



**The DFG Research Training Group on Urban Water Interfaces (UWI)  
invites to a guest lecture by**

**Dr. Margaret Shanafield (Flinders University, Adelaide,  
South Australia)**

**Thursday, 16<sup>th</sup> June 2016, IGB Berlin, Müggelseedamm 310, Lecture hall,  
2 - 3 pm**

**Lecture title:**

***Chasing the flow: Adventures in capturing streambed flux in ephemeral rivers***

*Abstract*

Typical of arid regions, a majority of Australian rivers are intermittent or ephemeral. This provides unique challenges for quantifying streambed fluxes, since many common techniques are not suitable. At the same time, streambed recharge often provides the primary mechanism for aquifer recharge in such arid basins, highlighting the need for such measurements. Recent field experiments in central Australia highlight contrasting results using various methods, as well as the role of differentiating transmission losses, infiltration, and aquifer recharge in an intermittent river.

***About the Speaker***

Margaret Shanafield is a research fellow in the School of the Environment at Flinders University, Adelaide, South Australia. Her research interests encompass the areas of surface water hydrology, groundwater hydrology, aquatic ecology and water resources development. Her research focuses on groundwater interactions with open channels, using heat and other tracers, and quantification of seepage losses from large irrigation canals.

Further information about Margaret Shanafield can be found at:

<http://www.flinders.edu.au/people/margaret.shanafield>

How to find the IGB:

[http://www.igb-berlin.de/how\\_to\\_get\\_to\\_berlin.html](http://www.igb-berlin.de/how_to_get_to_berlin.html)