

# Teacher Earth Science Education Programme

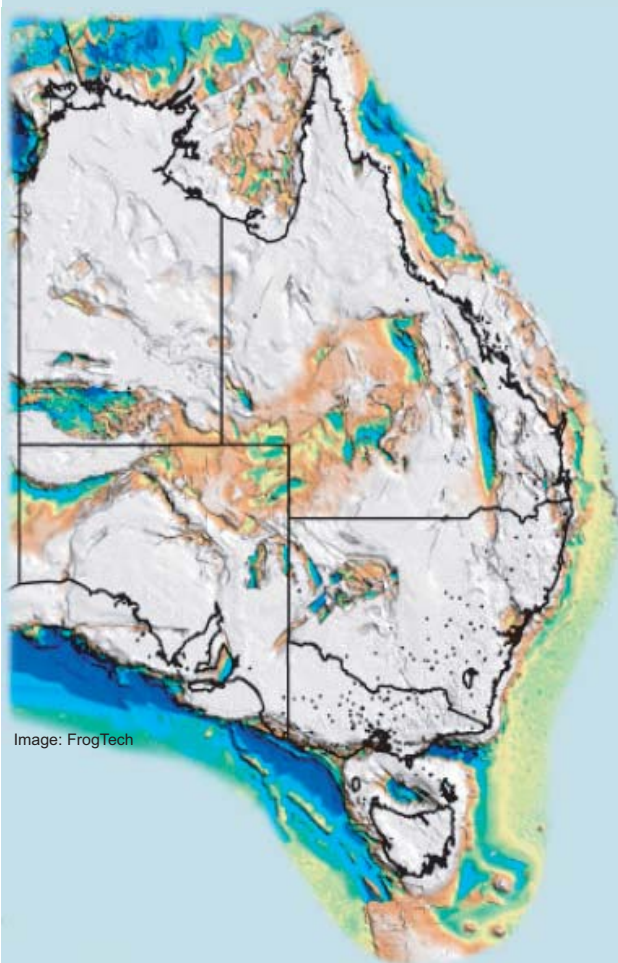


Image: FrogTech

- spark student interest in Earth and Environmental Science (EES) across Australia
- motivate and educate keen teachers in EES through workshops and field trips
- improve and develop EES teaching resource material
- explore the links with physical and life sciences; chemistry, physics, biology
- encourage future resource industry trade workers, scientists and engineers

## Stage 1

- develop EES curricula as core year 7/8-10 subjects across Australia, with a later implementation in WA

## Stage 2

- EES as future curricula for years 11-12 in all states

### The Issue:

- critical national shortage of young people in trades or professions in Energy/Minerals/Environmental Sciences Industries
- few science teachers are equipped for teaching Earth & Environmental Sciences at secondary school level

### The Mission:

- to raise the profile of Earth & Environmental Science in secondary schools in eastern states & territories to a level matching the strategic needs across Australia
- to increase awareness in the diverse range of career opportunities, both trade & professional, that Earth & Environmental Sciences provide

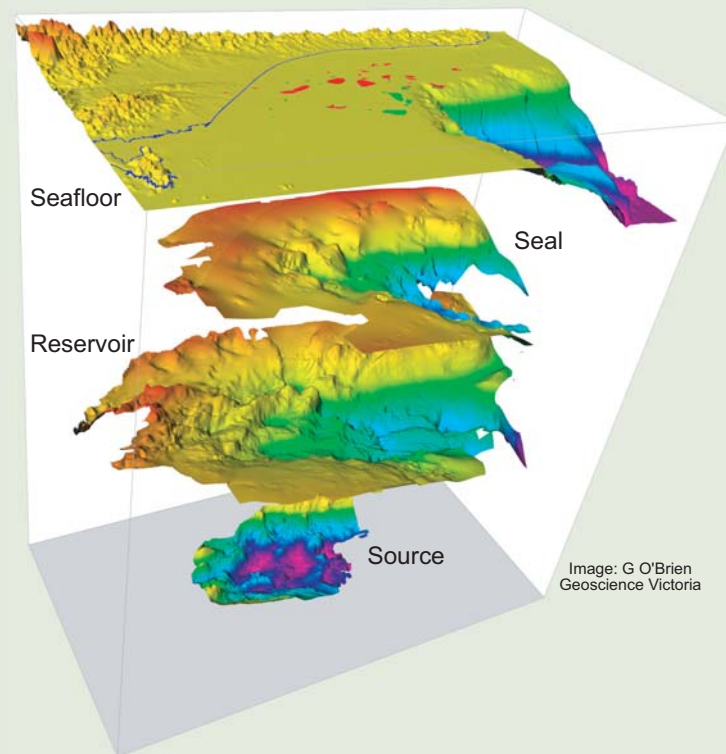


Image: G O'Brien Geoscience Victoria



Image: J McPherson

## The Challenging Earth

### Professional Development Workshop Series (2008-2009)

- **Round And Round With Rocks** (Dynamic activities to bring the rock cycle to life)
- **Powerful Stuff** (Nuclear power and the uranium debate)
- **Wet Rocks** (The ins and outs of groundwater)
- **Greening Coal** (Carbon capture and storage and managing coal for a sustainable future)
- **Our Place In Space** (Geosphere, hydrosphere, biosphere and atmosphere)
- **Hot Rocks** (Geothermal and other alternative energy sources)
- **Riding The Climate Roller Coaster** (Investigating the geological evidence of climate change)
- **Fossil Sunlight** (Energy from ancient life - oil/gas and coal)

If you are a teacher keen to participate in EES PD workshops and/or develop EES teaching resources, contact the co-ordinator in your state:

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