

## CURRICULUM VITAE

**Name: MULLER, CHRISTOPHE MARC**

I have an extensive experience of ground work and academic studies in developing countries. During my career, I have occupied academic positions in North America, Africa, England, Spain, Germany and France currently as Professor of Economics at Aix-Marseille University. I have collaborated as a consultant or technical adviser with many international organizations. I have visited and collaborated with statistical institutes and economic institutions in most countries in the world. Recently, my work on the design and implementation of the Social Reform in Mauritius was awarded the 2014 International Social Security Association Good Practice Award.

A French citizen, I was awarded a PhD in economics and Habilitation Diploma for Research Direction (HDR) from France and Canada, and other diploma in statistics, physics, mathematics, formal logic and philosophy. Beyond development economics, my research interests include economic theory of welfare and household decisions (especially for anti-poverty and social policies), and econometric theory of quantile regression and survey estimation. I have published in top academic journals in the economics, statistics, mathematics and other literatures. My publications include 40 articles in scientific journals with referee process (e.g., in J. of Development Economics, J. of Economic Theory, J. of Health Economics, J. of Public Economics, Econometrics Journal). I have managed many academic projects, including 17 large research grants.

I have been a member of numerous academic bodies and a fellow of many academic institutions in the world, including in France of the National Committees for Social Sciences for the Institut de Recherche pour le Développement and the Institut National de la Recherche Agronomique, and in Switzerland for the Swiss Network for International Studies.

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## EDUCATION:

Languages written and spoken fluently: French, English, Spanish.

Habilitation à diriger des recherches Française 2008.

Habilitation à diriger des recherches Canadienne, Université Laval, 1994.

Ph.D. in Economics at Ecole des Hautes Etudes en Sciences Sociales, Delta (Now: Paris School of Economics), Paris, 1993.

Thesis Title: *Methods and Models for the Analysis of Agricultural Household Behaviour in Developing Countries. The Case of Rwanda*. Supervisor: F. Bourguignon.

Diplôme de Statisticien-Economiste 1984 (Statistician-Economist Diploma: Doctorate level). Ecole Nationale de la Statistique et de l'Administration Economique, 1ère division. Paris.

Diplôme d'Etudes Approfondies en Economie du Développement (Diploma of Advanced Development Studies). 1984.

Université de Paris I-Panthéon-Sorbonne.

Licence de Logique 1984 (Formal Logic Diploma : Master Level).

Université de Paris I-Panthéon-Sorbonne.

Licence de Philosophie 1984 (Philosophy Diploma : Master Level).

Université de Paris I-Panthéon-Sorbonne. Speciality : Epistemology.

Cambridge Proficiency of English, 1984.

Classes Préparatoires aux Grandes Ecoles Scientifiques (Physics and Mathematics), 1981.

Unités de valeurs du DEUG de Physique, Université de Paris VII, 1980.

Unités de valeurs du DEUG de Mathématique, Université de Paris VII, 1980.

## PROFESSIONAL EXPERIENCE:

From January 2010	Professor (First Class), <b>University of Aix-Marseille</b> , France.
Sept 2007- Dec 2009	Professor, THEMA, <b>University of Cergy-Pontoise</b> , France.
Oct 2003- Sept 2007	Visiting Professor, Department of Fundamental Economics, <b>University of Alicante</b> , Alicante, Spain.
Nov 1998-Sept 2003	Senior Research Fellow, School of Economics, <b>University of Nottingham</b> , UK.
Jan 1996-Oct 1998	Research Fellow, Centre for the Studies of African Economies, <b>University of Oxford</b> , UK.
Sept 1995- Dec 1995	Lecturer, Economics Dept, <b>University of Addis Abeba</b> , Ethiopia.
Sept 1993- Aug 1995	Assistant Professor, Economics Dept, <b>Université Laval</b> , Québec, Canada.
Jan 1992-Aug 1993	Lecturer at Laboratoire d'Econométrie du CNAM (Conservatoire National

des Arts et Métiers, Paris).

Jan 1989-Aug 1993 Ph.D. Student at DELTA (Ecole Normale Supérieure et Ecole des Hautes Etudes en Sciences Sociales, Paris) and CREST (Institut National de la Statistique et des Etudes Economiques, Paris).

Nov 1988-Jan 1989 Survey analysis at the Ministry of Cooperation and Development in Paris.

Dec 1984 - Oct 1988 Technical adviser of the Head of the Statistical Office of Rwanda.

Aug 1984 - Dec 1984 Survey analysis, Institut National de la Statistique et des Etudes Economiques, Paris.

## STUDIES

2011: *The World Bank*: Support to the design of a panel data household survey in Morocco.

2009-12: *United Nations*: Support to the development of the Social Welfare Agency and a poverty monitoring system in the Seychelles.

2010: *UNDP*: Training of National Experts Statisticians of Mauritius to measurement, estimation and analysis of poverty.

2009: *The World Bank*: Studies for the Poverty Assessment of The Gambia.

2009: *The World Bank*: SADRN Researchers Workshop. Lecture in Pretoria on ‘Service Development and Poverty Reduction Project’.

2008: *European Union*: Poverty studies in Mauritius.

2007-10: *United Nations Development Programme*: Setting up of the Social Register of Mauritius and social program analysis.

2007: *The World Bank*. Participation in Poverty Assessment for The Gambia.

2006 : November –December : Invited Professor at the University of Aix-Marseille II, France.

2006: *World Bank and the Government of The Gambia*. Design of the CPI of the Gambia.

2006: *The World Bank and the Government of The Gambia*. Analysis of consumption, living standards and poverty in The Gambia.

2005: *The World Bank and the Government of The Gambia*. Analysis of the national household survey of the Gambia.

2004: *Poverty and Economic Policy Research Network* : Animation of a conference of the network in Dakar.

2004. *The World Bank and the government of The Gambia*. Analysis of national household surveys and design of a methodology for poverty analysis in The Gambia.

2003. *Global Textile Partner for the Belgian Technical Cooperation Agency*. Study of

manufacturing and distribution of anti-malaria mosquito nets in the Democratic Republic of Congo. Survey analysis on anti-malaria practices of Congolese households.

2002. *Food and Agriculture Organization*. Economic analyses on poverty and hunger issues in the world.

1999. *The World Bank*. Design of poverty lines and the poverty profile of Tunisia. Study of the incidence of social services.

1998. *The World Bank*. 1. Survey Analysis Lecture in Abidjan, Cote d'Ivoire; 2. AERC workshop "Poverty, Inequality and Labour Markets Issues in Sub-Saharan Africa," in Abidjan, Cote d'Ivoire.

1993. *The World Bank*. Statistical study of household nutrition, household time uses and poverty in Rwanda.

1993. *Caisse des Dépôts et Consignations (Paris)*. Econometric study of firm investment in France.

1989. *French Ministry of Cooperation and Development*. Design of the 1990 National Consumption Survey for the Price Index of the Gabon.

1988. *French Ministry of Cooperation and Development*. Survey analysis in Paris.

1987. *OECD*. Study of non-food consumption and manufacturing industries in Rwanda.

1987. *Association Francaise des Volontaires du Progrès*. Survey design and analysis for development projects of the association in Rwanda.

1985. *Project of Kigali-Est*. Analysis of a survey organised by this project of agricultural development in Rwanda.

1984. *Institut National de la Statistique et des Etudes Economiques in Paris*. Design of statistical software for survey analysis in Africa.

1983. *Institut National de la Statistique et des Etudes Economiques*. Analysis of a sociological survey in Paris on television use by French households.

1982. *Centre Culturel George Pompidou*. Sociological survey on the visitors of the centre George Pompidou, Paris.

Before 1982: Various jobs as a blue collar worker.

**TEACHING ACTIVITIES:** I have an extensive teaching experience. From 1990 to 2014, I taught: Advanced Econometrics (Master and PhD), Micro-Econometrics (Master), Labour Economics (Master), Mathematical Economics (Master), Microeconomics (Undergraduate and Master), Macroeconomics (Undergraduate), Development Economics (Undergraduate and Master), Statistics (Master), Public Economics (Master), Economics of Uncertainty (Master), Applied Mathematics for Economics (Undergraduate), Mathematical Models for Growth and Development (PhD), Poverty and Income Distribution (Master), Analysis of

Economic Data (Undergraduate), Time Series and Qualitative Dependent Variable Econometrics (Master), Mathematics (Undergraduate), Evaluation of Public Policies (Master).

These activities have been performed in: University Yonsei (South Korea), Universidad de Alicante (Spain), University of Nottingham (United Kingdom), University of Addis Ababa (Ethiopia), Université Laval (Canada), Institut National d'Economie (Benin), and in France: Université d'Aix-Marseille, Université de Cergy-Pontoise, Ecole Supérieure des Sciences Economiques et Commerciales, Conservatoire National des Arts et Métiers, Centre d'Etudes et Programmes Economiques, Institut International d'Administration Publique, Ecole Nationale de la Statistique et de l'Administration Economique, Université de Paris I-Panthéon-Sorbonne, Lycée Albert Schweitzer.

In 1996, I followed a course on teaching techniques at Oxford University.

In 2007-09, I conducted pedagogical surveys on the new students in economics at the Universities of Cergy-Pontoise and Aix-Marseille.

I ran training sessions on survey techniques and data analysis in France, Rwanda, Seychelles, Mauritius, Gambia, South Africa, Morocco, Senegal, Cote d'Ivoire, South Africa, Spain, United Kingdom.

## PUBLICATIONS

### Peer-reviewed articles in journals and books:

40. "A Test of Separability of Consumption and Production Decisions of Farm Households in Ethiopia," *Journal of Poverty Alleviation and International Development*, Volume 5, Number 1, pp. 1-18, June 2014.
39. "Task Organization, Human Capital and Wages in Moroccan Exporting Firms," (with C.J. Nordman), *Middle East Development Journal*, December 2014.
38. "Equivalent income and fair evaluation of health care," (with M. Fleurbaey, S. Luccini and E. Schokkaert), *Health Economics*, Vol. 22(6), 711-729, June 2013.
37. "Demographic Transition, Education and Economic Growth in Tunisia," (with O. Frini), in *Economic Systems*, 36, 351-371, 2012.
36. "Multidimensional Inequality Comparisons: a Compensation Perspective", (with A. Trannoy), *Journal of Economic Theory*, 147, 4, 1427-1449, 2012.
35. "Incentives and Survival in Violent Conflicts," (with M. Lavie), *Goettingen Journal of International Law*, Vol. 3, No. 1, 155-174, 2011.
34. "A dominance approach to well-being and inequality across countries," (with A. Trannoy), *Journal of Public Economics*, 95, 239-246, 2011.
33. "Within-Firm Human Capital Externalities in Tunisia," (with C. Nordman), *Journal of Development Studies*, 47 (4), p. 657-675, 2011.
32. "Application of Stochastic Production Frontier in the Estimation of Technical Efficiency of Irrigated Agriculture in Tunisia," (with T. Ben Amor), *Agricultural Journal*, Vol. 5, No. 2, pp. 50-56, 2010.
31. "A new method to extrapolate poverty lines when only a few prices can be observed. Evidence from the Gambia," *Bulletin of the International Statistical Association*, 2007.

30. "Refining Targeting against Poverty: Evidence from Tunisia", (with S. Bibi), *Oxford Bulletin of Economics and Statistics*, Vol. 72, No. 3, June 2010.
29. "Anti-Poverty Targeting Errors and Spatial Prices," *Journal of Development and Economic Policies*, Vol. 12, No. 2, July 2010.
28. "Do Agricultural Outputs of Autarkic Peasants Affect their Health and Nutrition?," *Food Policy*, 34, 166-175, 2009.
27. "Poverty Incidence and Poverty Change in Tunisia 1990-95", *Korean Journal of Economics*, Vol. 14, No. 2, Autumn 2008.
26. "The Measurement of Poverty with Geographical and Temporal Price Variability. Evidence from Rwanda," *Review of Income and Wealth*, Ser. 54, No. 1, 27-49, March 2008.
25. "L'autre raison de dire oui à l'Europe," *Geopolitis*, March 2007.
24. "Compared Impact of Retrospective and Daily Budgetary Questionnaires", *Stateco*, No. 101, 63-71, 2007.
23. "Poverty Simulation and Price Changes," *Korean Journal of Economics*, vol. 13, N. 1, 25-52, Spring 2006.
22. "Two-Stage Huber Estimator" (with T.-H. Kim), *Journal of Statistical Planning and Inference*, 137, 405-418, February 2007.
21. "Optimising Anti-Poverty Transfers with Quantile Regressions," *Applied and Computational Mathematics*, Vol. 4, No. 2, 2005.
20. "Defining Poverty Lines as a Fraction of Central Tendency," *Southern Economic Journal*, 72(3), 720-729, 2006.
19. "Price Index Dispersion and Utilitarian Social Evaluation Function," *Economic Letters*, 89, 141-146, 2005.
18. "Human Capital and Wages in Two Leading Industries of Tunisia: Evidence from Matched Worker-Firm Data," (with C. Nordman), *Brussels Economic Review*, Spring 2005.
17. "Poverty and Inequality under Income and Price Dispersion," *The Canadian Journal of Economics*, Vol. 38, No. 3, 879-998, August 2005.
16. "The Valuation of Non-Monetary Consumption in Household Surveys," *Social Indicators Research*, Vol. 72, No. 3, 319-341, July 2005.
15. "Two-Stage Quantile Regressions when the First-Stage is Based on Quantile Regressions," (with Tae-Hwan Kim), *The Econometrics Journal*, 18-46, June 2004.
14. "Censored Quantile Regressions of Chronic and Transient Poverty in Rwanda," *Journal of African Economies*, Vol.1, No. 4, pp. 503-541, 2002.
13. "The Relative Prevalence of Disease Symptoms for Ill Persons in Bénin," *International Journal of Health Planning and Management*, vol.14, No. 4, 2002.
12. "Prices and Living Standards. Evidence for Rwanda," *Journal of Development Economics*, Vol. 68, 187-203, 2002.
11. "The Properties of the Watts Poverty Index under Lognormality," *Economics Bulletin*, Vol. 9, No.1, pp1-9, August 2001.
10. "Double-Stage Quantile Regressions," (with T.-H. Kim) *Bulletin of the International Statistical Association*, Tome LIX, Book 2, pp 155-158, 2001.
9. "A Health Production Function for Quasi-Autarkic Agricultural Households in Rwanda," *The European Journal of Development Research*, Vol.13, No.1, pp 87-105, June 2001.

8. "The Impact of Health and Nutritional Status of Farmers on their Productivity and Efficiency: Evidence from Ethiopia," (with A. Croppenstedt), *Economic Development and Cultural Change*, Vol. 47, N. 3, April 2000.
7. "A Profile of Poverty in Tunisia 1995," The World Bank, Washington, 1999.
6. "The Impact of the Production Composition on the Nutrition of Agricultural Households in Rwanda," *Applied Economics Letters*, 6, 125-131, February 1999.
5. "The Choice of Medical Providers in Rural Bénin : A Comparison of Discrete Choice Models," (with D. Bolduc and G. Lacroix), *Journal of Health Economics*, vol. 15, 477-498, August 1996.
4. "The Role of Production Decisions in Modeling Consumption of Peasants," in F. Caillavet, H. Guyomard, and R. Lifran, "Agricultural Household Modelling and Family Economics," Collection "Developments in Agricultural Economics", Elsevier, 1994.
3. "Les enquêtes niveau de vie et les politiques de développement" in M. Benoit-Catin, P. Guillaumont, et M. Griffon "Economie des politiques agricoles," Ministère de la Recherche et de la Technologie, 1994.
2. "A Microeconomic Model of Primary Health Care Demand," (with D. Bolduc and G. Lacroix), Les Actes du 43ème Colloque International de l'Econométrie de la Santé, VII, Association d'Econométrie Appliquée, Juillet 1994, 197-212.
1. "Estimation des consommations de producteurs agricoles d'Afrique centrale," *Economie et Prévision*, numéro 105, 1992.

### **Other Publications:**

41. The Social Register of Mauritius and the Social Aid Reform, UNDP Mauritius, Port-Louis, August 2013.
40. "The Living Conditions in Seychelles," UNDP Seychelles, Victoria, August 2012.
39. "Poverty in Seychelles," UNDP Seychelles, Victoria, May 2012.
38. "Enquêtes de Panels et Mesure de la Pauvreté," Séminaire International sur les Nouvelles Approches d'Evaluation des Politiques Publiques de Développement Humain, Office National du Développement Humain, Rabat, Morocco, Juin 2011.
37. "An Individual Panel Data Survey for Observing Dynamic Consumption in Morocco," The World Bank, Rabat, Morocco, April 2011.
36. "PMT and Targeting for the Social Aid Reform in Mauritius," UNDP Mauritius, Port-Louis, October 2010.
35. "Further developments for social welfare and poverty in Seychelles," UNDP Seychelles, Victoria, May 2010.
34. "Living Standards and Living Conditions in Mauritius," UNDP Mauritius, Port-Louis, May 2010.
33. "Proxy-Means Tests for Social Aid in Mauritius," UNDP Mauritius, Port-Louis, May 2010.
32. "A Profile of Social Aid Beneficiaries in Mauritius," UNDP Mauritius, Port-Louis, May 2010.
31. "Targeting Indicators of Social Aid in Mauritius," UNDP Mauritius, Port-Louis, May 2010.
30. "Social Welfare Agency and Poverty Monitoring in Seychelles," UNDP Seychelles, Victoria, December 2009.
29. "A Note on General Poverty in Mauritius," UNDP Mauritius, Port-Louis, December 2009.
28. "Living Condition Survey in Mauritius: General Poverty Profile," UNDP Mauritius, Port-Louis, October 2009.
27. "A Nutritional Poverty Profile in Mauritius 2006-07," UNDP Mauritius, Port-Louis, January 2009.
26. "A Reorganization of the Social Register of Mauritius," UNDP Mauritius, Port-Louis, December 2008.
25. "A Note on Nutritional Poverty Estimates in Mauritius," UNDP Mauritius, Port-Louis, November 2008.
24. "Methodology and Statistical Results. 2008 Pilot Income Threshold Survey of Mauritius," UNDP Mauritius, Port-Louis, July 2008.
23. "A Short-Track Strategy for the Social Register of Mauritius," UNDP Mauritius, Port-Louis, March 2008.
22. "A Plan for a Social Register in Mauritius," UNDP Mauritius, Port-Louis, September 2007.
21. "The Consumer Price Index of the Gambia," CBEMP, Banjul, The Gambia, April 2007.
20. "Poverty Analysis of the Integrated Household Survey CSD in The Gambia," CBEMP, Banjul, The Gambia, June 2006.
19. "Living Standard Analysis of the Integrated Household Survey CSD in The Gambia," CBEMP, Banjul, The Gambia, May 2006.

18. "The Consumption of Gambian Households in the Integrated Household Survey CSD in The Gambia," CBEMP, Banjul, The Gambia, May 2006.
17. "Methodology of the Analysis of the Integrated Household Survey CSD in The Gambia," CBEMP, Banjul, The Gambia, June 2006.
16. "Methodological issues in the Analysis of the Integrated Household Survey CSD in The Gambia," CBEMP, Banjul, The Gambia, February 2006.
15. "Treatment and Analysis of the Integrated Household Survey CSD in The Gambia," CBEMP, Banjul, The Gambia, January 2005.
14. "Model of the Sampling Procedure and Sampling Estimators for the Integrated Household Survey CSD of The Gambia," CBEMP, Banjul, The Gambia, March 2004.
13. "Data Assessment and Analysis of the Integrated Household Survey CSD in The Gambia," CBEMP, Banjul, The Gambia, February 2004.
12. "Etude de la faisabilité de la production locale et de la distribution de moustiquaires imprégnées d'insecticides en République Démocratique du Congo," GTP, Virginia, U.S.A., August 2003.
11. Review article of N. Birdsall and C. Graham, "New Markets, New Opportunities? Economic and Social Mobility in a Changing World," Brookings Institution Press, 2000 for the *Journal of International Development*, 2001.
10. Review article of Von Braun, J., Teklu, T. and Webb, P., "Famine in Africa," John Hopkins, 1998, 219 pages, for the *Journal of Agricultural Economics*, 2000.
9. "Structure de la consommation finale des ménages ruraux au Rwanda," Ministère de la Coopération et du Développement, Paris, 1989.
8. "Grandes lignes de la conception d'un projet d'Enquête sur la Consommation des ménages pour l'élaboration d'un indice des prix au Gabon," Ministère de la Coopération, Paris, 1990.
7. "Enquête Nationale sur le Budget et la Consommation des ménages. volume 3 : Présentation méthodologique de l'échantillon et de la collecte en milieu urbain," Ministère du Plan du Rwanda, Kigali, Rwanda, 1988.
6. "Enquête Nationale sur le Budget et la Consommation des ménages. volume 2 : Structure du Budget des ménages," Ministère du Plan du Rwanda, Kigali, 1987.
5. "Ressources élargies et emplois élargis des ménages ruraux au Rwanda," Ministère du Plan du Rwanda, 1986.
4. "Dépenses d'éducation - Déplacements aux marchés - Relevés de prix en milieu rural au Rwanda," Ministère du Plan du Rwanda, Kigali, 1986.
3. "Approvisionnements en eau et en bois de feu - Récipients utilisés par les ménages ruraux au Rwanda," Ministère du Plan du Rwanda, Kigali, 1986.
2. "Enquête Nationale sur le Budget et la Consommation des ménages. volume 1 : Présentation méthodologique de l'échantillon et de la collecte en milieu rural," Ministère du Plan du Rwanda, Kigali, 1986.
1. "La notion d'efficacité en éducation," Note International Institute for the Planning of Education, UNESCO, Paris, 1982.

### **Working papers, mimeos and papers under revision:**

45. "Transborder Ethnic Kin and Regional Favoritism: Evidence from Nighttime Light Intensity in Africa," (with Pierre Pécher) Aix-Marseille School of Economics, 2015.
44. "Household Fuel Use in Developing Countries: Review of Theory and Evidence," (with H. Yan) , Working Paper Aix-Marseille School of Economics, 2015.
43. "A Particular Form of Non-Constant Effect in Two-Stage Quantile Regression," (with T.-H. Kim), Working Paper Aix-Marseille School of Economics, 2015.
42. "Multidimensional Poverty in Seychelles," (with A. Kannan and R. Alcindor), Working paper UNDP, December 2013.
41. "Priority-Based Multidimensional Poverty," mimeo University of Aix-Marseille, September 2013.
40. "A Particular Form of Non-Constant Effects in Two-Stage Quantile Regressions," mimeo University of Aix-Marseille, September 2013.
39. "Social Welfare Comparisons with Fourth-Order Utility Derivatives," mimeo University of Aix-Marseille, December 2012.
38. "Evaluating Violence," (with N. Gravel), mimeo University of Aix-Marseille, December 2012.
37. "Shocks, Coping Strategies and Vulnerability before and after the Financial Crisis: evidence from Ethiopia," (with S.W. Kebede), mimeo University of Aix-Marseille, June 2013.
36. "Réseaux sociaux et insertion sur le marché du travail en Algérie," (with M. Lassassi), mimeo University of Aix-Marseille, February 2013.
35. "Household Fuel Use in Rural China," (with H. Yan), mimeo University of Aix-Marseille, February 2013.
34. "Multidimensional Poverty in Seychelles," (with A. Kannan and R. Alcindor), mimeo University of Aix-Marseille, February 2013.



33. "Group Violence, Ethnic Diversity and Citizen Participation: Evidence from Indonesia," (with M. Vothneck), Working Paper Aix-Marseille School of Economics, August 2011.
32. "An Innovative Measurement Method of Basic Needs Mixing Objective and Subjective Information," mimeo University of Aix-Marseille, July 2011.
31. "The Role of Knowledge for Participation in Local Development Initiatives," (with M. Vothneck), mimeo University of Aix-Marseille, March 2010.
30. "Incentives and Self-Selection in Triggering Violent Conflict," (with M. Lavie), mimeo University of Aix-Marseille, 2012.
29. "Why 2700 kilo calories per day as a Nutritional Benchmark for Poverty Lines?," mimeo The World Bank, Washington D.C., 2010.
28. "A Test for Endogeneity in Quantiles," (with T.-H. Kim), Working Paper Aix-Marseille School of Economics, 2012.
27. "Implementation Issues in Social Targeting," University of Aix-Marseille, 2010.
26. "Which Almost Ideal Demand System for Tunisia?," (with S. Bibi), mimeo University of Aix-Marseille, 2010.
25. "Anti-Poverty Transfers without Riots in Tunisia," IDEP Working Paper 0801, 2008.
24. "Un essai sur la microéconométrie des prix et de la pauvreté," mimeo University of Aix-Marseille II, 2008.
23. "Bias Transmission and Variance Reduction in Two-Stage Estimation" (with T.-H. Kim), Discussion Paper University of Alicante-IVIE, 2005.
22. "Sharing the Cost of On-the-Job Training in Tunisia," (with C. Nordman), Working Paper Aix-Marseille School of Economics, 2012.
21. "Females Activity Choice in a Dual Context. An integrated model for formal and informal sector in Cameroon," Discussion paper University of Alicante – IVIE WP-AD 2003-39.
20. "The Share of Seasonal Transient Poverty. Evidence from Rwanda (Working Paper University of Alicante-IVIE WP-AD 2003-39).
19. "Unit-Values in Demand Systems with Administered Prices. Evidence from Tunisia," (with M. Ayadi), mimeo University of Aix-Marseille, 2010.
18. "Experimental Evidence on Cross-Endowment Effects," (with G. Morisson) mimeo 2004.
17. "The Geometry of the Comparative Statics", Working Paper University of Nottingham 02/16, 2002.
16. "Weakening the Strong Convexity of Preferences," IVIE Discussion Paper, 2005.
15. "La technologie jointe de l'agriculture, de la santé et de la nutrition des paysans du Tiers-Monde," Discussion Paper CSAE, February 1998.
14. "Relative Poverty from the Perspective of Social Classes. Evidence from The Netherlands," Working Paper CREDIT, Nottingham University, February 2001.
13. "Parametric Formulae for Income Movement Measures", mimeo Nottingham, August 2002.
12. "Intra-Cohort Inequality in the Short-run and the Long-Run. Evidence from Tunisia", mimeo Nottingham, April 2002.
11. "Rounding of Wages", mimeo Nottingham, January 2002.
10. "Wage Rigidity in the UK. A Dynamic Perspective", mimeo Nottingham, April 2002.
9. "Inequality Bounds with Missing Prices", mimeo University of Nottingham, September 2001.
8. "Aversion to Price Dispersion," mimeo University of Nottingham, January 2001.
7. "The Compensated Decision Matrix in Complex Models," mimeo University of Nottingham, August 2000.
6. "Two-Stage M-Estimation with Composite Dependent Variable" (with T.-H. Kim), Discussion Paper University of Nottingham, August 2000.
5. "A Separability Condition for the Decentralisation of Complex Behavioural Models," Working Paper Nottingham University 99/6, February 1999.
4. "La codification d'une enquête auprès des ménages : théorie, méthodes et pratique. Application à l'Enquête Nationale Budget Consommation Rwanda 1982-83 et 1984-85." Working Paper of the Laboratoire d'économétrie du C.N.A.M., 1992.
3. "Méthodes de saisie et application à l'Enquête Nationale Budget Consommation Rwanda." Working Paper of the Laboratoire d'économétrie du C.N.A.M., 1992.
2. "Méthodes d'apurement et application à l'Enquête Nationale Budget-Consommation Rwanda." Working Paper of the Laboratoire d'économétrie du C.N.A.M., 1992.
1. "Les effets des transferts extérieurs sur l'économie du Cameroun," mimeo ENSAE, 1984.

### **Referee and Supervision**

- *Econometrica*, *Review of Economic Studies*, *Journal of Public Economics*, *Journal of Economic Theory*, *Journal of Mathematical Economics*, *Journal of Applied Econometrics*, *Econometrics Journal*, *Canadian Journal of Economics*, *Journal of the Royal Statistical*

Society, Social Choice and Welfare, Journal of Population Economics, European Economic Review, Oxford Economic Papers, Annals of Economics and Statistics, Economic Development and Cultural Change, Fiscal Studies, Journal of Agricultural Economics, Empirical Economics, Journal of African Economies, Journal of Development Studies, Health Economics, Journal of Economic Inequality, World Development, Mathematical and Social Sciences, Food Policy, Journal of Economic Psychology, Agricultural Economics, International Journal of Health Planning and Management, Manchester School, Economics and Human Biology, Economic Modelling, Health Care Management Science, South African Journal of Economics, Journal of International Development, Revue Economique, African Development Review, The World Economy, Economics Research International, Peace Economics-Peace Science and Public Policy, L'Actualité Economique, Cahiers d'Economie et Sociologie Rurales, FAO Economic and Social Development Papers, Agence Nationale de la Recherche, Poverty and Economic Policy, Hacienda Economica Espanola, IVIE, GREMAQ-IDEP, DfID, ESRC, Intitut National de la Recherche Agronomique, Institut de la Recherche en Développement, Swiss Network of International Studies.

- Supervision of students at Masters and PhD levels for University Laval at Québec, University of Addis Ababa, University of Oxford, University of Nottingham, University of Witwatersrand Johannesburg, University of Antwerp, Universidad de Alicante, University of Cergy-Pontoise, University of Aix-Marseille, Paris School of Economics.
- Running of seminar series in Delta, Paris and in Alicante, Spain.

### **Grants and Awards for Research Projects:**

1. *French Ministry of Economics and Finances (Bourse du Crest, 1989-91): Agricultural household models.* Awards for the study of agricultural household behaviour in LDCs.
2. *ACDI (Canadian Development Agency, Projet Paradi, 1993-95): Choice of Health Care Providers in Benin.* Analysis of health care survey data in Benin.
3. *European Union (twice, TMR grant, 1997-98): Poverty and Household Behaviour in Rwanda.* Analysis of household survey data from Rwanda.
4. *Nottingham University Research Committee (1999-2000): Poverty analysis in Rwanda.* Study trip at the University of California in Berkeley.
5. *British Academy (2001-2002): Two-Stage Robust Estimation Methods.* Analysis the asymptotic and finite-sample properties of two-stage quantile regression and other two-stage robust estimation methods.
6. *British Academy (2001-2003): Multivariate and Intertemporal Welfare Analysis.* New stochastic dominance theorems that permit the analysis of multivariate welfare problems with normative foundations.
7. *ESRC (Main British academic grant agency, 2001-2004): Dynamics of Poverty and Consumption.* The Award of £ 95,932 funded a project based on data from Tunisia. The aims of the study are (1) to elucidate the mechanisms of consumption and poverty in Tunisia; (2) to provide new econometric estimation methods for anti-poverty policies.

8. *Spanish Ministry of Education and Science (2003-2005)*. General Project of Investigation.
9. *Drees-Mire, Inserm, DGS, InVS, INCa, CANAM (2005 – 2008)*: Valeur de la Santé et Inégalités Sociales de Santé. Study of the impact of health and social status inequalities, and their correlation, on welfare inequality.
10. *European Union 2007-2012*: ‘A Micro-Level Analysis of Violent Conflict’ (113,000 Euros). (1) Econometric study of the interactions of the different shocks suffered by households in developing countries: seasonal and inter-annual weather fluctuations, illness and nutrition issues, conflicts and other political shocks, other economic shocks. (2) Theoretical investigation of the strategic use of political violence as a bargaining instrument. *This project received the best mark for all categories of the VI<sup>th</sup> EU framework.*
11. *European Union 2009*: Several INCO funds for collaboration with international researchers.
12. *Aix-Marseille School of Economics 2012*. Grant for a research assistant for the project “Geopolitics and international financial stability. Evidence from Sub-Saharan Africa”.
13. *European Union 2012*: Marie Curie grant for a postdoc on the project “MultiRisk”. Study of the interaction of sources of risks for Indonesian households.
14. *United Nations Development Programme 2012-13*: Multidimensional poverty, social policies and gender in Seychelles.
15. *OT-MED 2014-2016*: Geo-Economic Saharan Aquifer Systems
16. *A\*MIDEX 2015-2016*: Transitions in MENA Societies.
17. *A\*MIDEX 2015-2016*: Health Inequalities in MENA Societies.
18. *UNU-WIDER 2015-2016*: (The Political Economy of Social Protection Systems): New Statistical Methods for Optimal Targeting. Application to MENA Economies.
19. *UNU-WIDER 2016-17*: Ethnic Inequality and Participation in Indonesian Community Activities.
20. *Economic Research Forum 2015*: Maghreb rural-urban migration: the movement to Morocco's towns.

### **Visited Departments:**

University of Durham (2015), University of North Carolina (2015), Georgia State University (2015), Université du Québec à Montréal (2013), CORE in Belgium (2013), University Laval in Canada (2013), University of New South Wales (2013), UNDP Seychelles (2013), National Bureau of Statistics and Social Welfare Agency in Seychelles (2010-12), University of Aix-Marseille II (2009), Ministry of Economics and Finances in the Seychelles (2009), German Institute for Economic Research (2008), Ministry of Social Security, Ministry of Finance and Economic Empowerment, and Central Statistical Office in Mauritius (2007-10), University

Yonsei in South Korea (2007, 2009, 2010, 2013), University of Aix-Marseille II in France (2006), Central Statistics Department of the Gambia (2004-06), University of Alicante in Spain (2003), GREQUAM in Marseille (2003), Ministry of Health in R.D. Congo (2003), CREST-INSEE in Paris (1994, 1998, 2002), THEMA-University of Cergy (2000, 2001, 2002), Institute National of Statistics of Tunis (2000), University of California at Berkeley (2000), Vanderbilt University in Nashville (2000), Indian Statistical Institute (1988), University of Addis Ababa (1995), Institute National of Economy at Cotonou (1989), University Laval at Quebec (1994, 1995), University of Mauritius (2000), University of Tunis and IHEC in Tunis (2002, 2003), FAO in Rome (2002), The World Bank in Washington (1992), University of Houston (1992), Ministry of Plan of Rwanda (1984-88).

### **Various:**

- *My work on the analysis, design and implementation of the Social Reform in Mauritius was awarded the 2014 International Social Security Association Good Practice Award.*
- *Member of the International Scientific Committee of the [Swiss Network for International Studies](#) 2015-2019.*
- *Member of the National Scientific Council of the Research Department of Social Sciences (SAE) of the Institut National de la Recherche Agronomique 2011-16.*
- *Member of the National Sectoral Commission for Social Sciences (CSS4) of the Institut de Recherche sur le Développement 2011-13.*
- Executive Member of the the Aix-Marseille School of Economics Board, in charge of Development Economics 2011-14.
- Research Director at DIW Berlin.
- Member of the Editor Board of: the Korean Journal of Economics, 2009-, Journal des Etudiants en Développement International, 2013-.
- Prime d'Excellence Scientifique 2013-2016.
- Prime d'Encadrement Doctoral et de Recherche 2009-2012.
- Listed in the Who's Who from 2008.
- Admitted as Research Director at the Institut de Recherche sur le Développement.
- Creation of a Research Unit in Economic Development at the University of Alicante, Spain.
- External Research Fellow of the University of Nottingham.
- HiCN Affiliate (Households in Conflict Network).
- Research Associate of: DIAL in Paris, IDEP in Marseille, Poverty and Economic Policy Research Network at Université Laval in Canada, ESG Tunis.
- Member of diverse scientific societies : American Economic Association, Econometric Society, Royal Economic Society, European Economic Association, Société Française de Statistique, Association Française de Science Economique, Canadian Economic Association, Ecineq, European Operational Research Societies, Astec, INFER, ISNIE, IDEAS, Computational and Method Statistics, Middle-East Economic Association, PGNet, Middle-East Studies Association, Asociación Española de Economía, International Association for Energy Economics, Happiness Economics and Interpersonal Relations.
- Various interventions in Medias (press, radio, television).
- Organization of Economic Experiments on Willingness-To-Pay at the University of Nottingham.
- Design of software programs for: two-stage quantile regressions, two-stage Huber regressions, robust tests of endogeneity based on quantile regressions, automatic integration by parts.
- Design of collection settings, questionnaires and sampling frames for statistical surveys in Rwanda, France, United Kingdom, Mauritius, R.D. Congo, Morocco, Seychelles and Gambia.

- Judo Black Belt.

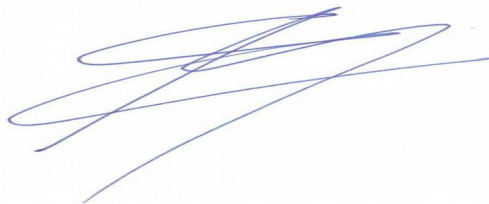
**Visited countries with contacts with economic institutions or statistical offices:**

*In Africa:* Algeria, Benin, Botswana, Burkina Faso, Burundi, Cape Verde, Cote d'Ivoire, Congo, Democratic Republic of Congo, Egypt, Ethiopia, Gabon, Guinea, Guinea-Bissau, Kenya, La Reunion, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Senegal, Sierra Leone, South Africa, Swaziland, Rwanda, Tanzania, The Gambia, The Seychelles, Tunisia, Uganda, Zambia, Zimbabwe.

*In Europe:* Albania, Andorra, Armenia, Austria, Azerbaijan, Belgium, Bulgaria, Bosnia-Herzegovina, Byelorussia, Czech Republic, Croatia, Denmark, Estonia, Faroe Islands, Finland, France, Georgia, Greece, Hungary, Iceland, Kosovo, Latvia, Leetonia, Liechtenstein, Luxembourg, Moldova, Montenegro, Norway, Germany, Italy, Malta, Macedonia, Monaco, Poland, Portugal, Republic of Ireland, Romania, Russia, San Marino, Slovakia, Slovenia, Spain, Sweden, Switzerland, The Netherlands, Turkey, Ukraine, United Kingdom, Vatican, Yugoslavia.

*In Asia-Oceania:* Australia, Bahrain, Brunei, Cambodia, China, Federated States of Micronesia, Fiji, Guam, Indonesia, India, Israel, Japan, Jordan, Kuwait, Laos, Lebanon, Malaysia, Marshall Islands, Mongolia, Myanmar, North Marianne Islands, New Caledonia, Palestine, Philippines, Qatar, Singapore, South Korea, Taiwan, Thailand, Tonga, Turkey, Tuvalu, United Arab Emirates, Vanuatu, Viet-Nam.

*In America:* Argentina, Bahamas, Bardados, Belize, Bolivia, Brasil, Canada, Chile, Columbia, Costa Rica, Equator, Guatemala, Guyana, Honduras, Mexico, Nicaragua, Panama, Paraguay, Puerto Rico, Peru, Saint Kitts and Nevis, Saint Lucia, San Salvador, Sint Marteen, South Korea, Surinam, Trinidad and Tobago, Turks and Caicos, United States, Uruguay, US Virgin Islands, Venezuela.



Date: 30 January 2016













