

## **Salvatore Di Falco**

**Geneva School of Economics and Management, University of Geneva**

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### **Academic Positions**

2012 – Full Professor of Environmental Economics. Department of Economics.  
University of Geneva, Switzerland

2012 – Visiting Senior Fellow Grantham Research Institute on Climate Change and the  
Environment, London School of Economics

### **Professional Service**

2014 – Associate Editor of the *American Journal of Agricultural Economics*

2010 – Associate Editor of *Environment and Development Economics*

2010 - 2013 – Associate Editor of *Food Security*

### **Other Affiliations**

2008 - Research Associate Environment for Development Initiative (Efd), Ethiopia

2006 - Honorary Research Associate, Centre for Social Research on the Global  
Environment (CSERGE) University of East Anglia, Norwich

### **Education**

2003 - (awarded in 2004) Ph.D. in Environmental Economics. University of York, York,  
UK

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

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

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

### **Previous Professional Experience**

2009 –2012 Lecturer (UK equivalent for Assistant Professor) in Environment and  
Development, Department of Geography and Environment, London School of  
Economics. Tenure obtained in February 2011

2009 –2012 Director M.Sc. Programme in Environment and Development Department of Geography and Environment, London School of Economics

March 2006 – March 2009 Lecturer (UK Equivalent for Assistant Professor) in Applied Economics (Promoted to Senior Lecturer) Department of Economics University of Kent, Canterbury UK.

August 2008 – Visiting Professor Department of Agricultural and Applied Economics, University of Wisconsin, Madison USA, August 2007

January – March 2006 Visiting Scholar Department of Agricultural and Applied Economics, University of Wisconsin, Madison USA

March 2005 – May 2006 Senior Research Associate Centre for Social and Economic Research on the Global Environment (CSERGE), University of East Anglia, UK

January 2004 - February 2005 Post Doctoral Research Fellow Agricultural and Resource Economics Department, University of Maryland, College Park, MD - USA

### **Publications (Peer reviewed)**

38. Does Social Capital Affect Human Capital? Family Ties and Schooling Decisions. *Applied Economics* (Forthcoming)

37. Tesfamichael Wossen, Salvatore Di Falco, and Thomas Berger. Social capital, risk preference and adoption of improved farm land management practices in Ethiopia. *Agricultural Economics* (Forthcoming)

36. Salvatore Di Falco (2014). Adaptation to Climate Change in Sub Saharan Agriculture: Assessing the Evidence and Rethinking the Drivers. *European Review of Agricultural Economics*

35. Salvatore Di Falco, Felice Adinolfi, Martina Bozzola and Fabian Capitanio (2014). Crop Insurance as a Strategy for Adapting to Climate Change. *Journal of Agricultural Economics*

34. Erwin Bulte, Gonne Beekman, Salvatore Di Falco, Lei Pan, and Joseph Hella (2014). Behavioral responses and the impact of new agricultural technologies: Evidence from a double-blind field experiment in Tanzania. *American Journal of Agricultural Economics*

33. Salvatore Di Falco and Marcella Veronesi (2014). Managing Environmental Risk in Presence of Climate Change: The Role of Adaptation in the Nile Basin of Ethiopia. *Environmental and Resource Economics*

32. Saraly Andrade de Sa, Charles Palmer and Salvatore Di Falco (2013). Dynamics of Indirect Land-Use Change: Empirical Evidence from Brazil. *Journal of Environmental Economics and Management*.

31. Salvatore Di Falco and Marcella Veronesi. How African Agriculture Can Adapt to Climate Change? Counterfactual Analysis from Ethiopia (2013). **Land Economics**.
30. Salvatore Di Falco and Erwin Bulte (2013). Sharing Rules and the Adoption of Risk Mitigating Strategies: The Impact of Kinship Networks in Rural Ethiopia. **World Development**
29. Mintewab Bezabih and Salvatore Di Falco (2012). Rainfall variability and food crop portfolio choice: evidence from Ethiopia. **Food Security**. October
28. Salvatore Di Falco, Gunnar Kohlin and Mahmud Yesuf (2012). Strategies to Adapt to Climate Change and Farm Productivity in the Nile basin of Ethiopia. **Climate Change Economics**.
27. Charles Palmer and Salvatore Di Falco (2012). Biodiversity, Poverty and Development. **Oxford Review of Economic Policy**. 28 (1)
26. Salvatore Di Falco, Mahmud Yesuf, Claudia Ringler and Gunnar Kohlin (2012). Estimating the Impact of Climate Change on Agriculture in Low-Income Countries: Household Level Evidence from the Nile Basin, Ethiopia. **Environmental and Resource Economics**. Volume 52, Issue 4
25. Salvatore Di Falco (2012). Economic Incentives for Pollution Control in Developing Countries: What Can We Learn from the Empirical Literature? **International Agricultural Policy** n.2
24. Angela Doku and and Salvatore Di Falco (2012). Biofuels in Developing Countries: Are Comparative Advantages Enough? **Energy Policy** Volume 44
23. Salvatore Di Falco (2012). On the Valuation of Agricultural Biodiversity. **Annual Review of Resource Economics** volume 4
22. Jean-Paul Chavas and Salvatore Di Falco. Valuing the Contribution of Biodiversity to Ecosystem Services: Evidence From the Highlands of Ethiopia (2012). **Land Economics** 88 (1)
21. Jean-Paul Chavas and Salvatore Di Falco (2012). On the Role of Risk versus Economies of Scope in Farm Diversification with an Application to Ethiopian Farms. **Journal of Agricultural Economics** Vol. 63, No. 1
20. Salvatore Di Falco, Marcella Veronesi and Mahmud Yesuf (2011). Does Adaptation to Climate Change provides Food Security? A Micro Perspective from Ethiopia. **American Journal of Agricultural Economics** 93 (3)
19. Salvatore Di Falco and Erwin Bulte. A Dark Side of Social Capital? Kinship Consumption and Savings (2011). **Journal of Development Studies** Vol. 47, No. 8
18. Paolo De Castro, Felice Adinolfi, Fabian Capitanio and Salvatore Di Falco (2011). Building a New Framework for the Common Agricultural Policy: A Responsibility

Towards the Overall Community. *Eurochoices* Volume 10, Issue 1

17. Salvatore Di Falco, Mintewab Bezabih and Mahmud Yesuf (2010). Seeds for Livelihood. Crop Biodiversity in Ethiopia. *Ecological Economics* 69 (80)
16. Balcombe Kelvin, Fraser Iain and Salvatore Di Falco (2010). Traffic Lights and Food Choice: A Choice Experiment Examining the Relationship Between Nutritional Food Labels and Price. *Food Policy* 35(3)
15. Salvatore Di Falco, Ivan Penov, Aleksii Aleksiev, T.M. van Rensburg (2010). Agrobiodiversity Farm Profits and Land Fragmentation: Evidence from Bulgaria. *Land Use Policy* 27 (3)
14. Salvatore Di Falco and Jean-Paul Chavas (2009). On Crop Biodiversity, Risk Exposure and Food Security in the Highlands of Ethiopia. *American Journal of Agricultural Economics* 91(3)
13. Bhim Adhikari and Salvatore Di Falco (2009). Social Inequality and Collective Action: An Empirical Study of Forest Commons. *European Journal of Development Research* 21 (2)
12. 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. *Land Use Policy* 26 (2)
11. Salvatore Di Falco and T.M. van Rensburg (2008). Making the Commons Work: Conservation and Cooperation in Irish Commonage. *Land Economics* November
10. 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 (4)
9. 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
8. 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 (2)
7. 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
6. 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* 33 (3)

5. Ian J Bateman, Roy Brouwer, Howard Davies, Brett H Day, Salvatore Di Falco et al. (2006). Analysing the Agricultural Costs and Non-market Benefits of Implementing the Water Framework Directive. *Journal of Agricultural Economics* 57 (2)
4. Salvatore Di Falco and Charles Perrings (2005). Crop Biodiversity, Risk Management and the Implications of Agricultural Assistance. *Ecological Economics* 55 (4)
3. 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* 48 (1)
2. 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*, 50 (2)
1. Salvatore Di Falco (2002). Environmental Quality and Economic Development: an Econometric Analysis. *Economia delle Fonti d'Energia e dell'Ambiente* 1

### **Books**

*The Economics and Politics of Land and Food Scarcity* with Paolo De Castro, Felice Adinolfi, Fabian Capitanio and Angelo Di Mambro. Earthscan Publisher, October 2012.

### **Book contributions**

Salvatore Di Falco and Jean-Paul Chavas. Crop Biodiversity and Sustainable Land Management in Tigray, Ethiopia. In R. Bluffstone and G. Kohlin (Eds.). *Sustainable Land Management in Eastern Africa*. Resource for the Future Press, Washington DC USA 2011

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 2009

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.) *Biodiversity Economics: Principles, Methods and Applications*, 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

### **Other Publications**

Salvatore Di Falco. Book review: Sustainable land management in the tropics - explaining the miracle, K. Burger, F. Zaal (eds) (2010). Ashgate Publishing Limited: Farnham Surrey UK, 2009. ISBN: 978-07546-4455-2 (hardback) ***Land Degradation & Development***

Mahmud Yesuf, Salvatore Di Falco, Temesgen Deressa, Claudia Ringler, and Gunnar Kohlin How Can African Agriculture Adapt to Climate Change? Insight from Ethiopia and South Africa: the Impact of Climate Change and Adaptation on Food Production in Low-Income Countries (2008) ***IFPRI Research Brief*** 15-11. Available in *Amharic*

Giovanni Baiocchi and Salvatore Di Falco (2001). Investigating the Shape of the EKC: A Non- Parametric Approach, ***FEEM - Fondazione Eni Enrico Mattei Nota di lavoro***, No. 66 (permanent working paper)

### **Work in Progress**

Salvatore Di Falco, Xavier Vollenweider, Erwin Bulte and Menale Kassie. Disentangling the benefits from the adoption of agricultural innovations: Evidence from a double-blind experiment in Tanzania. Submitted

Tesfamichael Wossen, Salvatore Di Falco and Thomas Berger. You Are Not Alone: Social Capital and Risk Exposure in Rural Ethiopia. Submitted

Salvatore Di Falco, Mintewab Bezabih and Alemu Mekonnen. Is it the Climate or the Weather? Differential Economic Impacts of Climatic Factors in Ethiopia. Submitted

Jean-Paul Chavas and Salvatore Di Falco. The Dynamics of Yield Adjustments to Shocks: A Quantile Approach. Submitted

Salvatore Di Falco and Xavier Vollenweider. Avoiding the Family Tax: Social Pressure and Hiding in Village Economies. Draft

### **Courses Taught Undergraduate**

Environmental Economics (B.Sc. in Economics, University of Geneva)

Macroeconomics (B.Sc. in Economics, University of Geneva)

Development Economics (B.Sc. in Economics, and Socio-Economics University of Geneva)

Statistics and Econometrics (B.Sc. in Business Economics, Imperial College London)

Environment and Development (B.Sc. in Environment and Development, London School of Economics)

Environmental Impact Assessment and Valuation (B.Sc. in Environmental Policy, London School of Economics)

### **Graduate (M.Sc. and Ph.D.)**

Environmental Economics (MSc Science of the Environment, University of Geneva)  
Environment and Development Economics (MSc in Economics, University of Geneva)

Applied Quantitative Methods (M. Sc. in Environmental Economics and Climate Change, London School of Economics)

Resource Economics (M. Sc. in Environmental Economics and Climate Change, London School of Economics)

Environment and Development: Resources, Institutions and the Global South (M. Sc. in Environment and Development & M. Sc. in Environmental Policy and Regulation, London School of Economics)

Environmental and Resource Economics, Quantitative Methods applied in Agricultural and Resource Economics (University of Kent)

### **Prizes, Awards and other Honours**

2013 - International Geneva Award for best paper in International Studies for the publication: *How Can African Agriculture Adapt to Climate Change? A Counterfactual Analysis from Ethiopia* (Land Economics - November 2013, No 83, pages 761-784). Awarded by the Swiss Network for International Studies

2011 - 13th Triennial Meeting *European Agricultural Economic Association*. Best contributed poster: Vollenweider, X., Di Falco, S. & C. O'Donoghue "What is the Impact of Risk on Inequality? Evidence from the Irish Agricultural Sector"

2010 - 84th Annual Conference of the *Agricultural Economics Society*. Outstanding Young Researcher

2008 - 12th Triennial 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" (Only paper selected over 600 papers presented)

2003 - Graduate Grant. *Northeastern Agricultural and Resource Economics Association*, USA 2002 Elected Member at Large of the Graduate Student Section. the *American Agricultural Economics Association*, USA 2001 Excellence in Ph.D. dissertation in Agricultural Economics, University of Catania, Italy,

1999 Prize for best young researcher in Agricultural Economics, (£2000). "The Foundation Lima Mancuso", University of Palermo

Supervised research that won an award:

2011 Nicholas Ahlers. George and Hilda Ormsby Prize for Best Dissertation, London School of Economics.

### **Invited talks**

*British Ecological Society, CIMMYT Nairobi, Colby College (Department of Economics), Food and Agriculture Organization of the United Nations (FAO), Imperial College, London (Wye College), International Food Policy Research Institute, University of Birmingham (Department of Economics), University of Cambridge (Department of Land Economy), University College of Dublin (School of Agriculture,) University of Gothenburg (Department of Economics), University of Kent (School of Economics), University of Lunenburg (Research Colloquium Sustainability Economics), University of Manchester (Department of Economics), University of Maryland, (Agricultural and Resource Economics), University of Palermo (Department of Economics), University of Portsmouth, (CEMARE), University of Sussex (Department of Economics), University of Reading (School of Agriculture), School of Oriental and African Studies (Department of Economics), University of Wisconsin at Madison, (Department of Applied and Agricultural Economics)*

### **Professional Meetings**

Various presentation at meetings of *the Agricultural Economic Society (AES), American Agricultural and Applied Economics Association, BIOECON, Centre for Studies of African Economies (CSAE), Environment for Development Initiative, European Agricultural Economic Association European Association of Environmental and Resource Economics, Royal Economic Society*

### **Grants**

2013-International Wheat and Maize Improvement Center (CYMMIT) 90000\$  
Understanding Adaptation to Climate Risk: Perceptions, Barriers and Adoption of New Technology- 12 months

2012- Walsh Fellowship, Department of Agriculture of Ireland (Teagasc), 100000 € - (used to fund one PhD student) – four years

2012- EU FP7: Marie Curie Initial Training Networks. Economic value of biodiversity and ecosystem services 272000 € (used to fund one PhD student) - three years

2012 - Environment for Development Initiative and Swedish International Development



Agency (SIDA). Adaptation to Climate Change in Sub Saharan Africa 25000\$ -12 months

2012 – National Research Foundation South Africa and Swedish International Development Agency (SIDA). Risk and Time Preferences among Western Cape Fruit Farmers 50000\$ -12 months

2011- Environment for Development Initiative and Swedish International Development Agency (SIDA). On the adoption of improved cowpea varieties in Tanzania: A randomized controlled trial approach 14000\$ - 12 months

2010 - Environment for Development Initiative and Swedish International Development Agency (SIDA). On Adaptation to Climate Change in Ethiopia 8000\$ - 6 months

2009 - Walsh Fellowship, Department of Agriculture of Ireland (Teagasc), 100000 € --- (used to fund one PhD student)--- 4 years

2009 - Research project (Joint with the National University of Ireland at Galway): Valuation of Biodiversity and Ecosystem Services. Overall project --- Stimulus fund. 567000 € --- 4 years

2007 - 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. £45146 – 12 months

2005 - 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\$ - 6 months

2004 - Principal investigator research project: Modelling Crop Biodiversity Loss in the European Cereal Sector, National Research Council of Italy, Rome, Italy. 10000 € - 12 months

2002 - Research grant in Environmental Economics, National Research Council of Italy, Rome, Italy. 1000 € - 12 months

### **PhD Supervisions**

Mr. Xavier Vollenweider - thesis title: Management of price and production risk in Agriculture (LSE). Ongoing

Miss Sindra Sharma – Psychological Attitudes and Microfinance Adoption in the Developing World (LSE). Ongoing

Dr Christian Kingcombe – thesis title: The impact of the Feeder project in Zambia (Imperial College/Kent). Completed in 2010.

Dr Melanie Felgate - thesis title: The Impact of Promotions on Consumer Purchasing Behaviour for Meat (University of Kent). Completed in 2009.

### **Professional Affiliations**

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

### **Academic Referee**

Agricultural Economics, American Journal of Agricultural Economics, Australian Journal of Agricultural and Resource Economics, Ecological Economics, Ecology and Society, Environment and Development Economics, Environmental and Resource Economics, European Economic Review, European Review of Agricultural Economics, Food Security, Journal of Agricultural Economics, Journal of Economic Geography, Journal of Environmental Economics and Management, Land Economics, Land Use Policy, Spatial Economic Review

### **Personal Details**

Nationality: Italian Date of Birth 14/01/1972