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**Salvatore Di Falco**  
Economics Department,  
University of Kent,  
Canterbury - UK

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### **CURRENT EMPLOYMENT**

Lecturer in Applied Economics (UK equivalent for Assistant Professor)

### **OTHER AFFILIATIONS**

Research Fellow, Environment for Development Initiative, Ethiopia Centre

Honorary Lecturer, Centre for Environmental Policy, Imperial College London

Honorary Fellow, Centre for Social and Economic Research on the Global Environment (CSERGE), University of East Anglia, Norwich, UK

### **RESEARCH INTERESTS**

Applied Econometrics, Environmental Economics, Agricultural and Resource Economics, Development Economics, Production Theory, Risk Analysis

### **DEGREES**

Ph.D. in Environmental Economics, University of York, UK. Completed in November 2003 and awarded in February 2004

Title of the Dissertation: Crop Genetic Diversity, Agro-ecosystem Production and the Stability of Farm Income. Supervisor Prof. Charles Perrings

Doctorate in Agricultural Economics, University of Catania, Italy, 2001

Title of the Doctoral Dissertation: An Analysis of the Growth Determinants of the Italian Food Processing Industry (in Italian)

M.Sc. in Economics, University of York, York, UK, 1999

Title of the Thesis: The Environmental Kuznets Curve: An Empirical Analysis Using Italian Panel Data. Supervisor Prof. Ed Barbier

B.Sc. in Economics, University of Palermo, Palermo, Italy, with top marks 110/110, 1997

## PUBLICATIONS

### Peer reviewed journals

1. Salvatore Di Falco and Jean-Paul Chavas. On Crop Biodiversity, Risk Exposure and Food Security in the Highlands of Ethiopia. Forthcoming on the *American Journal of Agricultural Economics*
2. Bhim Adhikari and Salvatore Di Falco. Social Inequality and Collective Action: An Empirical Study of Forest Commons. Forthcoming on the *European Journal of Development Research*
3. Rehema White, Anke Fischer, Keith Marshall, Justin Travis, Thomas Webb, Salvatore Di Falco, Steve Redpath, Rene van der Wal (2008). Development of a Conceptual Framework to Manage Biodiversity Conflicts through Integration of Social, Economic and Ecological Perspectives. Forthcoming on *Land Use Policy*
4. Joginder Singh, Melinda Smale, Salvatore Di Falco and Patricia Zambrano (2008). Wheat Diversity and Productivity in Indian Punjab after the Green Revolution. *Australian Journal of Agricultural and Resource Economics* 52
5. Salvatore Di Falco and T.M. van Rensburg (2008). Making the Commons Work: Conservation and Cooperation in Irish Commonage *Land Economics*, November
6. Salvatore Di Falco and Jean Paul Chavas (2008). Rainfall Shocks, Resilience and the Dynamic Effects of Crop Biodiversity on the Productivity of the Agroecosystem. *Land Economics*, February
7. Salvatore Di Falco, Melinda Smale and Charles Perrings (2008). On the Role of Agricultural Institutions in Sustaining Wheat Diversity: The Case of Cooperatives in Southern Italy. *Environmental and Resource Economics*, 39
8. Salvatore Di Falco, Jean Paul Chavas and Melinda Smale (2007). The Management of Production Risk on Degraded Lands: The Role of Wheat Genetic Diversity in Tigray Region, Ethiopia. *Agricultural Economics*, 36
9. Salvatore Di Falco and Jean Paul Chavas (2006). Crop Genetic Diversity, Farm Productivity and the Management of Environmental Risk in Rainfed Agriculture. *European Review of Agricultural Economics*, vol. 33 no 3
10. I J Bateman, R Brouwer, H Davies, B H Day, S Di Falco et al. (2006). Analysing the Agricultural Costs and Non-market Benefits of Implementing the Water Framework Directive. *Journal of Agricultural Economics*, vol. 57 no 2

11. Salvatore Di Falco and Charles Perrings (2005). Crop Biodiversity, Risk Management and the Implications of Agricultural Assistance. *Ecological Economics*, Vol. 55 no 4
12. Bhim Adhikari, Salvatore Di Falco and Jon C. Lovett (2004). Household Characteristics and Forest Dependency: Evidence from Common Property Forest Management in Nepal. *Ecological Economics*, Vol.48 no 1
13. Salvatore Di Falco and Charles Perrings (2003). Crop Genetic Diversity, Productivity and Stability of Agro-ecosystems: A Theoretical and Empirical Investigation, *Scottish Journal of Political Economy*, Vol.50 No.2
14. Salvatore Di Falco, (2002). Environmental Quality and Economic Development: an Econometric Analysis. *Economia delle Fonti d'Energia e dell'Ambiente*, No.1
15. Giovanni Baiocchi and Salvatore Di Falco. Investigating the Shape of the EKC: A Non-Parametric Approach, *FEEM - Fondazione Eni Enrico Mattei Nota di lavoro*, No. 66, 2001

#### Book Chapters

- Salvatore Di Falco and Jean-Paul Chavas. Crop Biodiversity and Sustainable Land Management in Tigray, Ethiopia. In R. Bluffstone and G.Kholin (Eds.). *Sustainable Land Management in Eastern Africa*. Resource for the Future Press, Washington DC USA. Forthcoming
- Salvatore Di Falco and Jean Paul Chavas. Crop Biodiversity, Productivity and Resilience in Agro-Ecosystems. An Example from Southern Italy. In A. Kontoleon, U. Pascual and M. Smale (Eds.) *Agrobiodiversity and Economic Development*, Routledge, Forthcoming
- Salvatore Di Falco and Jean Paul Chavas. The Role of Crop Genetic Diversity in the Management of Environmental Risk, in Andreas Kontoleon, Unai Pascual and Timothy Swanson (Eds.) *Frontiers of Biodiversity Economics*, Cambridge University Press CUP, Cambridge UK, 2007
- Salvatore Di Falco and Charles Perrings. Cooperatives, Varietal Diversity and the Productivity of Cereal Farming Systems in the South of Italy, in Melinda Smale (Ed.), *Valuing Crop Biodiversity: On-Farm Genetic Resources and*

- Economic Change*, CAB International Publishing, Wallingford, Oxfordshire, UK, 2006
- Salvatore Di Falco and Charles Perrings. The Role of Risk Properties and Farmers' Risk Aversion on Crop Diversity Conservation, in Phoebe Koundouri (Ed.), *Econometrics Informing Natural Resources Management: Selected Empirical Analyses*, Edward Elgar Publisher, Cheltenham, UK, 2005
  - Salvatore Di Falco. Examining The Environmental Kuznets Curve: What Kernel Estimation Can Say?, in Phoebe Koundouri (Ed.), *Econometrics Informing Natural Resources Management: Selected Empirical Analyses*, Edward Elgar Publisher, Cheltenham, UK, 2005
  - Salvatore Di Falco. Is There a Role for Structural Change on the EKC? An Analysis on Italian Data. *Annals of the Department of Economics*, University of Palermo, Italy, 2003
  - Salvatore Di Falco. Benefit Estimation by the Household Production Function: Some Considerations. *Annals of the Department of Economics*, University of Palermo, Italy, 1999

#### **SUBMISSIONS & WORKING PAPERS**

- Salvatore Di Falco, Ivan Penov, Aleksii Aleksiev and Tom van Rensburg. Assessing the Economic and Environmental Implications of Land Reform in Plovdiv Region, Bulgaria.
- Jean Paul Chavas and Salvatore Di Falco. Agro-Ecosystem Productivity in Developing Countries: The Economics of Crop Biodiversity in the Highlands of Ethiopia 2008.
- Salvatore Di Falco and Erwin Bulte. On the Dark Side of Social Capital.
- Salvatore Di Falco, Gunnar Kohlin, Claudia Ringler and Mahmud Yesuf. Adaptation to climate change and the Implications for Agricultural Productivity in the River Nile basin, Ethiopia.
- Mintewab Bezabih, Salvatore Di Falco and Mahmud Yesuf. The Role of Crop Biodiversity in Sustaining Food Production in Developing Countries: Panel Data Evidence from Ethiopia.
- Bhim Adhikari and Salvatore Di Falco. On Social Capital Caste and Collective Action.

- Salvatore Di Falco. Trade, Income Effects and Environmental Quality: A Non-Parametric Quintile Exploration.
- Salvatore Di Falco, Ian Bateman and Andrew Watkinson. Ecological Economics Conflicts and the new CAP.

## RESEARCH GRANTS, PRIZES AND AWARDS

- Co - principal Investigator research project (Joint with the National University of Ireland at Galway): Valuation of Biodiversity and Ecosystem Services. 567000 € - Stimulus fund.
- Principal investigator research project: Econometric approaches for food campaign analysis - the case of 5 a day and low salt campaign. Food Standards Agency, London UK 2007/2008 - £45146
- Principal investigator research project: The estimation of multi-output technologies under uncertainty, International Food Policy Research Institute (IFPRI), Washington DC, USA and the University of Maryland, College Park, Maryland, 2005 - 15000\$
- Principal investigator research project: Modeling Crop Biodiversity Loss in the European Cereal Sector, National Research Council of Italy, Rome, Italy, 2004- 10000 euros
- Research grant in Environmental Economics, National Research Council of Italy, Rome, Italy, 2002
- Graduate Travel Grant, Northeastern Agricultural and Resource Economics Association, USA, 2003
- 12<sup>th</sup> Meeting European agricultural Economic Association. Best contributed paper: Di Falco, S. & Chavas J.P. "Complementarity, convexity and the productive value of biodiversity: evidence from an agroecosystem in Ethiopia"
- Elected Member at Large of the Graduate Student Section of the American Agricultural Economics Association, USA, 2002
- Excellence in Ph.D. dissertation in Agricultural Economics, University of Catania, Italy, 2001
- Prize for best young researcher in Agricultural Economics, "The Foundation Lima Mancuso", Palermo, Italy, 1999
- Grant "Erasmus", European Union, Institute Catholique Hautes Etudes Commerciales, Brussels, Belgium, 1994

## TEACHING EXPERIENCE

- *Imperial College London, Wye Campus: Statistics and Econometrics (3<sup>rd</sup> year Undergraduates)*
- *Imperial College London, Wye Campus: Applied Econometrics and Quantitative Methods (Masters)*
- *University of Kent: Natural Resource Economics (Masters).*
- *University of East Anglia: Environmental Economics (2<sup>nd</sup> year undergraduates).*
- *University of Kent: Introduction to Economics (1<sup>st</sup> year undergraduates/ MBA/ MBA executive)*
- *University of York: Mathematical Methods (1<sup>st</sup> year undergraduates)*
- *University of York: Economics of Environmental Policy (2<sup>nd</sup> year undergraduates)*

## EXPERIENCE

- Visiting Assistant Professor, Department of Agricultural and Applied Economics, University of Wisconsin, Madison USA, August 2007
- Senior Research Associate. *Centre for Social and Economic Research on the Global Environment (CSERGE), University of East Anglia, Norwich, UK, March 2005 - May 2006*
- Post Doctoral Research Fellow. *University of Maryland, Agricultural and Resource Economics Department, College Park, MD - USA, January 2004 - February 2005*
- *International Food Policy Institute: Short Term Consultant for Dr M. Smale, 2005*
- Post Doctoral Research Fellow: *National University of Ireland at Galway, Department of Economics 2003-2004*
- Research Assistant in Environmental Economics, University of York, York, UK, 2001-2003
- First aid & emergency unit. *Red Cross Italy, 1997*

## OTHER EXPERIENCE

- Chief Examiner Distance Learning School of Oriental and African Studies, module “Natural Resource economics”, 2008-2009
- Chief Examiner Distance Learning Program Imperial College London, module “Natural Resource economics”, 2007-2008

- Chief Examiner for the foundation degree in Quantitative Methods at the Institute of Finance Studies (IFS), academic year 2007/2008

## INVITED SEMINARS & PRESENTATIONS

### Seminars

- *University of Manchester, Department of Economics*. Paper presented: Biodiversity and Food Production in Developing Countries. May 2008
- *University of Portsmouth, CEMARE*. Paper presented: Biodiversity and Ecosystem Services in Developing Countries. May 2008
- *University of Lunenburg, Research Colloquium Sustainability\_Economics*. Paper presented: Sustainability and Biodiversity in Northern Ethiopia. November 2007
- *University of Birmingham, Department of Economics Departmental Series*. Paper presented: "Rainfall Shocks, Resilience and the Role of Crop Biodiversity on the Productivity of Agroecosystems", Birmingham, UK, December 2006
- *University of Wisconsin at Madison, Department of Applied and Agricultural Economics*. Paper presented: "Risk, Land Degradation and the Importance of Crop Genetic Diversity in Developing Countries: The case of Durum Wheat in Ethiopia", Madison, WI March 2006
- *School of Oriental and African Studies (SOAS)*. Paper presented: "Understanding the Importance of Crop Genetic Diversity in Developing Countries: The case of Durum Wheat in Ethiopia", London, UK, April 2005
- *International Food Policy Research Institute Seminar Series*. Paper presented: "Crop Genetic Diversity, Productivity and Management of Environmental Risk", Washington, DC, January 2005
- *Food and Agriculture Organization of the United Nations (FAO)*. Paper presented: "The Role of Genetic Resources in the Management of Environmental Risk", Rome, Italy, December 2004
- *University of Maryland, Agricultural and Resource Economics Departmental seminar series*. Paper presented: "Biodiversity, Farm Productivity and the Management of Environmental Risk", College Park, Maryland, USA, December 2004

- *Imperial College, London, Wye College*. Paper presented: "Crop Biodiversity, Environmental Risk Management and the Implications of Agricultural Policies", Wye, Kent, UK, September 2004
- *University College of Dublin*. Seminar on: "The Interface between the Environment and Agricultural Policies: The Case of Crop Diversity Loss", Dublin, Ireland, August 2004
- *Colby College, Department of Economics*. Seminar on "Crop Biodiversity and the CAP", Waterville, Maine USA, May 2004

### **Professional Meetings & Workshops (papers selected/referred)**

- 12<sup>th</sup> *Triennial Meeting European Agricultural Economic Association*. Best contributed paper at the Di Falco, S. & Chavas J.P. "Complementarity, convexity and the productive value of biodiversity: evidence from an agroecosystem in Ethiopia"
- *National workshop on "Sustainable Land Management in Tigray, Ethiopia "* August 2008, Mekelle Tigray, Ethiopia
- *Annual meeting of the European Association of Environmental and Resource Economics*. Paper presented: Complementarities, Non Convexity and Biodiversity: Evidence for the Ethiopian Agroecosystem"
- *Annual meeting of the Agricultural Economics Society (AES)*, Cirencester, UK, 2008. Symposium Speaker on: Biodiversity and Resilience in Modern Farming Systems
- *Environment for Development Initiative, University of Addis Ababa, Ethiopia* Workshop on "Determinants of Investments in Sustainable Agriculture in East Africa Bishoftu (Debre Zeit), Ethiopia, September 2007. Paper presented: Welfare implication under uncertainty and crop biodiversity"
- 9<sup>th</sup> *International Conference on Economics and the Analysis of Biology and Biodiversity*, UK-DEFRA, DIVERSITAS and FEEM. Cambridge, UK, September 2007. Paper presented: "Farmers management of environmental risk: the case of Tigray Ethiopia"
- *Annual meeting of the European Association of Environmental and Resource Economics (EAERE)*, Thessaloniki, Greece, 2007. Selected paper entitled: Rainfall Shocks, Biodiversity and Resilience in Modern Farming Systems.



- *Annual meeting of the Agricultural Economic Society (AES)*, Reading, UK, 2007. Selected paper entitled: Rainfall Shocks, Biodiversity and Resilience in Modern Farming Systems
- *International Workshop on Biodiversity Valuation*, hosted by the Department of Economics, National University of Ireland, Galway 2006. Paper presented: “The Role of Crop Biodiversity on Resilience and the Productivity of Agroecosystems”
- *8<sup>th</sup> International Conference on Economics and the Analysis of Biology and Biodiversity*, UK-DEFRA, DIVERSITAS and FEEM. Cambridge, UK, September 2006 .Paper presented: “Rainfall Shocks, Resilience and the role of Crop Biodiversity”
- *3<sup>rd</sup> World Congress in Environmental and Resource Economics*. Kyoto Japan, July 2006. Two papers presented: “Biodiversity and Risk Management in Developing Countries: The Case of Wheat Diversity in Tigray Region, Ethiopia”, and “Conservation and Cooperation in the Management of Common Property Resources: The Case of Irish Commonage”
- *The Royal Economic Society Annual Conference*. Nottingham, April 2006. Paper presented: “Biodiversity, Land Degradation, and Spatial Risk: Evidence from Ethiopia”
- *7<sup>th</sup> International Conference on Economics and the Analysis of Biology and Biodiversity*, UK-DEFRA, DIVERSITAS and FEEM. Cambridge, UK. September 2005. Paper presented: “Crop Genetic Resources, Productivity and Environmental Risk in Developing Countries: The case of Tigray Region, Ethiopia”
- *Agricultural Economic Society Annual Meeting*. Nottingham, UK, April 2005. Paper presented: "The Role of Crop Genetic Resources in the Management of Environmental Risk"
- *Annual meeting of the European Association of Environmental and Resource Economics (EAERE)*, Bremen, Germany, 2005. Selected paper entitled: On the Role of Biodiversity on the Productivity of Modern Farming Systems
- *Annual Meeting of the American Agricultural Economic Association (AAEA)*, Denver Colorado, 2004. Selected paper entitled: Does Cooperation Affects

- Common Property Resource Exploitation? Lessons from a Two Centuries Institution: the Irish Commonage
- *North-eastern Agricultural and Resource Economics Association Annual Meeting*, Portsmouth, New Hampshire, USA, June 2003. Selected paper entitled: “Farm Income Stabilization and Crop Diversity Conservation: What Can We Learn from the European CAP?”
  - *IPGRI and Food and Agriculture Organization of the United Nations (FAO) Meeting on Genetic Diversity*. Maccarese, Italy, March 2003. Paper presented: “Assessing the Role of Varietal Diversity on the Productivity of Agro-ecosystems: Evidence from the South of Italy”
  - *2<sup>nd</sup> World Congress in Environmental and Resource Economics hosted by the University of California at Davis and Berkeley*. Monterey, California, USA, June 2002. Paper presented: “On the Impact of Biodiversity on the Productivity of Agro-ecosystems”

## **OTHER INFORMATIONS**

### **Academic Referee**

*Agricultural Economics, American Economic Review, Australian Journal of Agricultural and Resource Economics, Environment and Development Economics, Environmental and Resource Economics, Land Economics, Journal of Agricultural Economics, Journal of Environmental Economics and Management, Journal of Environmental Management, Spatial Economic Review, World Development*

### **Professional Affiliations**

Agricultural Economic Society, American Economic Association, American Agricultural Economics Association, Association of Environmental and Resource Economists  
European Association of Environmental and Resource Economists

### **Languages**

Italian (mother tongue), English, French

### **Computer skills**

Econometric packages: LIMDEP, STATA, Pc Give, E views, SPSS    Programming: R, S - plus, Matlab, some knowledge of Gauss

**Date of Birth:** 14/01/1972

**Nationality:** Italian