

Measured irrigation was invented by Dr Bernie Omodei in late 2010.

Bernie has a PhD in Numerical Analysis (Computer Centre, ANU, 1976).

The first measured irrigation installation worldwide was at the Fern Ave Community Garden in the City of Unley, Adelaide, in August 2011. The second installation was at the Prospect Community Garden in the City of Prospect, also in Adelaide, in November 2011.

In 2012, Dr Omodei supervised the Masters project of Jeet Chand from Nepal. Jeet was a student at the University of South Australia doing a Masters of Water Resource Management. The title of his project is "Assessment and Evaluation of Measured Irrigation System".

In June 2012, Bernie gave a presentation on Measured Irrigation at the ICID & Irrigation Australia Conference in Adelaide.

In December 2012, Bernie presented a research paper at the Fourth International Conference on Sustainable Irrigation and Drainage in Adelaide. The title of the paper is "Measured irrigation: a significant development in water efficient irrigation".

In December 2014, a seminal paper on Measured Irrigation was published in *Irrigation Science*, an international peer review journal. The title of the paper is "Accuracy and uniformity of a gravity-feed method of irrigation".

Bernie was invited to give a presentation on Measured Irrigation at the International Symposium on Rainwater Harvesting in Addis Ababa, Ethiopia, June 2015. Many of contacts made at this symposium were the foundation for ongoing engagement with development organisations and key individuals in Africa.

Bernie was a Keynote Speaker at the 4th International Conference on Agriculture and Horticulture in Beijing, 13th to 15th July 2015. The title of his address was "Measured Irrigation - Improving the water-efficiency of irrigation by changing the irrigation paradigm".

The April 2016 issue of ReNew magazine has a feature article on measured irrigation. ReNew is the quarterly magazine of the Alternative Technology Association. The title of the article is "Drop by drop - measuring it out".

In October 2016, Bernie was invited to Kenya by Malesu Maimbo and Alex Oduor from ICRAF (World Agroforestry Centre) to participate in a workshop in Machakos County to train farmers and extension workers. The workshop was organised by the Billion Dollar Business Alliance for Rainwater Harvesting, whereby thousands of farm ponds will be installed in the drylands of Africa. Bernie demonstrated how to upgrade gravity feed drip irrigation to measured irrigation using an evaporator and a steel pipe.

A chapter on measured irrigation was published in December 2016 in the book *Potential Use of Solar Energy and Emerging Technologies in Micro Irrigation*, Apple Academic Press, Editors: Megh R. Goyal, PhD, PE, Manoj K. Ghosal, PhD. The title of the chapter is "Gravity-Feed Drip Irrigation for Agricultural Crops" by Bernard Omodei and Richard Koech.

On 18 April 2017, Bernie had a successful meeting with 5 staff from World Vision Australia and they are very enthusiastic about Measured Irrigation. DryDev Kenya has established two demonstration sites in Machakos County for the DIY Solar Drip Irrigation Kit. The initial trials were very successful and as a result Rob Kelly from World Vision has endorsed the DIY Solar Drip Irrigation Kit. An additional 4 kits were sent in June 2018.

In January 2018, three DIY Solar Drip Irrigation Kits were sent to IDE Mozambique.

In June 2018 Bernie gave a presentation at the Irrigation Australia Conference at the International Convention Centre in Sydney. The title of the talk was "Recent developments in measured irrigation, a new irrigation scheduling paradigm".