

CURRICULUM VITAE

NAME: Stefano Farolfi

DATE OF BIRTH: 30 June 1965

ADDRESS: CIRAD UMR G Eau, 361 rue JF Breton, 34196 Montpellier Cedex 5, France

Tel : ++33 4 67166493 ; Fax : ++33 4 67166440 ; Email : farolfi@cirad.fr

NATIONALITY: Italian, Resident in France

MARITAL STATUS: Married, 2 children

EDUCATION: 1995: Ph.D. in Environmental and Natural Resource Economics. University of Padova (Italy).

1991: MSc. in Agricultural and Food Economics. Centre International de Hautes Etudes Agronomiques Méditerranéennes, Paris (France).

1989: MSc. (Laurea) in Agricultural Sciences. University of Bologna (Italy).

KEY QUALIFICATIONS: Environmental Economist, Specialist in Water Economics. Professorship (HDR) in Economics. University of Montpellier 1 (F), 2004.

LANGUAGES: Fluent in Italian, English, French, and Portuguese (written and spoken); Good oral and reading skills in Spanish.

OTHER SKILLS: Economic modeling and system dynamic modeling. Design and facilitation of participatory tools and processes.

PRESENT POSITION (since May 2000): Senior Researcher, Water Economist, at the French Agricultural Research Centre for International Development (CIRAD). Within this position, the following specific responsibilities and tasks were assumed and accomplished.

- February 2014- : Deputy Director of the Joint Research Unit 'Water Governance Actors and Uses: G Eau'.
- July 2009-June 2013: Scientific Director and Associate Professor, International Center for Water Economics and Governance in Africa (IWEGA), Universidade Eduardo Mondlane, Maputo (Mozambique): www.iwega.org
- January 2002-June 2009: Research Fellow and Senior Lecturer at the Center for Environmental Economics and Policy in Africa (CEEPA), University of Pretoria (South Africa). Scientific coordinator of the project "Tools and methodologies for the sustainable establishment of decentralized water management institutions (CMA)" (2002-2006). Responsible for the modelling component of the project "A stakeholder driven process to develop a catchment management plan for the Kat River valley" (2005-2007). Scientific and budgetary coordinator of the project "New water governance over water resources for sustainable rural development" (2007-2010).
- December 2006-December 2008: CIRAD Representative in South Africa.
- May 2000-December 2001: Researcher, Environmental economist based in Montpellier (F).

PREVIOUS POSITIONS:

1997-99 : Researcher at the Department of Rural Economics and Sociology of INRA-ENSA in Montpellier (F) within the European Commission Programme "Training and Mobility of Researchers (TMR)." Responsible for

the project "Pollution Control Choices in the Agro-Industry Sector: Economic Analysis in Two European Regions Following Neoclassical and Evolutionary Approaches."

1995-97 : Associate Professional Officer in the Marketing and Rural Finance Service (AGSM) of the Food and Agriculture Organization of the United Nations (FAO), Rome. Assistant Co-ordinator of the "Urban food marketing in Francophone Africa" programme, GCP/RAF/309/FRA. Missions in West Africa.

1993-95 : Research Assistant and Lecturer in the Department of Economics, Food Sciences and Technologies Faculty, University of Bologna (Italy). Courses of Agricultural Economics and Policy.

1993 (January-July) : Research Associate, Department of Agricultural Economics, Washington State University, Pullman WA (USA). Researches on the economics of wastewater management.

Other Research and Teaching Experiences:

2016-: Invited Professor, University of Montpellier, Doctoral School in Economics and Management (EDEG), Module of 5 hours in Participation, experimentation and economics for water management (PhD level).

2011-2013: Associate Professor, Universidade E Mondlane, Maputo. 45 hours post-graduate courses/year in Water Economics and Governance. Student supervision (Msc).

2010-2013: Visiting Lecturer, WaterNet regional MSc in IWRM, University of Zimbabwe, University of Dar Es Salaam. 40 hours post-graduate courses/year in Water Economics and Governance.

2002-2009: Senior Lecturer, University of Pretoria (SA). Over 100 hours post-graduate courses/year in environmental economics and policy. Student supervision (Msc and PhD).

2000-2002: Scientific co-ordinator of the annual training workshop (2 weeks) « Economics of natural resources and the environment », Cirad-Tera, Montpellier.

March 2001: Visiting Lecturer at ICRA (Wageningen – NL): International workshops on Screening research options for rural development.

1996-2001: Visiting Lecturer at Hame Polytechnic (Faculty of Agriculture) of Mustiala (Finland): International workshops on the following issues: Food marketing, Running countryside business, and Environmental economics.

1995-2001: Visiting Lecturer at Universities of Padova, and Venezia (Italy): workshops and seminars for PhD students on the following subjects: Environmental economics, Effects of structural adjustment measures on the food sector.

1998-99: National partner for the research programme: "Economic Instruments for Sustainable Development" founded by the European Foundation for the Improvement of Living and Working Conditions - Dublin (IRL).

1992-99: Visiting Lecturer within the International Course "Management, Marketing and Economics of Wine Sector" organised by the International Wine and Vine Bureau (OIV) (France). Course subject: "Economic aspects of wastewater management."

1991-94: Ph.D. fellowship grant holder in Environment and NR Economics, University of Padova (Italy).

Consultancies for International Organizations:

2000 (June-August): Consultant for the European Topic Centre on Inland Waters (ETC/IW) - European Environment Agency. Project "Methodologies for the assessment of urban wastewater management in Europe: a comparison".

1998 (February-April): Consultant (Academic exchange) for the Marketing and Rural Finance Service (AGSM) of the Food and Agriculture Organization of the United Nations (FAO), Rome. Visiting Scientist for the project "Export crop liberalisation in Sub-saharan Africa: a review".

Countries of residence: France (current, 7 years), Italy (30 years), South Africa (8 years), Mozambique (4 years), USA (8 months).

Countries visited: Long and short-term missions in most Southern African, Maghreb, and European Countries; Sporadic travels to Asia, Australia and the Middle-East.

MEMBERSHIP IN ACADEMIC AND PROFESSIONAL BODIES:

Scientific committees and peer reviews:

- Editor for Africa of the Springer books series “Global issues in water policy” (2014-).
- Member of the editorial board of the scientific journals: “Water SA” (2010-2018).
- External referee for the following scientific journals: “Ecological Economics”, “Journal of Environmental Management”, “Environment and Development Economics”, “South African Journal of Sciences”, “Agrekon”, “Economies et Sociétés”, “International Journal of Agricultural Resources, Governance and Ecology”, “Journal of Artificial Societies and Social Simulation”, “Strategic Behaviour and the Environment”.
- External referee for IFPRI (in 2002) and for the Water Research Commission of South Africa (WRC) (2003-2015): scientific valuation of research projects proposal for funding.
- Member of the scientific committee and coordinator of the economy section of the international conference “Integrated water resource management, lessons from implementation in developing Countries”, Cape Town, 10-12 March 2008.
- Member of the organizational and scientific committee of the international Workshop “Experimental design for natural resources management instruments”, Montpellier (F), 25-27 March 2008.
- Member of the scientific committee of the international conference “Water resource management for local development : government, institutions and policies”, Pretoria, 8-11 November 2004.
- Scientific coordinator of the project titled “Integrated environmental management in urban and industrial areas in Morocco”, MAR/B7-6200/99/0274/DEV/ENV, funded by CE (Life third countries) (2000 – 2001).

SELECTED PUBLICATIONS (Since 2006):

a) ARTICLES PUBLISHED IN PEER REVIEWED JOURNALS:

Farolfi S., Dubois D., Morardet S., Nouichi I., Marlet S. 2018. Fourniture d'information et consentement à payer l'eau d'irrigation dans les groupements de développement agricole tunisiens. Une étude par l'économie expérimentale. *Cahiers Agricultures*, **27**, 25001.

Lidon B., Lopez J.M., Sosiawan H., Kartiwa B., Triomphe B., Jamin J.Y., **Farolfi S.**, Bourgeois R., Becu N. 2018. Approach and impact of a participatory process for the reorganization of irrigation management: A case study in Indonesia. *Cahiers Agricultures*, **27**, 25006.

Grafton R.Q., McLindin M., Hussey K., Wyrwoll P., Wichelns D., Ringler C., Garrick D., Pittock J., Wheeler S., Orr S., Ansink E., Aureli A., Connell D., De Stefano L., Dowsley K., **Farolfi S.**, Hall J., Katic P., Lankford B., Leckie H., Pohlner H., Ratna N., Rubarenzya M.H., Raman S.S., Wheeler K., Williams J. (2016) Responding to Global Challenges 1 in Food, Energy, Environment and Water: Risks and Options Assessment for Decision-making (ROAD), *Asia and Pacific Policy Studies*, **3** (2): 275–299.

Dinar A., Ortiz Correa J., **Farolfi S.**, Mutondo J. 2016. Quantifying the process and performance of river basin water management decentralisation in Sub-Saharan Africa. *Journal of African Economies*, **25** (2): 267-299.

Farolfi S., Désolé M., Rio P. 2014. Influence of context on player behavior: Experimental assessment, *Simulation & Gaming*, **45** (4-5): 627-665.

Farolfi S., Gallego-Ayala, J. 2014. Domestic water access and pricing in urban areas of Mozambique: between equity and cost recovery for the provision of a vital resource, *International Journal of Water Resources Development*, **30** (4): 728-744.

Speelman S., Frija A., Perret S., D'Haese M., **Farolfi S.**, D'Haese L. 2011. Variability in smallholders' irrigation water values: study in North-West Province, South Africa, *Irrigation and Drainage* **60** (1): 11-19.

Speelman S., **Farolfi S.**, Frija A., et al. 2010 The impact of the water rights system on smallholder irrigators' willingness to pay for water in Limpopo province, South Africa, *Environment and Development Economics*, **15** : 465-483

Farolfi S., Müller J.P., Bonte B. 2010. An iterative construction of multi-agent models to represent water supply and demand dynamics at the catchment level, *Environmental modelling and software*, **25** (10) : 1130-1148.

Speelman S., **Farolfi S.**, Frija A., Van Huylenbroeck G. 2010. Valuing improvements in the water rights system in South Africa: a contingent ranking approach, *Journal of the American Water Resources Association*, **46** (6) : 1133-1144.

Speelman S., Buysse J., **Farolfi S.**, Frija A., D'Haese M., D'Haese L. 2009. Estimating the impacts of water pricing on smallholder irrigators in North West Province, South Africa. *Agricultural water management*, **96** (11) : 1560-1566.

Anderson A., Karar E., **Farolfi S.** 2008. Synthesis : IWRM lessons for implementation. *Water SA*, **34** (6) : 665-669.

Kanyoka P., **Farolfi S.**, Morardet S. 2008. Households' preferences and willingness to pay for multiple use water services in rural areas of South Africa : an analysis based on choice modelling. *Water SA*, **34** (6) : 715-723.

Speelman S., **Farolfi S.**, Perret S., D'Haese L., D'Haese M. 2008. Irrigation water value at small-scale schemes: Evidence from the North West Province, South Africa. *International journal of water resources development*, **24** (4) : 621-633.

Farolfi S., Mabugu R., Ntshingila S. (2007) "Domestic water uses and values in Swaziland : A contingent valuation analysis", *Agrekon*, **46** (1): 157-170.

Banda B., **Farolfi S.**, Hassan R. (2007) "Estimating water demand for domestic use in rural South Africa in absence of price information", *Water Policy*, **9** (5): 513-528.

b) BOOKS:

Mutondo J., **Farolfi S.**, Dinar A. 2016. *Water governance decentralization in Sub-Saharan Africa: Between Myth and Reality*, Springer briefs in water sciences and technology, 125 p.

Farolfi S., Mutondo J, Araújo B. 2011. "Introdução a economia e governação da agua na Africa Austral", UEM-IWEGA, Imprensa Universitaria UEM, Maputo, 177 p.

Perret S., **Farolfi S.**, Hassan R. (editors) (2006) "Water governance for sustainable development: Approaches and lessons from developing and transitional countries", Earthscan, 368p.

c) CHAPTERS OF BOOKS:

Farolfi S., Jamin J.Y. 2016. Blue gold and its challenges: water stress in Africa. In : Pesche Denis (ed.), Losch Bruno (ed.), Imbernon Jacques (ed.). *A new emerging rural world - an overview of rural change in Africa*. Montpellier : Cirad, Nepad, p. 46-47.

Barreteau O., **Farolfi S.**, Perret S., 2015. La gestion des territoires hydrologiques à l'épreuve du changement climatique. In: Torquebiau E. *Changement climatique et agricultures du monde*. Collection Agricultures et défis du monde, Cirad-AFD. Editions Quae, p. 147-156.

Abrami G., Ferrand N., Morardet S., Murgue C., Popova A., De Fooij H., **Farolfi S.**, Du toit D., Aquae-Gaudi W. 2012. *Wat-A-Game, a toolkit for building role-playing games about integrated water management*. In : R. Seppelt, A.A. Voinov, S. Lange, D. Bankamp (Eds.): International Environmental Modelling and Software Society (iEMSs) 2012 International Congress on Environmental Modelling and Software. Managing Resources of a Limited Planet: Pathways and Visions under Uncertainty, Sixth Biennial Meeting, Leipzig, Germany, p. 1912-1919

Ducrot R., Botta A., D'Aquino P., Antona M., Abrami G., **Farolfi S.**, Müller J.P., Lagabrielle E., Le Page C. 2010. *The companion modelling approach: dealing with multiple scales and multiple levels of organization*. In : Etienne, M. (ed.) *Companion Modelling, a Participatory Approach to Support Sustainable Development*. Versailles : Ed. Quae, p. 251-275.

Caron P., Craufurd P., Martin A., Mc Donald A., Abedini W., Afiff S., Bakurin N., Bass S., Hilbeck A., Jansen T., Lhaloui S., Lock K., Newman J., Primavesi O., Sengooba T., Ahmed M., Ainsworth E.A., Ali M., Antona M., Avato P., Barker D., Bazile D., Bosc P.M., Bricas N., Burnod P., Cohen J.I., Coudel E., Dulcire M., Dugué P., Faysse N., **Farolfi S.**, Faure G., Goli T., Grzywacz D., Hocdé H., Imbernon J., Ishii-Eiteman M., Leakey A., Leakey C., Lowe A., Marr A., Maxted N., Mears A., Molden D.J., Müller J.P., Padgham J., Perret S., Place F., Raoult-Wack A.L., Reid R., Riches C., Scherr S.J., Sibelet N., Simm G., Temple L., Tonneau J.P., Trébuil G., Twomlow S., Voituriez T. 2009. Impacts of AKST on development and sustainability goals. In : McIntyre Beverly D. (ed.), Herren Hans R. (ed.), Wakhungu Judi (ed.), Watson Robert T. (ed.). *Agriculture at a crossroads. International Assessment of Agricultural Knowledge, Science and Technology for Development (IAASTD) : global report*. Washington : Island Press, p. 145-253.

Dinar A., **Farolfi S.**, Patrone F., Rowntree K. (2008) "To negotiate or to game theorize: evaluating water allocation mechanisms in the Kat Basin, South Africa", in: Dinar, Albiac and Sanchez-Soriano (eds.) "Game Theory and Policy Making in Natural Resources and the Environment", Routledge, p. 85-111

Banda B., **Farolfi S.**, Hassan R. (2006) "Determinants of Quality and Quantity Values of Water for Domestic Uses in the Steelpoort Sub-Basin: A Contingent Valuation Approach", in: Perret, Farolfi, Hassan (Eds.) "Water Governance for Sustainable Development", Earthscan, p. 167-188.