

CURRICULUM VITAE

Name: Simon J LANGAN
Nationality: British **e-mail:** s.langan@cgiar.org
Current Address: c/o ILRI, PO Box 5689, Addis Ababa, Ethiopia.
Current Position: Principal Researcher and Head of Office (International Water Management Institute), IWMI, for East Africa and Nile Basin, based in Addis Ababa, Ethiopia.

Education

- PhD Land Use and Water Quality (1985) University of St. Andrews, UK.
- BSc Geology and Geography (1982) University of Manchester, UK.

Professional Experience

- Principal Researcher and Head of IWMI East Africa/Nile Basin Office, 2013-present
- Senior Researcher and Head of Office, IWMI, East Africa, 2011-2013
- Research co-ordinator and work package manager, 2006-2011, MLURI/ Hutton, UK
- Principal Scientific Officer, 2000-2005, Macaulay Land Use Research Institute
- Senior/ Higher Scientific Officer, 1991-2000 Macaulay Land Use Research Institute
- Self employed environment consultant, 1989-1991 Cumbria, UK
- Research Fellow, 1985-1989, Imperial College of Science and Technology, London

Summary of Key Experiences

International scientific leadership: Head of Office for East Africa and Nile Basin Office in which I am responsible for approximately 27 staff, of which 16 are international researchers. These researchers combine biophysical, economic and social discipline skills to give an integrated approach to improving agricultural water management set within the context of ecosystem services and sustainably at the landscape/watershed scale. I am currently the Principal Investigator on 6 internationally grants and awards from organisations such as the EU, DFATD, NERC, ESRC, DfID, USAID. Within the CGIAR system I am the focal lead and co-ordinator for global research for Development programme, Water Land and Ecosystems in the Nile Basin. I lead and instigate collaboration with a number of international organisations, for example Cornell, Texas A&M, Newcastle universities, UNESCO-IHE, UNEP and USAID. Responsible for underpinning resources to lead and support the work >5m USD per annum.

Papers: Published over 100 scientific papers, reports and edited two books on: Water Smart agriculture in East Africa and Impacts of Pollutants on Natural and semi-natural habitats. Detail of publications appended. Over 2000 publication citations, H index 27, i-10 index 61, Rscore >36. Also a regular reviewer of scientific papers and grant proposals.

Capacity building: Supervised a number of Masters student's as well as co-supervised 5 PhD students. Contributor to University Sector Water Partnership and a number of other Ethiopian and East Africa national Initiatives to strengthen both individual and organizational capacity related to natural resource management (see selected assignments and projects below). External examiner to University of Dundee Water Law, Policy and Science (under the auspices of UNESCO).

Stakeholder engagement: As a research for development organisation and particularly as office head there is a wide range of stakeholder engagement at national, regionally within Africa and between global internationally active donors. One specific example for this is of acting as secretariat for the Ethiopian Government Task Force on Agricultural Water Management.

Communication activities: As office head acts as a focal point, ambassador and overall lead for much of the IWMI work and interaction with donors, national and international stakeholders in East Africa. This also involves making press releases, television and radio interviews.

Invited lectures: Most recently have given invited presentations and lectures to the East African Community on research for development challenges for small scale irrigation (2014), UNESCO-IHE in Khartoum (2013), Nile Basin Initiative, Addis Ababa 2014, USAID Feed the Future Small Scale Irrigation (Washington), Harvard University (2014).

Selected Recent Projects

1. LIVES (Livestock and Irrigated Value Chains for Ethiopian Smallholders) research for development programme, CIDA/DFATD (USD 5m) PI: (2012-2017), <http://lives-ethiopia.org/about/>
 2. ILSSI (Innovation Laboratory on Small Scale Irrigation) USAID (USD3.75m) Co-PI: (2013-2018) working in Ethiopia, Tanzania and Ghana with Texas A&M University and national partners, <http://ilssi.tamu.edu/about/>
 3. ALTER (Alternative Carbon Investments in Ecosystems for Poverty Alleviation) NERC ESPA, (GBP 254000), Co-PI (2013–2016) working in Ethiopia and Uganda, <http://www.espa-alter.org/project/overview>
 4. University Sector Water Partnership, NUfIC Co-PI: on Capacity building programme (NICHE) with UNESCO-IHE and Ethiopian Universities, funded (2014-2017), <http://www.universitywatersectorpartnership.org/>
 5. Africa Rising a research component of USAID Feed the Future Programme. Co-PI (USD 1m) (2012-2016), <http://africa-rising.net/about/>
 6. Adaptive Management of Groundwater in Africa (AMGRAF, part of UPGro catalyst grant scheme) DfID- NERC Co-PI: (GBP 37000), 2014-2015, <https://research.ncl.ac.uk/amgraf/>
 7. Water, Land and Ecosystem programme, Nile and East Africa co-ordinator/lead (USD 4.5m) <https://wle.cgiar.org/>
- The Nile Basin Development Challenge (USD 6m) PI: work package and co-River basin leader. The NBDC (<http://nilebdc.org/>) was a component part of the Challenge Programme on Water and Food (2011 – 2013) and predecessor to the WLE programme
8. Afromaison Africa at a meso-scale: Adaptive and integrated tools and strategies for natural resources management co-investigator European FP7 project (2011–2014), <http://www.afromaison.net/>

Selected Recent Publications

2015:

Water-smart agriculture in East Africa. Nicol, A., Victor, M., **Langan, S.**, Gonslaves, J. 2015: International Water management Institute (IWMI). CGIAR Research Program on Water, Land and Ecosystems (WLE). ISBN: 978-92-9090-813-5. 2015.01.02

Assessment of surface water irrigation potential in the Ethiopian highlands: The Lake Tana Basin. 2015. Worquil, A., Collick, A. S., Rossiter, D. G., **Langan, S.**, Steenhuis, T.S. 2015. Catena 03/2015; 129:76-85.

Comparing TRMM 3B42, CFSR and ground-based rainfall estimates as input for hydrological models, in data scarce region: the Upper Blue Nile Basin, Ethiopia. 2015. Worqlul, A.W., Collick, A.S, Tilahun, S.A., **Langan, S.**, Rientjes, T.H.M., Steenhuis, T.S. 2015: Hydrology and Earth System Sciences 02/2015; 12(2)

Improving efficacy of landscape interventions in the (sub) humid Ethiopian highlands by improved understanding of runoff processes. 2015. Tebebu, T.Y., Steenhuis, T.S., Dagnew, D.C., Guzman, C.D., Bayabil, H.K., Zegeye, A.D., Collick, A.S., **Langan S.**, McAllister C., Langendoen, E.J., Yitaferu, B., and Tilahun, S.A. 2015 Frontiers in Earth Science 3:49.

Understanding determinants of farmers' investments in sustainable land management practices in Ethiopia: review and synthesis, 2015 Adimassu, Z., **Langan, S.J** and Johnston, R. 2015. Environment Development and Sustainability, 17 (3).

Interdependence in rainwater management technologies: an analysis of rainwater management adoption in the Blue Nile Basin. 2015, Gebregziabher, G., Rebelo, L-M., **Langan, S.J.**, 2015. Environment Development and Sustainability 03/2015;

Restoring aboveground carbon and biodiversity: a case study from the Nile basin, Ethiopia. Mekuria, W., **Langan, S.J.**, Johnston, R. Belay, B., Amare, D., Gashaw, T., Desta, D., Noble, A. Wale, A., 2015. Forest Science and Technology 03/2015;

2014

Economics Analysis of Factors Influencing Adoption of Motor Pumps in Ethiopia. Gebregziabher, G., Giordano, M.A., **Langan, S.**, Namara, R.E.2014: Journal of Development and Agricultural Economics 01/2014; 6(12).

Organic and Clay-Based Soil Amendments Increase Maize Yield, Total Nutrient uptake, and Soil Properties in Lao PDR. Mekuria, Noble, Sengtaheuanghoung, Hoanh, Bossio, Sipaseuth, McCartney, **Langan, S.** 2014; Agroecology and Sustainable Food Systems 09/2014; 38(8).

Establishing and strengthening irrigation water users associations (IWUAs) in Ethiopia: a manual for trainers Lempérière, P.; Hagos, F.; Lefore, N.; Hailelassie, A.; **Langan, S.** 2014. Colombo, Sri Lanka: International Water Management Institute (IWMI). 76p.

Review paper on 'Garden Kits' in Africa: lessons learned and the potential of improved water management. Merrey, D. J.; **Langan, S.** 2014. Colombo, Sri Lanka: International Water Management Institute (IWMI). 60p. (IWMI Working Paper 162).

Effects of riparian buffer strips on ground beetles within an agricultural landscape. Stockan, J. A., Baird, J., **Langan, S. J.**, Young, M. R., Iason, G. R. 2014. Insect Conservation and Diversity, 7: 172–184.

Advancing the water-energy-food nexus: social networks and institutional interplay in the Blue Nile. Stein, C., Barron, J., Nigussie, L., Gedif, B., Amsalu, T., **Langan, S.J.**, 2014. Colombo, Sri Lanka: International Water Management Institute (IWMI). CGIAR Research Program on Water, Land and Ecosystems (WLE). 24p.