memorandum (2009)**
African Development Bank & World Bank
 Labor income and employment in a transition economy: Analysis of earnings inequality and labor supply in a period of economic transition in Mauritius (2001-2007)
- **Senegal Country Economic Memorandum (2007)**
World Bank
 Labor market issues: Assessing the productivity gap between formal and informal sectors in Senegal.
- **Poverty Economist (2005-2006)**
World Bank
 Extended Term Consultant. Supporting PRSP teams, national statistical offices and regulation agencies in West Africa. Analytical work on poverty, migration, targeting performance of utility subsidies; poverty mapping. Organization of training sessions and workshops in Dakar (Senegal), Ouagadougou (Burkina-Faso), Conakry (Guinea) and Praia (Cape Verde).

Selected Surveys

(See short description here: <http://damienechevin.com/surveys.html>)

- Productive Partnerships in Agriculture Project impact evaluation survey, Papua New Guinea, 2017.
- Low income settlement program beneficiaries survey (LISPBS), Co-operative Republic of Guyana, 2015.
- Enquête sur les entreprises et l'emploi des jeunes de la région de Saint-Louis (EEEJSL), Senegal, 2012.
- Enquête sur l'emploi des jeunes de la région de Saint-Louis (EEJSL), Senegal, 2012.
- Enquête sur les entreprises et l'emploi des jeunes en Casamance (EEEJC), Senegal, 2013.
- Enquête casamançaise sur l'emploi des jeunes (ECEJ), Senegal, 2012.
- Encuesta de vulnerabilidad social, Red de Oportunidades, Panama, 2012.
- Enquête sur les conditions de vie des ménages après séisme (ECVMAS), Haiti, 2012-2013.
- Encuesta de caracterización de la vulnerabilidad en asentamientos urbanos precarios del area metropolitana de San Salvador, El Salvador, 2011, 2013 (panel data).

PUBLICATIONS

Peer-Reviewed Publications

1. End-of-life medical spending in last twelve months of life is lower than previously reported, *Health Affairs*, 2017, 36 (7), 1211-1217. (with E. B. French, J. McCauley, M. Aragon, P. Bakx, M. Chalkley, S. H. Chen, B. J. Christensen, H. Chuang, A. Côté-Sergent, M. De Nardi, E. Fan, P-Y. Geoffard, C. Gastaldi-Ménager, M. Gørtz, Y. Ibuka, J. B. Jones, M. Kallestrup-Lamb, M. Karlsson, T. J. Klein, G. de Lagasnerie, P-C. Michaud, O. O'Donnell, J. S. Skinner, E. van Dooslaer, N. R. Ziebarth, and E. Kelly)
2. The concentration of hospital-based medical spending: Evidence from Canada, *Fiscal Studies*, 2016, 37 (3-4), 627-651. (with A. Côté-Sergent and P.-C. Michaud)

3. Physician payment mechanisms, hospital length of stay and risk of readmission: A natural experiment, *Journal of Health Economics*, 2014, 36, 112-124. (with B. Fortin)
4. Characterizing vulnerability to poverty in rural Haiti: A multilevel decomposition approach, *Journal of Agricultural Economics*, 2014, 65 (1), 131-150.
5. Measuring vulnerability to asset-poverty in sub-Saharan Africa, *World Development*, 2013, 46, 211-222.
6. Employment and education discriminations against disabled persons in Cape Verde, *Applied Economics*, 2013, 45 (7), 857-875.
7. Shocks and coping strategies in the urban squatter settlements of San Salvador, *Poverty & Public Policy*, 2013, 5 (2), 180-202. (with L. Tejerina)
8. Livelihoods and the allocation of emergency assistance after the Haiti earthquake, *World Bank Policy Research Working Paper Series*, 2011, WPS5851.
9. Vulnerability and livelihoods before and after the Haiti earthquake, *World Bank Policy Research Working Paper Series*, 2011, WPS5850.
10. Health and income: A robust comparison of Canada and the US, *Journal of Health Economics*, 2011, 30 (2), 293-302. (with J-Y. Duclos)
11. Ricardian or spender consumers? Evidence from a taxpayer survey questionnaire, *Economics Bulletin*, 2010, 30 (2), 1526-1538.
12. What determines productivity in Senegal? Sectoral disparities and the dual labor market, *Journal of Development Studies*, 2009, 45 (10), 1707-1730. (with F. Murtin)
13. Bi-polarization comparisons, *Economics Letters*, 2005, 78, 153-159. (with J-Y. Duclos)
14. L'individualisation de l'impôt sur le revenu : équitable ou pas ?, *Économie et Prévision*, 2003, 160-161 (4-5), 149-165.
15. Fiscalité et mariage, *Économie Publique/Public Economics*, 2003, 13 (2), 125-150. (with S. Buffeteau)
16. Les indicateurs de polarisation et leur application à la France, *Économie et Prévision*, 2002, 155 (4), 13-30. (with A. Parent)
17. Consommation et chômage : une étude empirique sur données micro-économiques américaines, *Économie et Statistique*, 1999, 324-325, 75-101.
18. Nouvelles approches des comportements d'épargne et de consommation, *Économie et Statistique*, 1999, 324-325, 9-18, reprinted in *Problèmes Économiques* 2634, 1-6.

19. Perspectives à moyen terme des finances sociales de la France, *Revue de l'OFCE*, 1996, 56, 7-43. (with G. Cornilleau and X. Timbeau)

Chapters in an Edited Volume

20. Migration, remittances, and poverty in Senegal, in Q. Wodon (ed.), *Migration, remittances, and poverty: Case studies from West Africa*, 2006, World Bank Working Paper No 78. (with C. Tsimpo and Q. Wodon).
21. La prime pour l'emploi, in *L'Économie française*, INSEE, Édition 2002-2003, 2002, 205-218. (with J-M. Aubert and E. Lefebvre)
22. Les connaissances, attitudes, croyances et comportements face au sida en France : évolutions 1992-1994-1998, 1999, Paris: ORS Île-de-France. (with I. Gremy and N. Beltzer)
23. Les connaissances, attitudes, croyances et comportements face au sida en Île-de-France : évolutions 1992-1994-1998, 1999, Paris: ORS Île-de-France. (with I. Gremy and N. Beltzer)
24. La polarisation des revenus salariaux en France, in *Mesurer les inégalités*, MiRe-DREES, 1999, vol. 2, 137-146. (with A. Parent)

Under Evaluation or Revision

25. Household allocation of time and efficiency in Papua New Guinea.
26. Shocks, mobility, welfare and coping strategies: Evidence from urban squatter settlements in San Salvador. (with L. Tejerina)
27. Indirect costs of an epidemic: The economic impacts of the Ebola virus outbreak in West Africa. (with A. Odusola)
28. Gender, housing and happiness. (with O. Chevalier)
29. Hospital readmission is highly predictable from deep learning. (with Q. Li and M-A. Morin)
30. Trends and decomposition of hospital healthcare costs in Quebec. (with M-A. Morin)
31. How much of hospital costs and quality of care can be attributed to physicians? Evidence from matched patient-physician data. (with M-A. Morin)
32. Physician fees and endoscopy waiting times: Evidence from hospital data. (with J. Setrakian)

33. Taxation and marriage: Evidence from a natural experiment in France. (with S. Buffeteau)
34. Taxing the Rich: Evidence from wealth tax experiments in France.

Papers in Preparation

35. Rebalancing social protection against elites? Lessons learned from Africa's Social Protection Public Expenditure Reviews. (with D. Mavridis, S. Paternostro and J. Rigolini)
36. Requiem for the PMT or unexpected renewal? Poverty is highly predictable from deep learning. (with H. Coulombe and Q. Li)
37. Development paths and finance: Some empirical evidence. (with S. Guimbert)
38. Post-shock recovery, adaptation and coping strategies. (with L. Tejerina)
39. Youth employment in Senegal: Regional and sectoral disparities. (with J. Bandiaky)
40. Physician remuneration mechanisms, healthcare quality and costs: Evidence from a natural experiment. (with B. Fortin and N. Jacquemet)
41. Assessing the effect of permanent income on health: Evidence from a panel of older Canadian. (with Q. Li, A. A. Cohen and H. Payette)
42. Activity-based financing in Quebec: Did it work? (with P-C. Michaud)
43. Measuring the impact of physicians: Physician value-added and patient health outcomes. (with B. Fortin and P-C. Michaud)

Working Papers and Communications

44. A direct test of (in)efficiency within couples: Tax optimization behaviors in French couples, 2013, communication at the CIRPEE annual conference, Lac Beauport. (with O. Bargain and N. Moreau)
45. Taxing the Rich: Evidence from wealth tax experiments in France, 2013, communication at the annual conference of the Canadian Economic Association, Montreal.
46. Heterogeneous impacts of Progresa-Oportunidades on households' vulnerability: Evidence from randomized and non-randomized experiments in rural and urban Mexico, 2013, communication at the annual congress of the Société Canadienne de Sciences Economiques, Quebec. (with L. Tejerina)

47. Youth employment in northern Senegal: Creating jobs opportunities for young people, 2013, communication at the Global Partnership for Youth Employment conference “Ideas4Work: Youth Employability and Entrepreneurship in Africa”, Dakar.
48. Food security, livelihoods and the allocation of emergency assistance after the Haiti earthquake, 2012. (with P. Horjus)
49. Targeting post-disaster public works programs in Haiti, 2012. (with F. Lamanna and A-M. Oviedo)
50. Food security and the allocation of emergency relief funds after the 2010 earthquake in Haiti, 2011, communication at the DIAL development conference “Shocks in developing countries”, Paris.
51. Identification of the productivity gap between formal and informal sectors in three West African countries, 2009, communication at the CSAE conference, Oxford. (with F. Murtin)
52. Social polarization vs. income polarization, 2008, Working Paper, Université de Sherbrooke.
53. Energy subsidies, electricity and water tariffs and the poor in Cape Verde, in Q. Wodon (ed.), Electricity tariffs and the poor: Case studies for sub-saharan Africa, 2007, Working Paper, The World Bank. (with D. Angel-Urdinola, M. Francisco, P. Meier and Q. Wodon)
54. The individualization of income tax in France: A micro-simulation approach, 2004, Working Paper, OECD CTPA/CFA/WP2(2004)32.

REPORTS

(published reports not quoted)

For the World Bank

1. Household allocation of time and efficiency in Papua New Guinea, 2017, Technical Report & Policy Note, The World Bank.
2. Simulations for equity in education in Uganda, 2017, Technical Report, The World Bank.
3. Time-use studies in PNG: literature review and survey design, 2016, Technical Report, The World Bank.
4. Health Service Delivery in Niger, 2016, Technical Report, The World Bank.
5. Simulations for equity in education in Haiti, 2015, Technical Report, The World Bank.

6. Simulations for equity in education in Dominican Republic, 2015, Technical Report, The World Bank.
7. Poverty trends in Haiti, 2014, Methodological Note, The World Bank.
8. Remittances, private transfers and poverty alleviation in Haiti, 2014, Technical Report, The World Bank.
9. Targeting and ex-ante impact evaluation of social programs in Ivory Coast, 2013, Technical Report, The World Bank.
10. Casamance youth employment assessment, 2013, Technical Report, The World Bank.
11. Migration in Southern Africa: A regional overview of migration patterns, impacts and policies, 2013, Technical Report, The World Bank.
12. Poverty, gender and the labor market: Senegal 2001-2011, 2012, Technical Report, The World Bank.
13. Enjeux et options pour le ciblage des programmes et transferts sociaux au Sénégal, 2011, Technical/Policy Note, The World Bank.
14. Performance du ciblage des subventions aux services d'eau et d'électricité au Sénégal, 2011, Technical/Policy Note, The World Bank.
15. International migration, earnings and educational attainment in El Salvador, 2010, Technical Report, The World Bank.
16. International migration, earnings and educational attainment in Guatemala, 2010, Technical Report, The World Bank.
17. Social safety nets in Haiti, 2009, Technical Report, The World Bank. (with A. Borgarello and F. Lamanna)
18. Risks and vulnerability in Haiti, 2009, Technical Report, The World Bank.
19. Labor income and employment in a transition economy: Mauritius 2001-2007, 2009, Technical Report, The World Bank.

For the Inter-American Development Bank

20. Evaluation of Guyana second low income settlement program, 2015, Technical Report, Inter-American Development Bank.

21. Análisis de las evoluciones en las condiciones de vida de los hogares de la encuesta de vulnerabilidad en asentamientos urbanos precarios del área metropolitana de San Salvador (2011-2013), 2014, Technical Report, Inter-American Development Bank.
22. Vulnerability in the urban squatter settlements of San Salvador: Survey design, 2010, Technical Report, Inter-American Development Bank.

Others

23. Analysis of Gender in the Liberia Household Income and Expenditure Survey, 2018, Technical Report, African Development Bank & LISGIS.
24. Interventions to improve access, retention and learning outcomes in Haitian primary education, 2017, Technical Report, Copenhagen Consensus Center (Haiti Priorise).
25. Comparative cost-benefit analysis of social protection interventions in Haiti, 2017, Technical Report, Copenhagen Consensus Center (Haiti Priorise).
26. Regional study on the socio-economic impact of the Ebola outbreak in West Africa, 2014, Technical Report, UNDP.
27. Modèle COMPAS 2050 : Imputations des coûts des maladies, 2014, Technical Report, CEDIA. (with A. Coté-Sergent, P-C. Michaud and M-A. Morin)
28. Youth employment in northern Senegal: Creating jobs opportunities for young people, 2013, Technical Report, International Youth Foundation/USAID.
29. Revisión de los instrumentos de focalización PMT del programa Red de Oportunidades, 2012, Technical Report, República de Panamá.

ACADEMIC RESEARCH GRANTS

FQRSC	New researcher grant, 2009-2010 (principal applicant)
CIHR/Infoway	Health research grant, 2008-2010 (co-principal applicant)
SSHRCC	Institutional research grant, 2008-2009 (principal applicant)
Sherbrooke Univ.	Faculty research grant, 2006-2008 (principal applicant)
Laval Univ.	Post-doc research grant, 2001
INRA	Phd research grant, 2000-2001

REFEREEING

Actualité Économique, Annales d'Économie et de Statistique, Applied Economics, Distasters Journal, Eastern Economic Journal, Économie et Statistique, Fiscal Studies, Journal of Applied Economics, Journal of Asian Economics, Journal of Development Studies, Journal of Economic Inequality, Journal of Health Economics, Journal of Public Economics, National Tax Journal, Sociologie et Société.

CONFERENCES AND SEMINARS (2009-)

Haiti Priorize Eminent Panel Conference, May 2017 – Conférence de la société canadienne de science économique, May 2016 (*Industrial Alliance Research Chair on the Economics of Demographic Change* Conference Grant) – Journées S-POP, April 2015 – CIRPEE Annual Conference, September 2013 – 47th Annual Conference of the Canadian Economics Association, May 2013 – Conférence de la société canadienne de science économique, May 2013 – Global Partnership for Youth Employment: Ideas4Work Conference, January 2013 (*Youth Employment Network* Conference Grant) – International Development Conference Dial-Paris Dauphine, June 2011 – Journées Louis-André Gérard-Varet, June 2011 – 45th Annual Conference of the Canadian Economics Association, May 2011 (*C.D. Howe Institute* Conference Grant) – Conférence de la société canadienne de science économique, May 2010 (*CRSH Chair in Social Policy and Human Resource Economics* Conference Grant) – Séminaire du département de science économique, Université d'Ottawa, March 2010 – 43rd Annual Conference of the Canadian Economics Association, May 2009 – Conférence de la société canadienne de science économique, May 2009 – Centre for the Study of African Economies International Conference, March 2009.