



# Reviving an old and valuable collection of microscope slides of physical samples through the use of Citizen Science

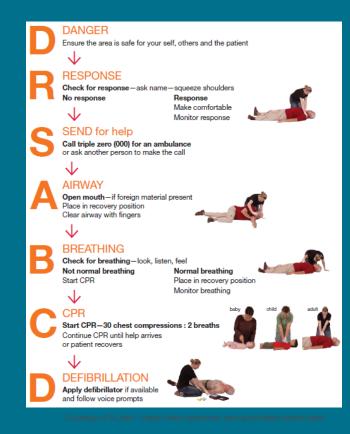
Presenters: John Pring (Geoscience Australia)

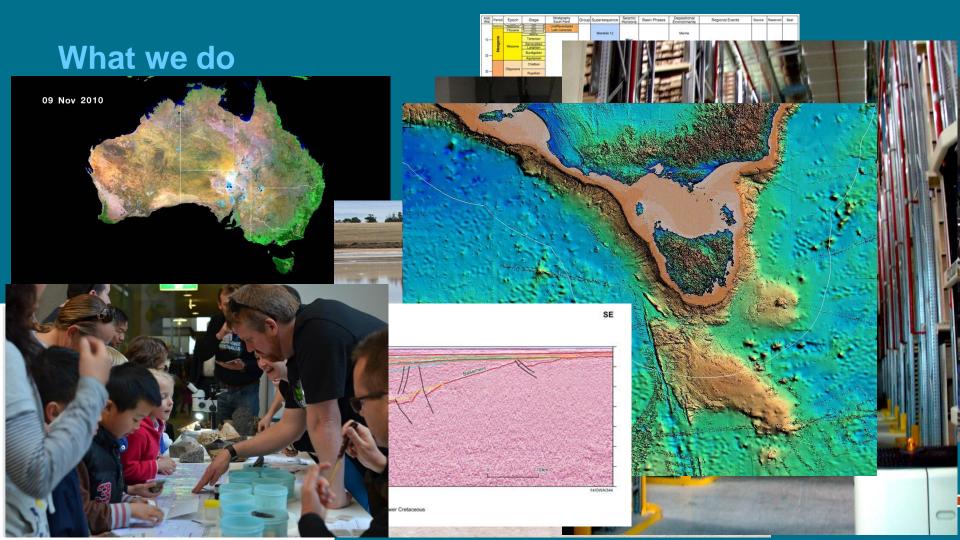
Lesley Wyborn (Australian National University)

Neal Evans (Geoscience Australia)

## Agenda

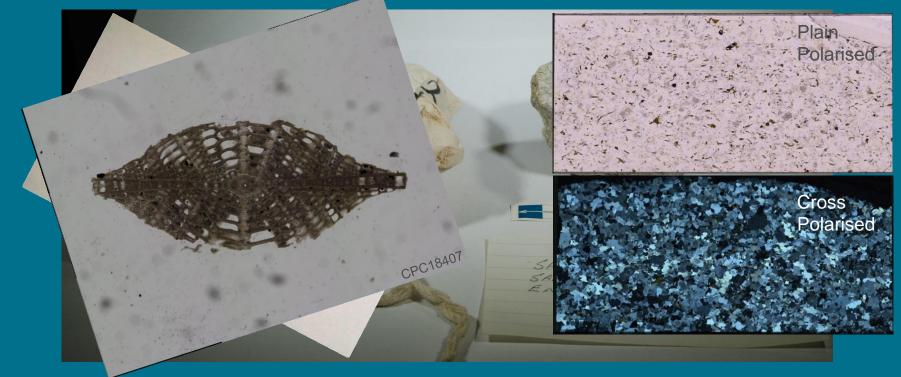
- What we do
- What is a thin section microscope slide
- The issues surrounding the rescue
- The solution
- The results
- What drives a Volunteer
- Where to



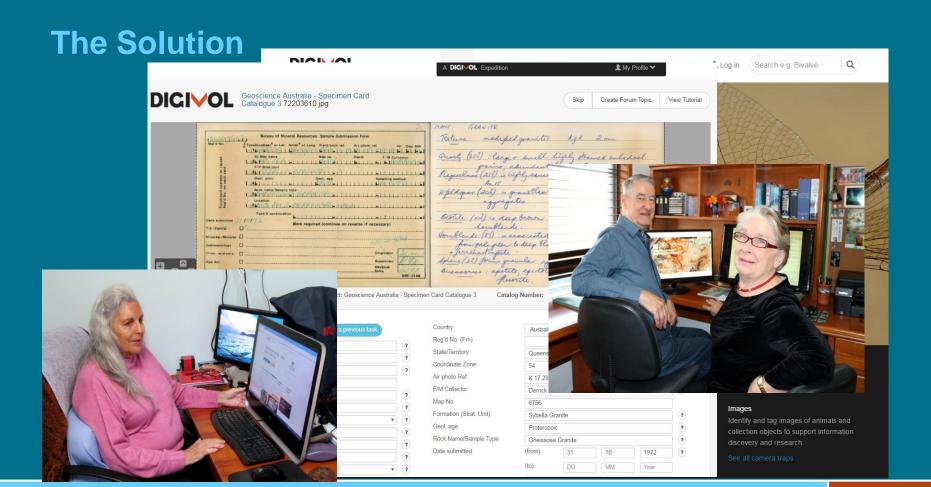


# **Getting Started**

What is a Thin Section Microscope Slide



#### The issues GRANITE Bureau of Mineral Resources, Sample Submission Form Texture: modefied granitic A.g.d. 2 mm 72203619 ETypeZoneEast<sup>S</sup> or Lat. North<sup>S</sup> or Long. Field book ref. Air photo ref. 1:115/4133/319:1 12/47/919:1 16/4/21/1 17/01/4:1/7: 219:18 18 10:10:10:1 TS 9069 R10157 T.S. 9069 CARRARA RANGE FM. H.S. Porphyritic intermediate trachyte The rock is a deviltified thyolike. The madric is composed of reddened crystals (presumably feldspar) that have crystallized during devitification and are enclosed in quanty. Larger aggregates of intergrown quarty and helds har (most likely poxassic feldspar) occur ocarpered through the rock and have a ving-like nature. dome small aggregates of mica are present. Clast-like pheno anasts of alfered feldspar occur. Quanty fills several small fractures. The tock is similar to the Gawler Range Porphyry of douth australia. Desc. W.R. Mc Carthy 29/3/62 JUS 1961

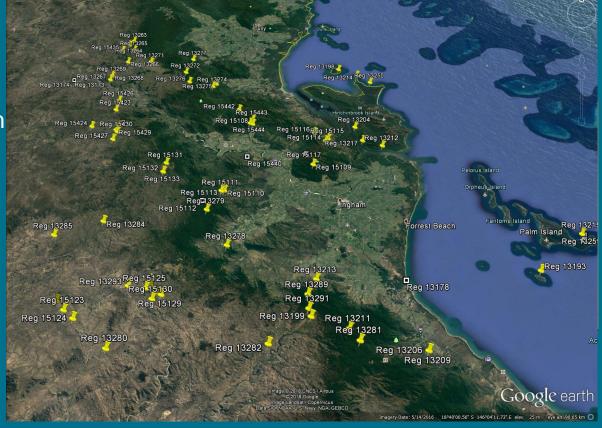


## **Overall Results**

Transcribed records	≈40,000
Catalogued Slides	59,000+
Electronically searchable	27700+
Indicative time expended by Volunteers	1144 hours
No. of Volunteers involved	36 (64% by 3 transcribers)

#### **Spatial Component**

- Determining the location
  - Estimates
  - Aerial Photographs
- Projections and Datum
- Display the location

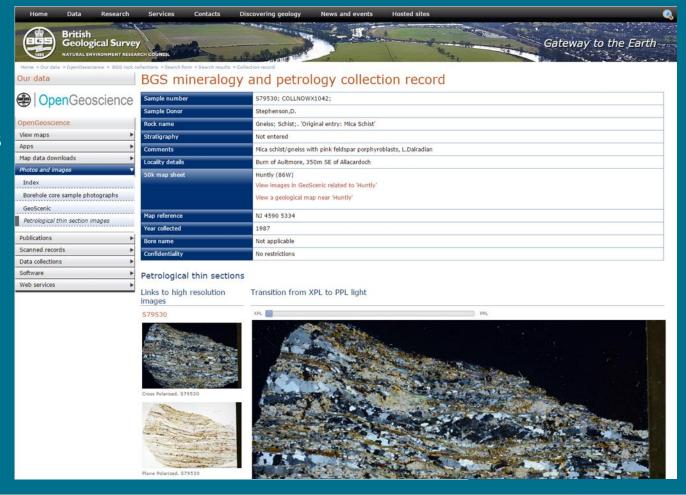


#### What drives a volunteer?

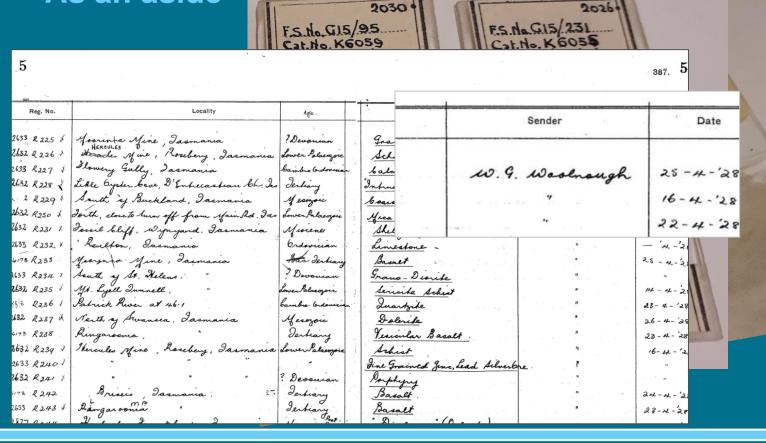
- Like doing the work and gaining more knowledge
- Keeping mentally active
- Sense of Satisfaction
- "Discovering" new places
- Friendly rivalry
- Personal statistics and virtual prizes
- Sense of community

#### Where to

Current distribution
OGC Web services
Possible



#### As an aside



# **Acknowlegements**

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#### **Questions?**

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