Damien Jourdain

Natural and Agricultural Resource Economist
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Academic qualifications

2021	Habilitation to supervise research in Economics (HDR), University of Montpellier, Montpellier, France. "Développement agricole durable: Comprendre, anticiper et influencer les choix de technologie des agriculteurs". Jury : Aude Ridier (Agrocampus Ouest, Rapporteur) ; Tina Rambonilaza (INRAE, Agrosup Dijon, Rapporteur), Douadia Bougherara, (INRAE, CEE-M, Rapporteur), JM Blazy (INRAE, UR ASTRO, Examiner), Marielle Montginoul (INRAE, G-EAU, Garante)
2004	PhD. Université Montpellier I, Montpellier, France. « *Impact des politiques visant à réduire la consommation brute en eau des systèmes irrigués : Le cas des puits gérés par des collectifs de producteurs au Mexique* ». Thesis Director: Michel Benoit-Cattin. Rapporteurs: Jean-Marc Boussard and Consuelo Varela Ortega. Examiners: Jean-Marie Boisson, Thierry Rieu, Patrick Rio.
1995	MSc "Economics of Agricultural and Agri-Food Development". University of Montpellier I and Ecole Nationale Supérieure Agronomique de Montpellier (ENSAM).
1986	Agricultural Engineering Degree, Ecole Nationale Supérieure Agronomique de Rennes (ENSAR). Specialization in Rural Economy.

Scientific interests

- Analysis of the policies promoting sustainable agriculture in developing countries
- Modelling of production systems (coupled biophysical and economic models)
- Discrete Choice Experiments applied to the economic valuation of environmental services and to the analysis of the diversity of technological preferences (econometric analysis using R software)
- Diversity of views analysis (Q method)
- Multi-criteria analysis (AHP, Best-Worst Scaling)

Languages

French: Mother tongue
English: Spoken (excellent), Read (excellent), Written (good)
Spanish: Spoken (excellent), Read (excellent), Written (good)
Thai: Spoken (good), Read (basic)

Professional experience

2017-	UMR G-EAU (CIRAD-ES) & Department of Agricultural Economics & Extension, University of Pretoria, South Africa. Senior Researcher. Agricultural and Natural Resource Economist at the Centre for Environmental Economics and Policy in Africa (CEEPA) of the Department of Agricultural Economics, Extension and Rural Development.
2010-16	UMR G-EAU (CIRAD-ES) & Asian Institute of Technology (AIT). Researcher & Assistant Professor within the « Natural Resources Management » Unit.
2006-10	UMR G-EAU (CIRAD-ES) & International Rice Research Institute (IRRI). Researcher. Agricultural and Natural Resource Economist. Based in Hanoi (Vietnam) in collaboration with the Thai Nguyen University of Economics and Business Administration (TUEBA) and the North Vietnamese Mountainous Area Agricultural and Forestry Research Centre (NOMAFSI).
2002-06	UMR G-EAU (CIRAD-ES) Agricultural and Natural Resource Economist. Montpellier, France. First in the GEC program (CIRAD - Department of Annual Crops), then in the UMR G-EAU (CIRAD - Department of Environment and Societies)
1997–2002	CIRAD & CIMMYT, Economy Programme, Mexico. Researcher.
1995-1996	CIRAD. Researcher, Agricultural Economics. Montpellier, France
1987-1994	United Nations Economic and Social Commission for Asia and the Pacific (ESCAP). Agriculture Division. Bangkok, Thailand. UN Associate Expert, then recruited by CIRAD in 1991, but still posted at ESCAP.

Projects (recent)

	Full name	**Role**
TypoClim (2020-22)	Typology and assessment of policy instruments to promote agricultural adaptation to climate change. Funded by MUSE	Coordination of a study on farmers preferences for alternative policy options
RAIZ (2021-25)	Resilience Building through Agroecological Intensification in Zimbabwe (Funded by European Union)	Responsible for the socio-economic activities in the project. Development of two choice experiments for evaluation of farmers preferences for innovation traits; development of an auction mechanism to reveal willingness to accept innovations.
SoCapZ (2022-23)	Social Capital in Zimbabwe (Funded by Acropolis Foundation)	Coordination of the project; development of incentivized games for the evaluation of social capital within communities.
URBAN-FOSC (2021-24)	Urban Food Resilience under Climate Change (Funded by Agence Nationale de la Recherche; ERA-NET)	Coordination of the CIRAD funded part of the project. Development of surveys (contingent behavior) to anticipate potential response of farmers to climate change

CA-NUDP	Conservation Agriculture within the Northern Upland Development Program (Funded by DGDC - EuropeAid and Agence Française de Développement.	Supervision of a PhD student: preferences of farmers for sustainable intensification technologies

Publications

h index (Scopus)	**11**
h index (Google scholar)	16

Journal papers in scientific journal with impact factor

1. Mutti, S. M., **Jourdain, D.**, Karuaihe, S., Lundhede, T. H., & Mungatana, E. D. (2023, Under Publication). Policies to reduce local participation in illegal hunting: the case of Kafue National Park in Zambia. Ecological Economics. (*IF: 5.389*)
2. Gwara, S., Wale, E., Lundhede, T., **Jourdain, D.**, & Odindo, A. (2023). Ex-ante demand assessment and willingness to pay for human excreta derived co-compost: Empirical evidence from rural South Africa. Journal of Cleaner Production, 388, 135570. (doi: 10.1016/j.jclepro.2022.135570) (*IF: 11.072*)
3. Asghar, S., Tsusaka, T. W., **Jourdain, D.**, Saqib, S. E., and Sasaki, N. (2022). Assessing the efficiency of smallholder sugarcane production: The case of Faisalabad, Pakistan. *Agricultural Water Management*, 269 (doi: 107643.10.1016/j.agwat.2022.107643) (*IF: 4.516*)
4. Mahlalela, L. S., **Jourdain, D.**, Mungatana, E. D., and Lundhede, T. H. (2022). Diverse stakeholder perspectives and ecosystem services ranking : Application of the Q-methodology to Hawane Dam and Nature Reserve in Eswatini. *Ecological Economics*, 197 (doi: 107439.10.1016/j.ecolecon.2022.107439) (*IF: 5.389*)
5. **Jourdain, D**, Lairez, J, Striffler, B and Affholder, F (2020) Farmers' preference for cropping systems and the development of sustainable intensification: a choice experiment approach. *Review of Agricultural, Food and Environmental Studies* (doi :10.1007/s41130-020-00100-4)
6. Lairez, J, Lopez-Ridaura, S, **Jourdain, D**, Falconnier, G N, Lienhard, P, Striffler, B, Syfongxay, C and Affholder, F (2020) Context matters: Agronomic field monitoring and participatory research to identify criteria of farming system sustainability in South-East Asia. *Agricultural Systems* 182102830. (doi :10.1016/j.agsy.2020.102830). (*IF : 4.33*)
7. Asghar, S, Sasaki, N, **Jourdain, D** and Tsusaka, T W (2018) Levels of Technical, Allocative, and Groundwater Use Efficiency and the Factors Affecting the Allocative Efficiency of Wheat Farmers in Pakistan. *Sustainability* 10(5), 1619. *(IF: 3.01)*
8. Sakolwitayanon, H, Peeyush, S and **Jourdain, D** (2018) Attributes determining consumer preference for organic rice in Bangkok, Thailand. *British Food Journal* 120(9), 2017-2032. *(IF: 2.09)*
9. Suwansin, R, Kuwornu, J K, Datta, A, **Jourdain, D** and Shivakoti, G P (2018) Salvaging mortgage loans and land title redemption with revolving funds in Thailand. *Agricultural Finance Review* 78(1), 2-24. *(IF : 1.06)*
10. Faysse, N, Rais, I, Ait El Mekki, A and **Jourdain, D** (2017) Prospects for a certified mint supply chain in Morocco based on an assessment of consumers' willingness to pay. New Medit 16(2), 47-54. (*IF: 0.8*)
11. **Jourdain, D** and Vivithkeyoonvong, S (2017) Valuation of ecosystem services provided by irrigated rice agriculture in Thailand: a choice experiment considering attribute non-attendance. *Agricultural Economics* 48(5), 655-667. (*IF: 2.72*)
12. Promme, P, Kuwornu, J K, **Jourdain, D**, Shivakoti, G P and Soni, P (2017) Factors influencing rubber marketing by smallholder farmers in Thailand. *Development in Practice* 27(6), 865-879. (*IF: 0.79*)

13. Qian, C, Sasaki, N, **Jourdain, D**, Kim, S M and Shivakoti, P G (2017) Local livelihood under different governances of tourism development in China–A case study of Huangshan mountain area. *Tourism Management* 61221-233. *(IF: 8.2)*
14. Suwansin, R, Kuwornu, J K, Datta, A, **Jourdain, D** and Shivakoti, G P (2017) Salvaging mortgage loans and land title redemption with revolving funds in Thailand. *Agricultural Finance Review*. *(IF : 1.06)*
15. Vivithkeyoonvong, S and **Jourdain, D** (2017) Willingness to pay for ecosystem services provided by irrigated agriculture in Northeast Thailand. *International Journal of Biodiversity Science, Ecosystem Services & Management* 13(1), 14-26. (SJR 2019: 0.95)
16. Andriyani, I, **Jourdain, D**, Lidon, B, Soni, P and Kartiwa, B (2016) Upland Farming System Erosion Yields and Their Constraints to Change for Sustainable Agricultural Conservation Practices: A Case Study of Land Use and Land Cover (LULC) Change in Indonesia. *Land Degradation & Development*. (*IF: 4.73*)
17. Sakprachawut, S and **Jourdain, D** (2016) Land titles and formal credit in Thailand. *Agricultural Finance Review* 76(2), 270-287. *(IF : 1.06)*
18. Timsina, K P, **Jourdain, D** and Shivakoti, G (2016) Farmer preference for seed quality: A choice experiment with tomato growers in Nepal. *International Journal of Value Chain Management* 7(4), 368-390. *(IF: 0.43)*
19. Tukaew, S, Datta, A, Shivakoti, G P and **Jourdain, D** (2016) Production Practices Influenced Yield and Commercial Cane Sugar Level of Contract Sugarcane Farmers in Thailand. *Sugar Tech* 18(3), 299-308. *(IF: 1.27)*
20. Hauswirth, D, Pham Thi Sen, Wery, J, Tittonell, P, **Jourdain, D** and Affholder, F (2015) Exploiting farm typologies for designing conservation agriculture systems: a case study in northern Vietnam. *Cahiers Agricultures* 24(2), 102-112. *(IF: 0.75)*
21. Quyen, L. N., Affholder, F., Montagne, J., **Jourdain, D.**, Ripoche, A., & Capillon, A. (2015). Sowing windows for a spring crop introduced in rice cultivation areas affected by low temperature and radiation. *Experimental Agriculture*, 51(4) 540-566. (*IF: 2.089*)
22. Srisopaporn, S, **Jourdain, D,** Perret, S and Shivakoti, G (2015) Adoption and continued participation in a public Good Agricultural Practices program: the case of rice farmers in the Central Plains of Thailand. *Technological Forecasting and Social Change* 96 (2015) 242-253. *(IF : 4.85)*
23. Swe, L M M, Shrestha, R P, Ebbers, T and **Jourdain, D** (2015) Farmers' perception of and adaptation to climate-change impacts in the Dry Zone of Myanmar. *Climate and Development* 7 (5) *(IF: 2.34)*
24. Ullah, R, **Jourdain, D**, Shivakoti, G P and Dhakal, S (2015) Managing catastrophic risks in agriculture: Simultaneous adoption of diversification and precautionary savings. *International Journal of Disaster Risk Reduction* 2015(12), 268-277. *(IF: 3.37)*
25. **Jourdain, D**, Boere, E, van den Berg, M, Dang, Q D, Cu, T P, Affholder, F and Pandey, S (2014) Water for forests to restore environmental services and alleviate poverty in Vietnam: A farm modeling approach to analyze alternative PES programs. *Land Use Policy* 41(2014), 423-437. *(IF: 4.22)*
26. Santikayasa, I. P., Babel, M. S., Shrestha, S., **Jourdain, D.**, & Clemente, R. S. (2014). Evaluation of water use sustainability under future climate and irrigation management scenarios in Citarum River Basin, Indonesia. *Int. Journal of Sustainable Development & World Ecology*, 21 (2), 181-194. (*IF: 2.836*)
27. Sapkota, L M, Shrestha, R P, **Jourdain, D** and Shivakoti, G P (2014) Factors Affecting Collective Action for Forest Fire Management: A Comparative Study of Community Forest User Groups in Central Siwalik, Nepal. *Environmental Management* 55(1), 1-16. *(IF: 2.63)*
28. Perret, S-R, Saringkarn, P, **Jourdain, D** and Babel, M S (2013) Can rice farmers pay irrigation costs? An investigation of irrigation supply costs and use value in a case study scheme in Thailand. *Cahiers Agricultures* 22(5), 1-8. *(IF: 0.75)*
29. **Jourdain, D**, Dang Dinh Quang, Tran Pham Van Cuong and Jamin, J-Y (2011) Différenciation des exploitations agricoles dans les petits bassins versants de montagne au Nord du Vietnam: le rôle clé de l'accès à l'eau ? *Cahiers Agricultures* 20(1-2), 48-59. *(IF: 0.75)*

30. **Jourdain, D**, Rakotofiringa, A, Quang, D D, Valony, M-J, Jamin, J-Y and Vidal, R (2011) Gestion de l'irrigation dans les montagnes du Nord du Vietnam : vers une autonomie accrue des irrigants ? *Cahiers Agricultures* 20(1-2), 78-84. *(IF: 0.75)*
31. Affholder, F, **Jourdain, D**, Quang, D D, Tuong, T P, Morize, M and Ricome, A (2010) Constraints to farmers' adoption of direct-seeding mulch-based cropping systems: A farm scale modeling approach applied to the mountainous slopes of Vietnam. *Agricultural Systems* 103(1), 51-62. *(IF : 4.33)*
32. **Jourdain, D**, Tai, D A, Quang, D D and Pandey, S (2009) Payments for environmental services in upper-catchments of Vietnam: will it help the poorest? *International Journal of the Commons* 3(1), 64-81. *(IF: 2.41)*
33. Affholder, F, **Jourdain, D**, Morize, M, Quang, D D and Ricome, A (2008) Eco-intensification sur les versants montagneux au Vietnam. Contraintes et opportunités d'adoption des SCV par les agriculteurs. *Cahiers Agricultures* 17(3), 290-296. *(IF: 0.75)*
34. Castella, J-C, **Jourdain, D**, Trébuil, G and Napompeth, B (1999) A systems approach to understanding obstacles to effective implementation of IPM in Thailand: key issues for the cotton industry. *Agriculture, Ecosystems and Environment* 72(1), 17-34. *(IF: 4.42)*
35. Schiffers, B C, Cooper, J F, Copin, A, Coste, C M, Deuse, J P L, **Jourdain, D**, Keck, G, Savelkoul, T J F and Wynn, N (1995) Banques de données sur les pesticides et l'environnement: outils précieux pour l'information et la promotion d'un usage correct des pesticides. Bulletin de la Recherche Agronomique de Gembloux 30(4), 319-338.

Book Chapters

1. Malam, I O, Hauswirth, D, **Jourdain, D**, Orange, D, Duteurtre, G and Valentin, C (2018). Ethical questions associated with research on soil-based ecosystem services. In: Moulin, A. M., Oupathana, B., Souphanthong, M. and Taverne, B., eds., Ethics in Research for International Development: Health, Environment, Societies Dakar (SEN); Marseille (FR): L'Harmattan-Sénégal.
2. Vivithkeyoonvong, S, **Jourdain, D**, Janekarnkij, P, Perret, S R and Shivakoti, G (2018). Society's preferences for Ecosystem Services from Irrigated Rice Areas: a case study in Northeast Thailand. In: Trisurat, Y., Shrestha, R. P. and Havmoller, P., eds., Thailand: Environmental Resources, Social Issues and Related Policies. New York: Nova Science Publishers, pp. 323-346.
3. Andriyani, I, **Jourdain, D**, Shivakoti, G, Lidon, B and Kartiwa, B (2016). Can Uplanders and Lowlanders Share Land and Water Services? (A Case Study in Central Java Indonesia). In Shivakoti, G. P., Pradhan, U. and Helmi, eds., Redefining diversity and dynamics of natural resources management in Asia : Sustainable natural resources management in dynamic Asia. Amsterdam: Elsevier, pp. 321-330.
4. **Jourdain, D**, Srisopaporn, S, Perret, S R and Shivakoti, G (2016). The Role of Information Provision on Public GAP Standard Adoption: The Case of Rice Farmers in the Central Plains of Thailand. In Shivakoti, G. P., Pradhan, U. and Helmi, eds., Redefining diversity and dynamics of natural resources management in Asia : Sustainable natural resources management in dynamic Asia. Amsterdam: Elsevier, pp. 331-350.
5. **Jourdain, D**, Boere, E, van den Berg, M, Quang, D D, Thanh, C P and Affholder, F (2016). Cash-Based Versus Water-Based Payment for Environmental Services in the Uplands of Northern Vietnam: Potential Farmers' Participation Using Farm Modeling. In Mai Van Thanh, Tran Duc Vien, Leisz, S. J. and Shivakoti, G. P., eds., Redefining diversity and dynamics of natural resources management in Asia : upland natural resources and social ecological systems in northern Vietnam. Amsterdam: Elsevier, pp. 43-62.
6. **Jourdain, D** (2006). Impact of institutional changes within small-scale collective irrigated systems: A case-study in Mexico. In Perret, S., Farolfi, S. and Hassan, R., eds., Water Governance for Sustainable Development: Approaches and Lessons from Developing and Transitional Countries. London: Earthscan, pp. 223-238.

7. Bonnal, P, Affholder, F, **Jourdain, D** and Scopel, E (2001). Un modèle bio-économique pour l'analyse du risque. In Malézieux, E., Trébuil, G. and Jaeger, M., eds., Modélisation des agroécosystèmes et aide à la décision. Montpellier: CIRAD-INRA, pp. 329-349.

Working documents

1. Mungatana E.D., Jooste A., Naudé W.H., **Jourdain, D.** (2022) Climate change and water use: Farmers' preferences for policy options. Report of the South Africa case study for the project "Typology and assessment of policy instruments to promote agricultural adaptation to climate change" (TYPOCLIM). Stellenbosch University and BFAP, Stellenbosch, South Africa.
2. Barreteau, O, Bonte, B, Caballero, Y, Dubois, E, Farolfi, S, Garin, P , Hérivaux, C, **Jourdain D**, Le Coënt P, Malard J, Montginoul M, Morardet S, Neverre, N (2022). Analysing practices, social representations and behaviours of socio-hydro systems' actors. Retrieved from Montpellier: https://agritrop.cirad.fr/603255/1/Full_Document_WP13.pdf
3. **Jourdain D**, Mungatana, E, Namakando, N, Mirzabaev, A and Njiraini, G (2020). Water Quality and Water Related Ecosystem Services in the Olifants - South Africa: A qualitative approach, Working Document, Pretoria: University of Pretoria, 145 pp.
4. Mirzabaev, A, Njiraini, G, **Jourdain, D**, Magaia, E, Julio, F, Mosse, G, Mutondo, J and Mungata, E (2019). Transboundary Water Resources for People and Nature: Challenges and Opportunities in the Olifants River Basin, Working Document, University of Bonn - ZEF
5. **Jourdain, D**, Vivithkeyoonvong, S and Srisopaporn, S (2012). Stakeholders' views on the sustainability of rice production in Thailand. Report for the Sustainable Rice Platform. Bangkok: Asian Institute of Technology, 14 pp. (+ 30 pp annexes)
6. **Jourdain, D**, Dang Dinh Quang, Boere, E and Cu Phuc Thanh (2010). Trade-off analysis in the use of water: farm and small catchment simulations, In, Hanoi: CPWF PN 11 57.
7. Jackson, M T, **Jourdain, D**, Pandey, S and Gurung, H (2009). Exploring the relevance and feasibility of PES approaches for producing environmental services through changes in agricultural practices: a case of study in the Mekong region: Final report of a CPWF funded project., In, Metro Manila: IRRI, 17 pp.
8. Rakotofiringa, A, **Jourdain, D,** Dang Dinh Quang, Jamin, J-Y and Valony, M-J (2009). Diagnosis and typology of mountainous irrigated systems: Van Chan District, Yen Bai Province, Vietnam. Working Document. Hanoi: IRRI/CIRAD/TUEBA/NOMAFSI.
9. Tai, D A, Cong, N V, Velasco, M L, **Jourdain, D**, Cuong, T P V, Ha, H, Dung, N D, Cuong, P N, Anh, T V, Pandey, S, Gurung, H and Samson, B (2007) Assessment on the socio-economic situation and challenges to agricultural development in upper-catchment of Vietnam: the case of Van Chan district, Yen Bai province, In, Thainguyen, Vietnam: TUEBA, 30 pp.
10. Morize, M, **Jourdain, D**, Affholder, F and Quang, D D (2005) Adoption of mulch and cover crop-based cropping systems by small farms in the northern mountains of Vietnam: Ex-ante evaluation using farm models, In, Montpellier: CIRAD, 52pp.
11. **Jourdain, D**, Scopel, E and Affholder, F (2001) Impact of conservation tillage on maize cropping systems productivity and stability: a case study in western Mexico, Working Document, Mexico: CIMMYT.
12. **Jourdain, D**, Triomphe, B and Arreola Tostado, J-M (2001) Detección de obstáculos y necesidades sobre labranza de conservación. Reporte final del proyecto CIMMYT-FIRA: Preparando la Transición Hacia una Agricultura Sostenible con Base en la Generación, Adaptación Difusión de Sistemas de Labranza de Conservación en México, In, Mexico: CIMMYT.
13. **Jourdain, D** (1999) Introduction du risque dans les modèles de décision: une synthèse bibliographique. Working Document, Montpellier: CIRAD-CA, 112 pp.
14. **Jourdain, D** (1995) Utilisation des modèles bio-économiques pour l'analyse des stratégies de protection des plantes: faisabilité, problèmes théoriques. Working Document, Montpellier: CIRAD-CA, 90 p.

International conferences

1. Manganyi B., Karuaihe S., **Jourdain D.**, (2022). Preferences for index-based pasture insurance: a choice experiment in Limpopo Province, SouthAfrica. Paper presented at 59th Agricultural Economics Association of South Africa **(**AEASA) Conference, Strand hotel, Swakopmund, Namibia, 2-5 october 2022. (Awarded: 3rd Best Paper)
2. Lungu, H, Karuaihe, S and **Jourdain, D** (2018) Climate Smart Agriculture Technology: An assessment of youth technology adoption in the Northern Province of Zambia, A paper presented at Sustainability and Development Conference, Ann Arbor, Michigan, November 9-11, 2018.
3. Vagneron, I, **Jourdain, D**, Myint, T and Ferrand, P (2018) Urban consumer perceptions of food in Myanmar: between tradition and modernity, In University of Michigan, ed., Sustainability and Development Conference, Ann Arbor, Michigan, November 9-11, 2018.
4. **Jourdain, D**, Boere, E, van den Berg, M, Dang Dinh Quang, Thanh, C P and Affholder, F (2012) Can more irrigation help in restoring environmental services of upper-catchments of Northern Vietnam?, In 3rd International Conference on Conservation Agriculture in Southeast Asia. , Hanoi, Vietnam: CIRAD Montpellier France, NOMAFSI Phu Tho Viet Nam, University of Queensland, Brisbane, Australia, 372p.
5. Tai, D A, **Jourdain, D**, Quang, D D and Pandey, S (2008) Payment for environmental services in the upper-catchments of Vietnam: will it help the poorest? In: The Upland Program (ed.), Interdependencies between upland and lowland agriculture and resource management, Stuttgart: Hohenheim University. April 1-4, 2008.
6. **Jourdain, D**, Benoit-Cattin, M and Triomphe, B (2003) Electricity pricing to reduce agricultural water demand: impacts on collectively-managed wells in Mexico (poster), In: 25th International Conference of International Association of Agricultural Economists, Durban, South Africa.
7. **Jourdain, D**, Benoit-Cattin, M and Triomphe, B (2002) La réduction du gaspillage de l'eau souterraine par l'agriculture ne serait-elle qu'une simple question de prix de l'énergie d'extraction? Le cas des producteurs du Bajío Guanajuatense, Mexique. In: Irrigation Water Policies: micro and macro considerations, 15-17 June 2002, Agadir, Maroc.
8. **Jourdain, D**, Triomphe, B and Arreola Tostado, J-M (2001) Differential adoption of direct seeding in Guanajuato, Mexico: a baseline survey. In: Conservation agriculture. A worldwide challenge: 1st World Congress on Conservation Agriculture, Madrid, Spain, 35-39.
9. Triomphe, B, **Jourdain, D**, Arreola Tostado, J-M and Escoto Ramirez, H (2001) Towards large-scale adoption of no-tillage in central Mexico: a participatory, multi-institutional approach to technology development and diffusion. In: 1st World Congress on Conservation Agriculture, Madrid, Spain.
10. Affholder, F, Bonnal, P, **Jourdain, D** and Scopel, E (1998) Small-scale farming diversity and bioeconomic environment variability: A modelling approach. In: 15th International symposium of the association for farming systems research extension (AFSRE), Pretoria, South Africa, 14.
11. Flichman, G and **Jourdain, D** (1998) Economic policy and water pollution, In Wossink, G. A. A., van Kooten, G. C. and Peters, G. H., eds., Symposium of the International Association of Agricultural Economists: Economics of Agro-chemicals. An international overview of use patterns, technical and institutional determinants, policies and perspectives. Wageningen, Ashgate, 283-294.
12. Stephan, A, Bonnal, P and **Jourdain, D** (1998) Impact des mesures macro-économiques sur les systèmes de production basés sur le maïs pluvial au Mexique, étude de cas. In: 15th International Symposium of the Association for Farming Systems Research-Extension, Pretoria, South-Africa, 18p.
13. **Jourdain, D** (1996) Tradeoffs between environmental and economic impact of agricultural policies: application to agricultural inputs. In: Conference on integrating environmental assessment and socio-economic appraisal in the development process, Bradford, England.

National conferences

1. **Jourdain, D**, Lairez, J, Striffler, B and Affholder, F (2018) Farmers preference for cropping systems and the development of sustainable intensification: a choice experiment approach, In 12eme Journées de Recherches en Sciences Sociales, Nantes, 13-14 Dec 2018.
2. Affholder, F, **Jourdain, D**, Scopel, E and Alary, V (2010) Bioeconomic modelling: is there room for seamless multidisciplinarity? , In : Innovation et Développement Durable dans l'Agriculture et l'Agroalimentaire, ISDA 2010. Montpellier, France.
3. **Jourdain, D**, Benoit-Cattin, M, Lidon, B and Triomphe, B (2004) Qui paiera la facture de la réduction de la stabilisation des nappes : le cas des aquifères du Bajio Guanajuatense, Mexique., In Caron, P., Jamin, J. Y., Richard, A. and Ruf, T., eds., Coordinations hydrauliques et justices sociales, Montpellier, France: CIRAD, 12.

PhD Supervisions

PhD currently co-supervised (Pretoria University, South Africa)

1. M. Linda Siphiwo Mahlalela (2016-): "Non-market valuation of wetland ecosystem services in Swaziland" (with Prof. Eric Mungatana, UP)
2. M. Shadreck Mukanjo Mutti (2018-): "Using market based instruments to reward for environmental stewardship: a case of Zambia's community-based wildlife conservation policy" (with Prof. Eric Mungatana, UP)
3. Ms. Hilda JS Kegode (2021-) : Impact evaluation of natural resource management programmes: A case study of the Regreening Africa land restoration programme in Rwanda (with Prof Selma Karuaihe, UP)
4. Ms. Ulonka Barnard (2021-) : Determining demand elasticities through choice experiments – The case of staple food products in South Africa (with Prof HC Schönfeldt and V Caputo (MSU))

PhD supervised and successfully defended (Asian Institute of Technology)

1. Mr. Somsak Vivithkeyoonvong (Oct. 2016). Social preferences and economic value of irrigated rice agriculture: A case study in Northeast Thailand. SERD-NRM, Bangkok, AIT.
2. Mrs. Idah Andriyani (May 2017). Inducing land use change in the Pusur Upper Catchment (Indonesia): Feasibility and Impact on Water Resources. SERD-ASE, Bangkok, AIT.

PhD co-supervised and successfully defended (France)

1. Damien Hauswirth (2013). Analyse par modélisation bioéconomique de l'attractivité de système de culture sans travail du sol pour des exploitations de montagne du Nord Vietnam. Montpellier SupAgro (ED SIBAGHE). Co-directeurs : Jacques Wery et Pablo Tittonell ; Co-encadrants : François Affholder, Damien Jourdain.
2. Juliette Lairez (2020). Evaluer la durabilité des systèmes de culture dans un contexte de transition rapide d'une agriculture familiale s'intégrant au marché: cas de la monoculture mécanisée du maïs en Asie du Sud-est. Montpellier SupAgro (ED GAIA). Directeur: F. Affholder. Co-encadrant: D. Jourdain.

MSc supervisions and co-supervisions

1. Carel Johannes Kriek (2022), Estimating the value of natural characteristics of a National Park: the case of Mokala National Park in South Africa (with Dr. Karuaihe)
2. Bernard Manganyi (2022), Preferences of subsistence livestock farmers for index-based pasture insurance: a choice experiment in Limpopo Province, South Africa, Agricultural Economics, University of Pretoria (with Dr. Karuaihe)

3. Namakando Namakando (2020): Applying Q Methodology to map stakeholders' perceptions of raw water quality and its management in Fetakgomo and Maruleng municipalities in Limpopo province, South Africa, Agricultural Economics, University of Pretoria (with Prof Mungatana)
4. Harad Chuma Lungu (2019). Determinants of climate smart agricultural technology adoption in the Northern Province of Zambia, Agricultural Economics, University of Pretoria (with Prof Karuaihe)
5. Ali, Raza (2016) Performance assessment of lower Chenab canal irrigation management transfer in Pakistan. Asian Institute of Technology. SET-WEM.
6. Assogba, Guy (2016). Sustainability assessment of informal irrigation through the water energy-food-nexus approach: The case of Karimama, Northern Benin. SET-WEM.
7. Baral, Pradeep (2016). Impact assessment of the Wetland Alliance Alternative Livelihood Programs on the Livelihoods of Beneficiary Households in the Xuan Thuy National Park, Vietnam. SERD - NRM.
8. Hafiz, Md Ali (2016) Water productivity and technical efficiency of a selected irrigation system in Punjab, Pakistan. SET-WEM.
9. Nazir, Md Sajid (2016). Performance evaluation of selected state-managed and farmer-managed irrigation systems in Punjab, Pakistan. SET-WEM.
10. Chandara, Phat (2015). Evaluation of visitors WTP for environmental and recreational services in Chambok National Park, Cambodia. SERD - Natural Resource Management.
11. Gunaratna, Thamali M. (2015). Evaluation of water allocation mechanisms in the Walawe river basin, Sri Lanka. SET-WEM.
12. Hussein, Saidi Ibrahim (2015). Evaluation of modernized irrigation schemes in Tanzania: relationship between institutions, efficiency and users satisfaction. SET-WEM.
13. Lynrah, Saman Roibha (2015). Farmers willingness to adopt new production practices in irrigated rice systems of North-eastern India: A Choice Experiment Approach. SET-WEM.
14. Rahman, Md. Anishur (2015). Temporal and spatial variability of ecosystem services of Sundarbarns Mangrove Forest, Bangladesh. SET-WEM.
15. Van Duy, Luu (2015). Household food security in protected area: the case of Tay Yen Tu nature reserve in Son Dong district, Bac Giang province, Viet Nam. SERD - Natural Resource Management.
16. Ashgar, Sobia (2014). Farming system analysis of irrigated farms in Faisalabad, Pakistan. SERD - NRM.
17. Kayiranga, Damascene (2014). Developing benchmarking based on irrigation performance indicators: application in Northeast Thailand. SET-WEM.
18. Nguyen Thi Thuy, Ha (2014). Linking rural livelihood and conservation in Hoang Lien national park, Lao Cai Province, Vietnam. SERD - NRM.
19. Sutthiprapha, Pratya (2014). Application of data envelopment analysis model to assess performance efficiencies of tank irrigation systems: a case study in the Chi river basin, Northeast Thailand. SET-WEM.
20. Ko, Nyein Thandar (2013). Water resource allocation trade-offs among hydropower, irrigation and environmental flows: the case of Kinda Dam in Myanmar. SET-WEM.
21. Srisopaporn, Saengabha (2013). Investigating the factors and patterns of Q-GAP adoption by rice farmers in Ayutthaya Province, Central Region of Thailand. SERD-NRM.
22. Swe, Thu Thu (2013). Asset management approach of a multipurpose water project: A case study of Kinda Dam, Myanmar. SET-WEM.
23. Tran Thi, Hoa (2012). Livelihood strategies and mangrove resources use in Xuan Thuy National Park, Nam Dinh Province, Vietnam. SERD - NRM.
24. Tuntipisitkul, P. (2012). Visitors perception of environmental impact induced by tourism and their Willingness to Pay to preserve environmental condition at Mu Ko Chumphon National Park. SERD - NRM.
25. Saringkarn, P. (2011, en co-direction avec Sylvain Perret). Alternative models to finance irrigation services and their impacts along the rice chain value: A case study in Central Thailand. SET-WEM.

Teaching

Year	Module	University
2022	Environmental Valuation and Policy (15 hours)	UP/ AEERD
	Research Methodology (4 hours)	UP/ AEERD
	Applied Econometrics (8 hours)	UP/ AEERD
2021	Environmental Valuation and Policy	UP/ AEERD
	Research Methodology	UP/ AEERD
	Applied Econometrics	UP/ AEERD
2020	Environmental Valuation and Policy	UP/ AEERD
	Research Methodology	UP/ AEERD
	Applied Econometrics (Development of videos + accompanying documents + online tutorial for learning logit and probit regressions using R : https://ecoo.shinyapps.io/LogitPracticals/)	UP/ AEERD
2019	Environmental Valuation and Policy	UP/ AEERD
	Applied Econometrics	UP/ AEERD
	Research Methodology	UP/ AEERD
	Coordination of a 5 days training module « *Theory and econometrics of individual and collective choice analysis: choice and controlled experiments* »	PhD / Post-Doc African Universities
2018	Environmental Valuation and Policy	UP/ AEERD
	Coordination of a 4 days training module « *Theory and econometrics of individual and collective choice analysis: choice and controlled experiments* »	PhD / Post-Doc African Universities
2017	Water Economics & Institutions	AIT
	Natural Resource Economics	AIT
	Research Design	AIT
2016	Water Economics & Institutions	AIT
	Natural Resource Economics	AIT
	Research Design	AIT
	Integrated Water Resource Management - Economics	AIT Extension
2015	Water Economics & Institutions	AIT
	Natural Resource Economics	AIT
	Research Design	AIT
	Feasibility Studies for Irrigation Projects : Cost-Benefit Analysis	AIT Extension
2014	Natural Resource Economics	AIT
	Water Economics & Institutions	AIT
	Research Design	AIT
	Water Economics – Value of Water	AIT Extension
	Water Economics – Policy Instruments	AIT Extension
2013	Water Economics	AIT
	Natural Resource Economics	AIT
	Integrated Natural Resources Management, Planning & Policies	AIT
	Research Design	AIT
	Watershed and Water Economics	AIT / Chulalongkorn U.
2012	Natural Resource Economics	AIT
	Water Economics	AIT
	Integrated Natural Resources Management, Planning & Policies	AIT
	Research Design	AIT
	Integrated Natural Resources Management, Planning & Policies – Payment for Ecosystem Services	AIT Extension

2011	Integrated Natural Resources Management, Planning & Policies	AIT
	Natural Resource Economics	AIT
	Research Designg	AIT
	Project Analysis ; Cost-Benefit Analysis	AIT Extension
2010	Ecosystem Services Valuation (Formation continue)	AIT Extension – UNEP