



6th International Symposium for Farming Systems Design

Prof. Daniel Rodríguez



Prof Rodriguez (University of Queensland) has National and International leadership in (i) the development of modelling tools and integrative analyses in agriculture, that he applies to develop (ii) crop designs that are more profitable and less risky and (iii) farm designs that are better able to manage trade-offs between the multiple functions of agriculture. Evidence of his impact include: the development of whole-farm simulation capacity within the APSIM model, which lead to UQ's participation in a multimillionaire project, resulting in the increased food security of thousands smallholder farmers in Africa; the production of evidence on how improved crop designs could deliver large profit gains in Queensland's 600,000 ha sorghum industry; and the identification of farm business designs that are more profitable, sustainable and resilient in face of increasing climate variability and change. He achieved this in partnerships with farmers, National and International donors and the private sector. He annually presents at industry forums, and he is active with government groups in the translation of his research into industry practice and in informing policy. He was Editor-in-Chief of Agricultural Systems 2013-2018; he is member of the Editorial Board of Agricultural Systems and Associate Editor of Field Crops Research.



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