



Daisy Englert Duursma

Personal details

Date of birth **16 September 1979.**
Nationality **United States of America.**
Languages **English (native), Dutch (intermediate).**

Professional experience

- 2009 – **Postdoctoral Fellow, Data Scientist, Data Manager**, *Macquarie University*, Sydney, Australia.
- Present
- Analyse large amounts of data and present results in verbal, written and visual forms.
 - Effectively determine methods to combine data from many sources and in different formats.
 - Create and implement interactive tools to effectively communicate large amounts of data in ways that are useable to the stakeholders.
 - Liaise with key stakeholders to optimize project's outputs to and ensure these are most beneficial to the client.
 - Develop, organise and teach spatial data analysis and visualization (R and ArcGIS).
 - Utilize high performance computing (HPC) to transform datasets to uniform formatting to increase data access, usability and discoverability.
 - Establish, develop and promote data management systems.
- 2008 **Spatial analyst**, *Texas Technological University*, U.S.A. (based in Richmond NSW).
- Predictive modelling of habitat quality for fish populations.
- 2005–2008 **Spatial analyst**, *Finnish Forest Research Institute (METLA)*, Helsinki, Finland.
- Integration of forest growth data in sawmill ...using R and ArcGIS to visualize and summarize habitat quality.
 - Wrote project proposals and reports for funding agencies and governmental agencies.
 - Participant in EU wide project to harmonize forest carbon storate reporting methods.

Education

- 2014–
Submitted: **PhD**, *Macquarie University*, Australia, Machine learning to assess spatial and temporal variation in avian breeding phenology and traits.
Sept 2017
- 2005–2007 **MSc**, *University of Helsinki*, Finland, Forest Sciences and Business.
- 2001–2004 **BSc**, *University of Idaho*, U.S.A, Ecology and Conservation Biology.

Computer skills

Programming R (Spatial analyses, large datasets, maps, etc.)
- excellent

Programming Python, Unix
- good

ArcGIS ArcMap, ArcInfo

MS Office Word, Excel, Powerpoint