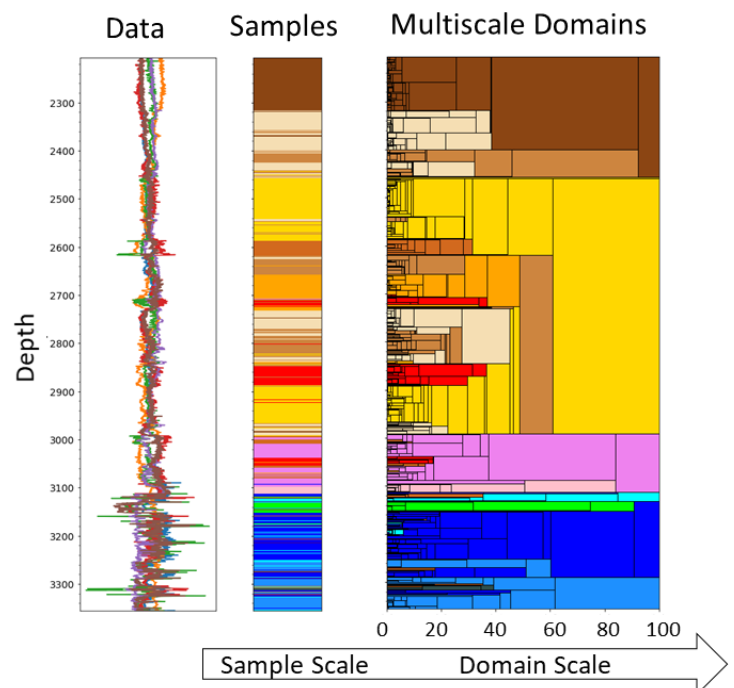# Training workshop: Automating the Geological Interpretation of Drill Hole Data

Manual interpretation of numerical drill hole data (such as multivariate geochemical analyses or wireline logging data) is time-consuming and subjective. We combine the power of machine learning with multiscale spatial information (using wavelet tessellation method) to provide the geologist with a flexible and intuitive system for automating drill hole logging.

Workflow and solutions are delivered via our interactive web app, **Data Mosaic**, which allows the geologist to upload their own data and control the workflow.

This workshop will provide training in:

- Detecting geological boundaries in drill hole data

- Creating multiscale geological domains using wavelet tessellation

- A brief introduction to compositional data analysis

- A brief introduction to machine learning for rock classification

- Hierarchical classification for multiscale analysis

Date and Time:

Perth, Australia:
Wednesday 9 – Thursday 10 September, 7:00 – 10:00 am
Brisbane, Australia:
Wednesday 9 – Thursday 10 September, 9:00 am – 12:00 pm
New York or Santiago:
Tuesday 8 - Wednesday 9 September, 7:00 – 10:00 pm
Vancouver or Los Angeles:
Tuesday 8 - Wednesday 9 September, 4:00 – 7:00 pm

Presentation:
Presentation will be via WebEx.
Tutorials will use the Data Mosaic web app.

Presenters:

- Dr June Hill

- Dr Margaux Le Vaillant

- Dr Jessica Stromberg

Contact: DataMosaic@csiro.au

Registration and payment: will be available through **eventbrite:**