

Soil Hydrologist

Purpose

Hydrology looks at how water moves across and through the landscape. My research considers how rainfall on cropping land is stored in the soil, how it is utilised by the crops, and how it is lost from the root zone. This helps us to quantify the economic productivity of agriculture as well as sustainability of particular cropping industries.



A typical day in your role

Some days I am speaking with growers and collecting data. Other days I am crunching numbers, doing a literature search or writing reports and presentations. I also attend scientific and grower forums to let stakeholders know how our findings can guide grower practices.

Personal attributes

perseverance | commitment |
accountability | responsibility
| transparency | resilience |
attention to detail

Quote

“My work has taken me to places in Australia and around the world that I would never have imagined I would visit.”

Education and training

Bachelor of Agriculture from IPB University, Indonesia | Masters of Land Resource Studies from University of Queensland | PhD in pasture hydrology and MBA from University of New England | Cert IV Training and Assessment, Tocal College.

For more schools resources go to: <https://www.dpi.nsw.gov.au/education-and-training/school-resources>

Dr Malem McLeod

Soils and Water Research and Development

For more detail
about Malem's
role watch her
video

