

Dept. of Geosciences presents:

Angela Bush

Senior Hydrogeologist

“My past (glacial) and present (tropical) life as a hydrogeologist”

Friday 15th September | 4 pm | Building 34, Room 127

Angela Bush is a highly qualified Hydrogeologist with nine years' experience across several sectors including consulting, research, and education. She specialises in integrated groundwater assessments, contaminant investigations, and geochemical analyses, with detailed knowledge of groundwater systems in various settings, including metalliferous and coal mines, unconventional gas, and agriculture. Angela has recently joined the Australasian Groundwater and Environmental Consultants Pty Ltd (AGE) and heads up the North Queensland office in Townsville.

Angela has followed a winding career path with water resources being the common thread. After completing her undergraduate studies in geology at the University of Melbourne in 2003, she continued her studies, plunging into a PhD on one of the deepest potable groundwater resources in Australia. It was through the interpretation of isotopic dating of this groundwater that she developed new ideas surrounding the long-term climatic change in southern Australia and its impact on salinity, thus changing the way the salinisation model of the Murray Darling Basin was understood.

After her time at the University of Melbourne, Angela took up a research role at a Khon Kaen University in Thailand. She worked collaboratively with teams from CSIRO and the Stockholm Environment Institute to implement two studies addressing different approaches to water resources and their role in development.

Since returning to Australia five years ago, she has worked in the private sector as a consultant, and has studied a number of contaminated sites. Her current ambition is to gain experience in managed aquifer recharge (MAR) and to promote its use in mitigating imminent water shortages both locally and regionally. Angela will present three short case studies from her professional experience:

- Otway Basin: deep groundwater evolution and glacial cycles
- Mekong Region: developing integrated models for sustainable change
- Groundwater contamination: the dangers of slacking off when you should be monitoring

Contact information about the talk:
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