

# Bruno DORIN

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ECONOMIST

30 years of professional  
experience

in France (17 years)  
and in India (13 years)



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## PROFESSIONAL POSITIONS

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Since February 2014 (expatriation)	<b>SENIOR RESEARCHER &amp; HEAD “ECONOMICS &amp; DEVELOPMENT”</b> CENTRE DE SCIENCES HUMAINES, UMIFRE 20 MAEE-CNRS (New Delhi, India : <a href="http://www.csh-delhi.com">www.csh-delhi.com</a> ) <u>Employer</u> : CIRAD & French Ministry of Foreign Affairs, 37 Quai d'Orsay, 75007 Paris, France
Since August 2002 (permanent assignment)	<b>SENIOR RESEARCHER (ECONOMICS)</b> CIRAD (Centre de Coopération Internationale en Recherche Agronomique pour le Développement), Department “Environment and Society” (Montpellier, France : <a href="http://www.cirad.fr">www.cirad.fr</a> ) CIRED, Joint Research Unit (CNRS, EHES, CIRAD, AGROPARISTECH, ECOLEDES PONTS, Nogent-sur-Marne : <a href="http://www.centre-cired.fr">www.centre-cired.fr</a> ) <u>Employer</u> : CIRAD, 42 rue Scheffer, 75116 Paris, France
April 2002 ↑ October 2000	<b>PROFESSOR (ECONOMICS)</b> ECOLE D'INGENIEURS DE PURPAN (Toulouse, France : <a href="http://www.purpan.fr">www.purpan.fr</a> ) <u>Employer</u> : ESAP, 75 voie du Toec, 31076 Toulouse Cedex 3, France
August 2000 ↑ January 1995	<b>DIRECTOR (&amp; RESEARCHER)</b> CENTRE DE SCIENCES HUMAINES (New Delhi, India : <a href="http://www.csh-delhi.com">www.csh-delhi.com</a> ) <u>Employer</u> : French Ministry of Foreign Affairs, 37 Quai d'Orsay, 75007 Paris, France
November 1994 ↑ 1988	<b>RESEARCHER – STATISTICIAN – TEACHER – EXPERT</b> <u>Employers</u> (48 contractual months in total) : <ul style="list-style-type: none"><li>• Ministère de l'Agriculture (DAFE, Bureau de l'Evaluation et de la Prospective, Paris)</li><li>• Institut National de la Recherche Agronomique (INRA-Paris, -Nantes, -Dijon, -Montpellier)</li><li>• Centre d'Etudes de l'Emploi (CEE, Marne la Vallée)</li><li>• Association de Développement et Diffusion de l'Analyse de Données (ADDAD, Paris)</li><li>• Direction Régionale de l'Agriculture Midi-Pyrénées (DRAF, Toulouse)</li><li>• Ecole Nationale de la Statistique et de l'Administration Economique (ENSAE, Paris)</li><li>• Institut National d'Agronomie (INA, Paris, now “AgroParisTech”)</li><li>• Ecole Nationale du Génie Rural des Eaux et Forêts (ENGREF, Paris)</li><li>• Centre National d'Aménagement des Structures des Exploit. Agr. (CNASEA, Issy-les-Moul.)</li><li>• Assurances MutaSudEst (AMA, Lyon)</li></ul>

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## EDUCATION

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1994 (March)	<b>PH.D. in Economics</b> Faculté de Droit et Sciences Economiques, Montpellier I, France
1989 (October)	<b>Post-Master (DESS-DEA) in Business Administration and Management</b> Faculté de Droit et Sciences Economiques, Montpellier I, France
1988 (November)	<b>Engineer in Agriculture</b> Institut Supérieur d'Agriculture Rhône-Alpes, Lyon, France

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**LANGUAGES:** FRENCH (native), ENGLISH (fluent), SPANISH (basic knowledge)

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## PROFESSIONAL ENGAGEMENTS

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Began working in Paris for the French Ministry of agriculture and the National Institute of Agronomic Research (INRA) on French or European issues (farm bankruptcies, 1992 CAP reform) prior to two long stints in India over eight years, first in Andhra Pradesh for doctoral work (1990-1991), then in New Delhi (1995-2000) as Director and researcher of the *Centre de Sciences Humaines* (CSH). Returned to France in 2000 to teach economics (ESAP, Toulouse).

Joined [CIRAD](#) in 2002 (Montpellier) and [CIRED](#) (International Research Centre on Environment and Development, Paris). Has been involved in several international research projects (value sharing in the cocoa-chocolate industry, agricultural greenhouse gases emission/sink, food-biofuel competition in land use). In 2006, began to develop Agribiom, a quantitative tool for analysing the world's production, trade and use of biomass, in order to undertake collective future scenario-building such as "Agrimonde" (Paillard, Treyer & Dorin, 2011), hybrid models such as the "Nexus Land-Use" (Souty, Dorin & al., 2012) and worldwide analyses on labour productivity and structural transformation (e.g. Dorin 2017).

In February 2014, came back to India as CSH's head of "Economics and Development". Was promoted in 2018 "*Chevalier*" (Knight) in the Order of Agricultural Merit by the French Minister of Agriculture.

Is author or co-author of numerous official reports and articles, in addition to five books in English: "National Identity and Regional Cooperation" (Delhi, 1999), "The Indian Entrepreneur" (Delhi, 2003), "Agricultural Incentives in India" (Delhi, 2004), "Agriculture and Food in India" (Delhi, 2009), "Agrimonde: scenarios and challenges for feeding the world in 2050" (Versailles, 2011; Springer, 2014).

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## PUBLICATIONS (best 16 recent publications)

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### PEER-REVIEWED ARTICLES (since 2012)

1. DORIN B., Joly P.-B., 2019. [Modelling world agriculture as a learning machine? From mainstream models to Agribiom 1.0](#), **Land Use Policy** (Online First: 06/03/2019)
2. Agarwal B., DORIN B., 2019. [Group farming in France. Why do some regions have more cooperative venture to cooperation than others?](#), **Environment and Planning A: Economy and Space**, 51:3, pp. 781-804
3. DORIN B., 2017. [India and Africa in the Global Agricultural System \(1960-2050\): Towards a New Sociotechnical Regime?](#), **Economic & Political Weekly**, 52:25-26, pp. 5-13
4. Desquilbet M., DORIN B., Couvet D. 2017. [Land sharing vs. land sparing for biodiversity: How agricultural markets make the difference](#), **Environmental Modeling & Assessment**, 22:3, pp. 185-200
5. DORIN B., Aubron C., 2016. [Croissance et revenu du travail agricole en Inde : une économie politique de la divergence \(1950-2014\)](#), **Economie Rurale**, 352, pp. 41-65.
6. Brunelle T., Dumas P., Souty F., DORIN B., Nadaud F., 2015. [Evaluating the impact of rising fertilizer prices on crop yields](#), **Agricultural Economics**, 46:5, pp. 653-666.
7. DORIN B., Hourcade J.-C., Benoit-Cattin M., 2013. [A World without Farmers?](#), **CIRED Working Paper** 47-2013, 26 p.
8. DORIN B., Petit M., François J.L., 2013. [Agricultures, alimentations et mondialisation : paradoxes et controverses](#), **Natures, Sciences, Sociétés**, 21:1, pp. 56-59
9. Le Cotty T., DORIN B., 2012. [A global foresight on food crop needs for livestock](#), **Animal**, 6:9, pp. 1528-1536
10. Souty F., Brunelle T., Dumas P., DORIN B., Ciaï P., Crassous R., Müller C., Bondeau A., 2012. [The Nexus Land-Use model version 1.0. an approach articulating biophysical potentials and economic dynamics to model competition for land-use](#), **Geoscientific Model Development**, 5:1, pp. 1297-1322
11. Benoit-Cattin M., DORIN B., 2012. [Disponibilité alimentaire et productivité agricole en Afrique subsaharienne. Une approche dynamique comparative \(1961-2003\)](#), **Cahiers Agricultures**, 21:5, pp. 337-347

### BOOKS, BOOK CHAPTERS, REPORTS ON FUNDED RESEARCH PROJECT (since 2009)

1. DORIN B., 2019. [Les aléas de l'économie \(1991-2018\)](#), in Jaffrelot C. (Dir.), [L'Inde contemporaine. De 1990 à aujourd'hui](#) (Edition actualisée), **Fayard/Pluriel**, Paris, pp. 61-102
2. DORIN B., 2014. [Dynamiques agricoles en Afrique subsaharienne : une perspective à 2050 des défis de la transformation structurelle](#). New Delhi, Centre de Sciences Humaines, 52 p.
3. DORIN B., 2014 . [L'Europe dans le système alimentaire mondial : un scénario pour 2050 adossé aux projections FAO](#). CIRAD-CSH, Montpellier-Delhi, 68 p.
4. Paillard S., Treyer S., DORIN B. (Dir.), 2014. [Agrimonde. Scénarios et Challenges for Feeding the World in 2050](#), **Springer**, 250 p. (reprint of **Quae** book, 2011)
5. DORIN B., Landy F., 2009. [Agriculture and Food in India. A Half-century Review, from Independence to Globalization](#), **Manohar**, New Delhi, 275 p.

## SELECTED TALKS, SEMINARS (2009-2015)

- 2015 ■ DORIN B., *Structural Transformation with Limited Supplies of Land: a Worldwide View from 1960 to 2050*, CESP Seminar Series N° 21, Jawaharlal Nehru University, New Delhi, 17/11/2015
- DORIN B., *Growth, Agriculture & Employment: Towards a Climate-Friendly World Without Farmers?*, Low Carbon Society Research Network (LCS-RNet), 7<sup>th</sup> Meeting, Paris, 15-16/06/2015
- DORIN B., Aubron C., *Croissance, agriculture et emploi en Inde : l'impossible transformation lewisienne*. International Conference "Research & Regulation", Paris, 2015, 09-12/06/2015 (20 p.)
- 2014 ■ Desquilbet M., DORIN B., Couvet D., *Land sharing vs. land sparing for biodiversity: how agricultural markets make the difference*, 14<sup>th</sup> Congress of the European Association of Agricultural Economists, Ljubljana, 26-29/08/2014
- 2013 ■ DORIN B., 2013. *Modern Growth and Sustainable Development: Towards a World Without Agriculture?*, Conference X-IDDRI-SciencePo, Columbia Global Centres, Paris, 24/06/2013
- 2012 ■ DORIN B., Hourcade J.-C., Benoit-Cattin M., *A World without Farmers? Food Production, Inclusive Development and Ecology: Historical Evidences for a New Deal*, 12<sup>th</sup> Biennial Conference of the ISEE, Rio de Janeiro, 16-19/06/2012
- DORIN B., Le Cotty T., *Food Crops and Livestock. From Worldwide Past Evidences (1961-2007) to Open Scenarios (2050)*, 12<sup>th</sup> Biennial Conference of the ISEE, Rio de Janeiro (Brazil), 16-19/06/2012
- Brunelle T., Souty F., Dumas P., DORIN B., *How far energy price and diets drive global land use? First lessons from a global model driven by biophysical and economic dynamics*, Planet Under Pressure, IGPB-Diversitas-IHDP-WCRP-ESSP, Londres (United Kingdom), 26-29/03/2012 (Poster)
- 2011 ■ DORIN B., *Behavioural changes and lifestyles: the food driver*, LCS-RNet 3rd Annual Meeting "Transition towards Low Carbon Societies in a Changing World", Collège des Bernardins, Paris (France), 13-14/10/2011
- DORIN B., *L'Inde agricole et alimentaire : trois dynamiques synchroniques*, Colloque de Cerisy « Agriculture et alimentations dans un monde globalisé », Cerisy-la-Salle (France), 21-28/09/2011
- Benoit-Cattin M., DORIN B., *Croissance agricole, productivités et dépendance alimentaires des pays de l'UEMOA*, Colloque « Dynamiques de croissance au sein de l'Union Economique et Monétaire Ouest-Africaine », Commission de l'UEMOA, Ouagadougou (Burkina), 12-13/07/2011
- 2010 ■ DORIN B., *Agrimonde. Scenarios and challenges for feeding the world in 2050*
- AFP-GCARD Workshop, Wageningen (Netherlands), 25/02/2010, with Treyer S.
  - ENSV Lecture, Ecole Nationale des Services Vétérinaires, Lyon (France), 09/09/2010
  - World Bank BBL-Lecture, Washington D.C. (USA), 21/09/2010
  - OECD workshop "Long-Term Scenarios Supporting Robust Policies for Global Agriculture and Food", Paris (France), 21-22/10/2010, with Paillard S.
- Brunelle T., Souty F., DORIN B., Cotty T.L., Dumas P., Ciaï P., *A New Land Use Modelling Architecture: The Nexus Land Use*, 33<sup>rd</sup> IAEE International Conference "The Future of Energy: Global Challenges, Diverse Solutions", Rio de Janeiro (Brazil), 06-09/06/2010
- 2009 ■ DORIN B., *Agrimonde. Scenarios and challenges for feeding the world in 2050*
- French Academy of Sciences, Audition, Paris (France), 20/02/2009
  - 'Meeting with Agrimonde' at the Paris International Agricultural Show, Paris (France), 25/02/2009
  - SFER Colloquium 'Nourrir le monde et préserver l'environnement', Société Française d'Economie Rurale, Paris (France), 08/06/2009 with Paillard S.
  - FAO Expert Meeting 'How to feed the World in 2050', Food and Agricultural Organization of the United Nations, Rome (Italy), 24-26/06/2009, with Hubert B. & Caron P.
  - Seminar 'PAC-2013' of the Ministry of Ecology, Energy and Sustainable Development, Paris (France), 02/07/2009
  - CGIAR SRF Technical Design & Implementation Meeting, International Food Policy Research Institute, Washington (USA), 22-23/07/2009, with Hubert B.
  - Conference of the International Network of the Ministry of Food, Agriculture and Fisheries, Paris (France), 27/08/2009 with Hubert B.
  - Intra-Cirad-SupAgro Colloquium 'Agrimonde', Montpellier (France), 09/10/2009 with Paillard S. & Treyer S.
  - PROCISUR Prospecction Forum, Montevideo (Uruguay), 24-26/11/2009, with Hubert B.
  - Workshop CEPAL-FAO-IICA 'Futuro de la agricultura', Santiago (Chile), 09/12/2009
- DORIN B., *Consommations, productions et échanges de biomasses alimentaires en Afrique et Méditerranée orientale. Bilans rétrospectifs 1961-2003*, Séminaire Agence Française de Développement, Paris (France), 20/10/2009
- Benoit-Cattin M., DORIN B., *People, land and food in sub-Saharan Africa*, 27<sup>th</sup> Conference of the International Association of Agricultural Economists, Beijing (China), 16-22/08/2009

## SPECIAL MENTIONS IN THE PRESS, PARTICIPATION IN PRODUCTIONS FOR THE GENERAL PUBLIC

- 2017 ■ « En Inde, les agriculteurs obtiennent l'effacement de leurs dettes », *Libération*, 12/06/2017
- ↑ « Les défis d'une agriculture durable en Asie », in V. Tardieu (Ed.), *Manger écologique ?*, Belin, Paris, 2015
- 2009 « Nourrir la planète, le défi de l'Exposition universelle », *Le Monde*, 30/04/2015
- « An Overview of Rural Changes in Africa », *Cirad-NEPAD-RuralFutures*, 2013, pp. 28-29
- « The Future of Agriculture », *The Little Book on Big Drivers of Deforestation*, Oxford, 2013, pp. 22-23
- « Mange-t-on trop de viande et pas assez d'insectes ? », *France Culture*, 17/07/2013
- « La faim dans le Monde, alibi pour le développement des OGM », *Le Monde*, 18/10/2012
- « Pourra-t-on nourrir tout le monde ? », *Science&Vie Junior*, juin 2012
- « Perspectives alimentaires mondiales : sortie de paradigme », *Défis Sud*, Avril-Mai 2011
- « Les chocs climatiques représentent un défi pour l'agriculture mondiale », *Le Monde*, 18/02/2011
- « En 2050, la production agricole suivra mais les déséquilibres resteront », *Agra Presse*, 17/01/2011
- « L'écologie intensive s'impose dans la recherche », *Ouest France*, 13/01/2011
- « Future of food could be bright », *Nature*, 12/01/2011
- « L'agriculture indienne ne parvient pas à répondre à l'augmentation de la demande », *Le Monde*, 03/02/2010
- « Comment nourrir 9 milliards d'humains en 2050 », *La Croix*, 16/11/2009
- « Une agriculture plus durable pour nourrir 9 milliards d'humains en 2050 », *AFP*, 07/10/2009