

eResearch enables developments in

- Astronomy
- Biology [medical/genetic, environment, agriculture]
- Social sciences
- Humanities
- Multidisciplinary areas like Tourism
- ...

It's a showcase for computer science & computational science

But ...

Government, firms, social groups & individuals can benefit from, drive, & be involved in eResearch.

A key driver is access to world knowledge developments for small countries.

Some examples from today

- WMO + BoM

 - sensor data to global weather models

 - Australian access to satellite data

 - shared tools & models (UK Model + GFE)

 - private sector e.g. AMDAR

- Financial Markets CRC

- CRCSI

What limits eResearch? [1]

Legal permissions

Lack of data & access policies

Low bandwidth

Not valuing repositories

Different levels of government issues

Not valuing international organisations & conventions

What limits eResearch? [2]

Inability to pose problems

Lack of tools

Lack of sophistication with data partial & sensors

Not supporting culture of multi-country collaboration

Not providing appropriate education

What limits eResearch? [3]

Not getting a major set of interlocked drivers & incentives right

- in universities

- in research organisations

- in government

- in society

Not anticipating the unexpected!