

K Hervé DAKPO

Curriculum Vitae

Economist : Specialized in Productivity and Efficiency evaluation

December 2017

Address 2 Passage des Crayons, 75013, Paris (France)
 +33 (0)1 30 81 52 77
 k-herve.dakpo@inra.fr
 https://www6.versailles-grignon.inra.fr/economie_publicue/PagesPerso2/Herve-Dakpo

EDUCATION

PhD in Economics

09/01/2012-
08/31/2015

Université d'Auvergne Clermont 1 (doctoral school N° 245), France

“Non-parametric modelling of pollution-generating technologies : Theoretical and methodological considerations, with an application to the case of greenhouse gas emissions in suckler breeding systems in French grassland areas”

Defense : 15th of June 2015

Distinction : Very Honorable, with Committee Praise

Thesis supervisors : L. Latruffe (INRA) / P. Jeanneaux (VetAgro Sup)

Thesis examiners : C.A.K. Lovell (University of Queensland) / J-P. Boussemart (Université Charles de Gaulle-Lille 3, IESEG School of Management)

Master Diploma in economics and international development 2008-2011

Centre d'Etudes et de Recherches sur le Développement International (CERDI), France

Specialization : “Project Analysis” and “Development Economics”

Master Thesis : “ Deforestation and economic growth : what consensus on the forest transition ?” (In French)

Technician Diploma (three-year university program) in statistics 2004-2007

Ecole Nationale d'Economie Appliquée et de Management (ENEAM), Cotonou, Benin

Thesis : “The determinants of schooling demand in Benin” (In French)

Award : Best thesis award in Statistics for the academic years 2006-2007

Research Interests

Production frontier analysis (Data Envelopment Analysis, Stochastic Frontier Analysis),

Mathematical programming, modelling,

Farmer behaviour, Life Cycle Assessment in agricultural systems,

Advanced econometrics, Exploratory multivariate analysis, Meta-analysis.

Languages

English : Professional proficiency

French : Bilingual proficiency

Idatcha (dialect of Benin) : Mother tongue

Computer skills

Microsoft office (Access, Advanced Excel, PowerPoint, Project, Visio, Advanced Word),
L^AT_EX, Endnote, R, Stata, GvSIG

WORKING EXPERIENCE

- Research Position** 2017-present
French National Institute of Agricultural Research (INRA), France
- INRA centre de Versailles-Grignon, Campus de Grignon. Lab : UMR Economie Publique
- Post-Doctoral Fellow** 09/01/2015-12/31/2016
French National Institute of Agricultural Research (INRA), France
- INRA centre de Rennes Bretagne-Normandie, Rennes. Lab : UMR SMART-LERECO
- Doctoral Fellow (3-year PhD contract)** 2012-2015
French National Institute of Agricultural Research (INRA), France
- INRA centre de recherches Auvergne-Rhône-Alpes, Theix. Labs : UMRH-EGEE/UMR-Métafort/UMR-SMART
- Visiting Scholar** 09/08/2014-12/06/2014
Wageningen University, Business Economics group, The Netherlands
- Research Engineer** 05/01/2012-05/31/2012
French National Institute of Agricultural Research (INRA), France
- Internship** 09/01/2011-03/30/2012
French National Institute of Agricultural Research (INRA), France
- Internship (3-month contract)** 2010
Western African Development (BOAD) - Lome , Togo
- Internship (4-month contract)** 2007
National Institute of Statistics and Economic Analysis (INSAE) - Cotonou, Benin

PRESENTATIONS IN CONFERENCES AND WORKSHOPS

1. Latruffe, L., Dakpo, K H., Desjeux, Y., Justinia Hanitravelo, G. 2017, *CAP subsidies and technical efficiency including environmental outputs : The case of European farms*, Paper presented (oral) in the 5th IAAE Inter-Conference Symposium - Talca, Chile, 17-20 October 2017, and in the 15th EAAE Congress - Parma, Italy, 29 August - 1 September, and in the 19th meeting of the OECD Network for Farm-Level Analysis, 22 May.
2. Dakpo, K H., Desjeux, Y., Latruffe, L. 2017, *"productivity" : un package dédié aux calculs d'indices de productivité par la méthode DEA* , Paper presented (oral) in the 6èmes rencontres « R »- Anglet, France 28-30 June.
3. Dakpo, K H., Desjeux, Y., Jeanneaux, P., Latruffe, L. 2017, *A meta-frontier Luenberger-Färe-Primont indicator in the French agriculture : a convergence examination*, Paper presented (oral) in the European Workshop on Efficiency and Productivity Analysis (EWEPA) - London, UK, 12-15 June.

4. Dakpo, K H., Ludwig, L., Van Meensel, J. 2017, *The proof of the pudding is in the eating : Empirical analyses of ecologically-adjusted efficiency models*, Paper presented (oral) in the European Workshop on Efficiency and Productivity Analysis (EWEPA) - London, UK, 12-15 June.
5. Dakpo, K H. 2017, *Environmentally-adjusted technical efficiency and productivity : what measures and what results ?*, Presentation in the Workshop on Competitiveness, Efficiency and Productivity Measurement in Agriculture - Dublin, Ireland, 26 April.
6. Dakpo, K H., Desjeux, Y., Jeanneaux, P. and Latruffe 2016, *Productivity and technological change in French agriculture during 2000-2013*, Paper presented in the 149th EAAE seminar, Rennes, France, 27-28 October, and in the French annual research conference on social sciences in agriculture (Journées de recherches en sciences sociales (JRSS)) - Paris, France, 8-9 December.
7. Dakpo, K H. and Latruffe 2016, *Agri-environmental subsidies and farm's technical efficiency accounting for GHG*, Paper presented (oral) in the 90th annual conference of the Agricultural Economics Society, Warwick, United Kingdom, 4-6 April.
8. Dakpo, K H., Jeanneaux, P., Latruffe, L., Mosnier C. and Veysset P. 2015, *Pollution-adjusted productivity change in French suckler cow farms : The use of a generalized multiplicatively complete Färe-Primont index*, Paper presented (oral) in the French annual research conference on social sciences in agriculture (Journées de recherches en sciences sociales (JRSS)) - Nancy, France, 10-11 December.
9. Dakpo, K H., Jeanneaux, P. and Latruffe, L. 2015, *Empirical comparison of pollution generating technologies in nonparametric modelling : The case of greenhouse gas emissions in French meat sheep farming*, Paper presented (oral) in the 29th International Conference of Agricultural Economists - Milan, Italy, 9-14 August, and in 2014 in the French annual research conference on social sciences in agriculture (Journées de recherches en sciences sociales (JRSS)) - Grenoble, France, 11-12 December.
10. Dakpo, K H., and Oude Lansink, A. 2015, *Dynamic eco-efficiency under the by-production of undesirable output*, Paper presented (oral) in the 14th European Workshop on Efficiency and Productivity Analysis - EWEPA - Helsinki, Finland, 15-18 June.
11. Dakpo, K H. 2015, *On modeling pollution-generating technologies : a new formulation of the by-production approach*, Paper presented (oral) in the European association of agricultural economists (EAAE) PhD workshop - Roma, Italy, 8-10 June.
12. Dakpo, K H., Laignel, G., Roulenc, M. and Benoit, M. 2014, *Ex-post evaluation of GHG emissions and energy consumption in organic and conventional meat SHEEP farms in France over 26 years*, Paper presented (oral) in the 14th congress of the International Federation of Organic Agriculture Movements (IFOAM) Organic World Congress - Istanbul, Turkey, 13-15 October.
13. Dakpo, K H., Jeanneaux, P. and Latruffe, L. 2014, *Inclusion of undesirable outputs in production technology : The case of greenhouse gases emissions in French meat sheep farming*, Paper presented (oral) in the 31st French annual conference of Applied Microeconomics (JMA) - Clermont-Ferrand, France, 5-6 June, and at the 2014 Asia Pacific Productivity Conference (APPC) - Brisbane, Australia, 08-11 July.
14. Jeanneaux, P., Dakpo, K H. and Blasquie-Revol, H. 2014, *The performance of the strategy of differentiation for dairy farms in France*, Paper presented (oral) in the joint meeting FAO-CIHEAM : Mountain Pastures and Mediterranean Forages Resources networks and Mountain Cheese network - Clermont Ferrand, France, 24-26 June.

15. Jeanneaux, P., Dakpo, K H. and Blasquie-Revol, H. 2013, *Stratégie de différenciation et compétitivité des exploitations laitières : éléments de réflexion à partir de l'analyse comparée dans six régions françaises*, Paper presented (oral) in the French annual research conference on social sciences in agriculture (Journées de recherches en sciences sociales (JRSS)) - Angers, France, 12-13 December. (Differentiation strategy and competitiveness of dairy farms : a comparison analysis in six French regions - Article in French).
16. Dakpo, K H., Laignel, G., Roulenc, M. and Benoit, M. 2013, *Comparaison des émissions de GES et de la consommation d'énergie non renouvelable entre l'élevage biologique et conventionnel en production ovine allaitante*, Paper presented (oral) in the French research conference on development and innovation in organic farming (DinABio) - Tours, France, 13-14 November. (Comparing GHG emissions and non-renewable energy consumption between organic and conventional livestock in meat sheep farming - Article in French).
17. Benoit, M. and Dakpo, K H. 2012, *Consommation d'énergie, performance économique et efficacité technique sur le long terme en production ovine allaitante*, Paper presented (poster) in the French annual research conference on grazing livestock (Rencontres Recherches Ruminants (3R)) - Paris, France, 5-6 December. (Long term energy consumption, economic performance and technical efficiency in meat sheep farming - Article in French).
18. Choumert, J., Combes Motel, P. and Dakpo, K H. 2012, *The environmental Kuznets curve for deforestation : a threatened theory ? A meta-analysis*, Paper presented (oral) in the 2nd International Conference on Environment and Natural Resource Management in Developing and Transition Economies - CERDI Clermont-Ferrand, France, 17-19 October, and in the annual congress of the French association of economic science (Association Française de Science Economique, (AFSE)) - Paris, France, 2-4 July.
19. Benoit, M. and Dakpo, K H. 2012, *Greenhouse gases emissions and energy consumption in French sheep for meat farms : Analysis over the period 1987-2010*, Paper presented (oral) in the 63rd annual meeting of the European Federation of Animal Science (EAAP) - Bratislava, Slovakia, 27-31 August.
20. Benoit, M. and Dakpo, K H. 2012, *Greenhouse gases emissions in French sheep for meat farms : Analysis over the period 1987-2010*, Paper presented (oral) in Emili - International Symposium on Emissions of Gas and Dust from Livestock - Saint Malo, France, 11-13 June.

JOURNAL ARTICLES

- Seufert, J., Arjomandi, A., Dakpo, K H. 2017, *Evaluating airline operational performance : A Luenberger-Hicks-Moorsteen productivity indicator*, **Transportation Research Part E : Logistics and Transportation Review**, doi : 10.1016/j.tre.2017.05.006.
- Dakpo, K H., Jeanneaux, P., Latruffe, L. 2017, *Greenhouse gas emissions and efficiency in French sheep meat farming : A comparison of pollution-generating technologies in non-parametric modelling*, **European Review of Agricultural Economics**. doi : 10.1093/erae/jbw013
- Salim, R., Arjomandi, A., Dakpo, K H. 2016, *Banks' efficiency and credit risk analysis using by-production approach : the case of Iranian banks.*, **Applied Economics**. doi : 10.1080/00036846.2016.1251567
- Dakpo, K H., Jeanneaux, P., Latruffe, L. 2016, *Modelling pollution-generating technologies in performance benchmarking : Recent developments, limits and future*

prospects in the nonparametric framework, **European Journal of Operation Research**. doi : 10.1016/j.ejor.2015.07.024

- Choumert, J., Combes Motel, P., Dakpo, H.K. 2013, *Is the Environmental Kuznets Curve for deforestation a threatened theory? A meta-analysis of the literature*, **Ecological Economics**. doi : 10.1016/j.ecolecon.2013.02.016
- Dakpo, K H., Laignel, G., Roulenc, M., Benoit, M. 2013, *L'élevage biologique consomme-t-il moins d'énergie et émet-il moins de gaz à effet de serre que l'élevage conventionnel? Analyse en production ovine allaitante*, **Innovations Agronomiques**, **32 :95-107**. (Does organic livestock husbandry uses less energy and produces less greenhouse gas than conventional husbandry? Analysis in lactating sheep farms? - article in French).

PAPERS UNDER REVIEW

- Seufert, J., Arjomandi, A. Dakpo, K H., *Have Asian Airlines caught up with European Airlines : A by-production efficiency analysis*, Under review in **Transportation Research Part A : Policy and Practice** . Second revision to be submitted.
- Dakpo, K H., Jeanneaux, P., Latruffe, L., Mosnier C., Veysset P., *Three decades of productivity change in French beef production : A Färe-Primont index decomposition*, Under review in **Australian Journal of Agricultural and Resource Economics**. Second revision to be submitted.
- Dakpo, K H., *On modeling pollution-generating technologies : a new formulation of the by-production approach*, Under review in **Environmental and Resource Economics**. First revision submitted
- Dakpo, K H., Oude Lansink, A, *Dynamic pollution-adjusted inefficiency under the by-production of bad outputs*, Under review in **American Journal of Agricultural Economics**.
- Dakpo, K H., Latruffe, L., *Profitability and productivity change of U.S. agriculture during 1960-2004 : A decomposition of the Geometric Young index using nonparametric estimates*, Under review in **American Journal of Agricultural Economics**.
- Dakpo, K H., Jeanneaux, P., Latruffe, L., *Pollution-adjusted productivity changes : Extending the Färe-Primont index with an illustration with French suckler cow farms*, Under review in **Environmental Modeling & Assessment**.
- Dakpo, K H., Ang, F., *Modelling environmentally-adjusted production technologies : a literature review. Externalities and environmental studies*, Chapter in **Palgrave Handbook of Economic Performance Analysis**. First revision to be submitted.

WORKING PAPERS

- Dakpo, K H., Boussemart, J-P., Martinet, V., *Spatial aggregation of land uses allocation and pesticide efficiency at landscape level : A Multi-ware production approach*,
.
- Dakpo, K H., Jeanneaux, P., Latruffe, L., *The non-parametric modeling framework of pollution-generating technologies : an extended classification and an analytical reexamination*,
.

- [Dakpo, K H., Latruffe, L. 2016, *Agri-environmental subsidies and French suckler cow farms' technical efficiency accounting for GHGs.*, Working Paper SMART-LERECO N°16-07.](#)

REFERENCES

- **Catherine Araujo Bonjean** : Research engineer-CNRS, CERDI, 65 Boulevard François Mitterand, 63000 Clermont-Ferrand, France,
Phone : +33 (0)4 73 17 74 20
Email : catherine.Araujo-Bonjean@udamail.fr
- **Charles Albert Knox Lovell** : Professor, School of Economics, University of Queensland, Brisbane, QLD 4072 Australia
Phone : +61 7 334 67057
Email : k.lovell@uq.edu.au
- **Alfons Oude Lansink** : Professor of Business Economics and Director of WASS (Wageningen Graduate school of Social Sciences), Wageningen University, Hollandseweg 1 6721 ZB Wageningen, The Netherlands
Phone : +32 (0)317 485194
Email : alfons.oudelansink@wur.nl
- **Marc Benoit** : Research engineer, INRA, UMR1213 Herbivores, F-63122 Saint-Genès- Champanelle, France,
Phone : +33 (0)4 73 62 41 34
Email : marc.benoit@clermont.inra.fr
- **Philippe Jeanneaux** : Research professor in agricultural economics, VetAgro Sup, UMR Métafort, F-63370 Lempdes, France,
Phone : +33 (0)4 73 98 70 30
Email : philippe.jeanneaux@vetagro-sup.fr
- **Laure Latruffe** : Researcher, INRA, SMART-LERECO, 4 Allée Adolphe Bobière, 35000 Rennes, France,
Phone : +33 (0)2 23 48 53 93
Email : laure.latruffe@rennes.inra.fr
- **Ibro Manomi** : Economist at FAO, Viale delle Terme di Caracalla 00153 Roma, Italy
Phone : +39 (0)389 664 4699
Email : ibro.manomi@fao.org