

# Consultant Profile



**DR SARAH HOBGEN**

**PhD, BEnvSc(Hons)**

**Senior Environmental  
Scientist/Geomorphologist**

## Expertise and Experience

Sarah specialises in remote sensing, GIS and fluvial geomorphology. Sarah is also a part-time Research Fellow at Charles Darwin University, specialising in capacity building in remote sensing and GIS, and community engagement in Timor and Sulawesi. She is leading development and implementation of an intensive short course on Integrated Fire Management for Indonesian participants. Sarah has developed a first-class holistic knowledge of catchment management. Her PhD was on the study of sediment sources in large catchments such as the Kambaniru River catchment in Sumba. She has experience in the creation of property vegetation plans using open source GIS software for the Murrumbidgee Catchment Management Authority and Eastern Riverina Landcare Network. She has experience in geomorphic mapping of manganese mining areas in West Timor, and mixed methods research combining remote sensing and GIS with social research methods to quantify environmental problems and understand the drivers, challenges and potential solutions in the fields of mining, irrigation and household water provision. She has also investigated the causes of rice field flooding in an ephemeral, high energy stream in Sumba Indonesia combining field geomorphic studies and hydrological modelling. Sarah lives in Sumba Indonesia and electronically commutes for work with EnviroConsult Australia Pty Ltd in Darwin.