


Adam H. Sparks

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- Wide ranging career demonstrating consistent success both in a non-profit international NGO and academia.
- Experience in conceptualising projects through successful grant applications, project management and attaining desired results.
- Extensive background of experiences in working with diverse partners.
- Broad experience in effective communication ranging from peer-reviewed journal articles to extension presentations and popular press.

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GIS
modelling
R programming

2016–Present	Toowoomba, Queensland, AUS	Associate Professor
2012–2015	Los Baños, Laguna, PHL	Scientist I
2011–2012	Los Baños, Laguna, PHL	Post-Doctoral Fellow
2009–2010	Manhattan, Kansas, USA	Post-Doctoral Research Associate
2002–2004	Lincoln, Nebraska, USA	Research Technologist
2000–2003	Clay Center, Nebraska, USA	Research Technician
1999–2000	West Lafayette, Indiana, USA	Assistant Director
1997–1999	West Lafayette, Indiana, USA	Research Technician
2009	Plant Pathology Epidemiology and Ecology of Plant Pathogens Disease risk mapping with metamodels for coarse resolution predictors: global potato late blight risk now and under future climate conditions	Kansas State University, USA
2007	Geography Geographic Information Science	Kansas State University, USA
2000	Agronomy Soil and Crop Management	Purdue University, USA

- Crop health and its global impacts on the components of food security**
 S. Savary, S. Bregaglio, L. Willocquet, D. Gustafson, D. Mason D'Croz, A. Sparks, N. Castilla, A. Djurle, C. Allinne, Mamta Sharma, V. Rossi, L. Amorim, A. Bergamin, J. Yuen, P. Esker, Neil McRoberts, J. Avelino, E. Duveiller, J. Koo, K. Garrett
 Food Security 9.2 (Mar. 2017) pp. 311–327. Springer Nature. DOI: [10.1007/s12571-017-0659-1](https://doi.org/10.1007/s12571-017-0659-1)
- getCRUCLdata: Use and Explore CRU CL v. 2.0 Climatology Elements in R**
 A. H. Sparks
 The Journal of Open Source Software 2.12 (Apr. 2017). The Open Journal. DOI: [10.21105/joss.00230](https://doi.org/10.21105/joss.00230)
- GSODR: Global Summary Daily Weather Data in R**
 A. H. Sparks, T. Hengl, A. Nelson
 The Journal of Open Source Software 2.10 (Feb. 2017). The Open Journal. DOI: [10.21105/joss.00177](https://doi.org/10.21105/joss.00177)
- Spatial modelling of rice yield losses in Tanzania due to bacterial leaf blight and leaf blast in a changing climate**
 C. Duku, A. H. Sparks, S. J. Zwart
 Climatic Change 135.3-4 (Jan. 2016) pp. 569–583. Springer Nature. DOI: [10.1007/s10584-015-1580-2](https://doi.org/10.1007/s10584-015-1580-2)
- Decision tools for bacterial blight resistance gene deployment in rice-based agricultural ecosystems**
 G. S. Dossa, A. Sparks, C. Vera Cruz, R. Oliva
 Frontiers in Plant Science 6.305 (May 2015). Frontiers Media SA. DOI: [10.3389/fpls.2015.00305](https://doi.org/10.3389/fpls.2015.00305)
- Farmers' Preference for Rice Traits: Insights from Farm Surveys in Central Luzon, Philippines, 1966-2012**
 A. G. Laborte, N. C. Paguirigan, P. F. Moya, A. Nelson, A. H. Sparks, G. B. Gregorio
 PLOS ONE 10.8 (Aug. 2015) e0136562. Public Library of Science (PLoS). DOI: [10.1371/journal.pone.0136562](https://doi.org/10.1371/journal.pone.0136562)
- Philippine Rice Information System (PRISM): innovating the rice field data capture and monitoring using smartphone**
 J. M. Maloon, E. J. P. Quilang, M. R. O. Mabalay, J. L. Dios, A. C. Arocena Jr. J. R. F. Mirandilla, P. A. Mabalot, M. I. Barroga, R. T. Dollontas, G. C. Peralta, G. Mesa, B. T. Salazar, G. D. Balleras, N. B. Detoito, G. Arida, D. K. M. Donayre, E. C. Martin, G. F. Estoy, A. Nelson, A. Sparks, J. V. Raviz, A. G. Laborte, T. O. Setiyono, A. A. Maunahan, A. B. Rala, J. E. Villa, N. P. Castilla, Z. M. Bhatti, D. D. Maco, R. S. Bayot, M. Barbierr
 Philippine Journal of Crop Science (2015)
- Climate change may have limited effect on global risk of potato late blight**
 A. H. Sparks, G. A. Forbes, R. J. Hijmans, K. A. Garrett
 Global Change Biology 20.12 (May 2014) pp. 3621–3631. Wiley-Blackwell. DOI: [10.1111/gcb.12587](https://doi.org/10.1111/gcb.12587)
- A review on crop losses, epidemiology and disease management of rice brown spot to identify research priorities and knowledge gaps**
 M. K. Barnwal, A. Kotasthane, N. Magculia, P. K. Mukherjee, S. Savary, A. K. Sharma, H. B. Singh, U. S. Singh, A. H. Sparks, M. Variar, N. Zaidi
 European Journal of Plant Pathology 136.3 (Mar. 2013) pp. 443–457. Springer Nature. DOI: [10.1007/s10658-013-0195-6](https://doi.org/10.1007/s10658-013-0195-6)
- Taking transgenic rice drought screening to the field**
 A. C. M. Gaudin, A. H. A. H. Sparks, I. H. Slamet-Loedin
 Journal of Experimental Botany 64.1 (Dec. 2012) pp. 109–117. Oxford University Press (OUP). DOI: [10.1093/jxb/ers313](https://doi.org/10.1093/jxb/ers313)
- An economic assessment of the impact of mango pulp weevil on the agricultural sector of Palawan, Philippines**
 J. D. Mckinley, A. H. Sparks, V. O. Pede, B. Duff
 The Philippine Agricultural Scientist 95.3 (2012) pp. 286–292