



CRC TiME Forum Speaker Biography –Dr Elise Bekele

Dr Elise Bekele is a quantitative hydrogeologist at CSIRO Land and Water with more than 20 years of experience. In her early career, she developed numerical models of regional fluid flow (e.g., petroleum migration) and sedimentary basin evolution, and modelled the effects of permeability heterogeneity in these systems. In more recent years, she has applied her quantitative skills to a variety of water quality management/ groundwater contamination and remediation projects – in particular, managed aquifer recharge and LNAPL natural source zone depletion. Over the past 12 months, she contributed to two CRC TiME foundational projects in the ‘Data Integration, Forecasting and Scale’ Program. These two projects introduced her to technologies and approaches to aid transitioning mine sites to closure (and beyond), and the inventorying of abandoned mine sites to support the identification of risks and opportunities for site reuse/re-purposing in Australia.