

WAS THE FUNDING STRATEGY FOR GEMOC CONTINUATION AFTER 2001 SUCCESSFUL?

GEMOC's business plan has proved to be a successful blueprint, resulting in viable funding to continue GEMOC's activities beyond the Commonwealth funding period that ended in 2001.

Key elements of funding continuation include:

- Macquarie University support of \$100,000 per annum
- Macquarie Vice-Chancellor's grant to support Geophysical Modelling development
- ARC Program Grant 2002-2006 for basic research component
- DEST Systemic Infrastructure Initiative Grant (\$5.125 million) for 2002-2004
- Industry funding is increasing through substantial collaborative ventures and value-added consulting
- Independent Research Fellowships to support Postdoctoral Fellows
- Continuation of existing funding sources for other ongoing activities such as postgraduate scholarships, undergraduate teaching development and pilot research projects.

Summary of strategy outcomes

- Staff: 2 new academic staff members continuing, new academic staff appointment
- Postgraduate funding strategy exceeded goals
- Strategy for equipment and analytical funding exceeded goals

Macquarie University support has been exceptional in all areas including cash, in-kind and space guarantees, and in policy support. Macquarie's Research Strategic Plan recognises GEMOC's research programs as Areas of Excellence (lithosphere and planetary evolution and metallogeny; isotopic and global geochemistry; and paleomagnetism, geodynamics and geophysical modelling) and GEMOC as a Centre of Excellence.

Strategy for ongoing Geochemical Analysis Unit funding

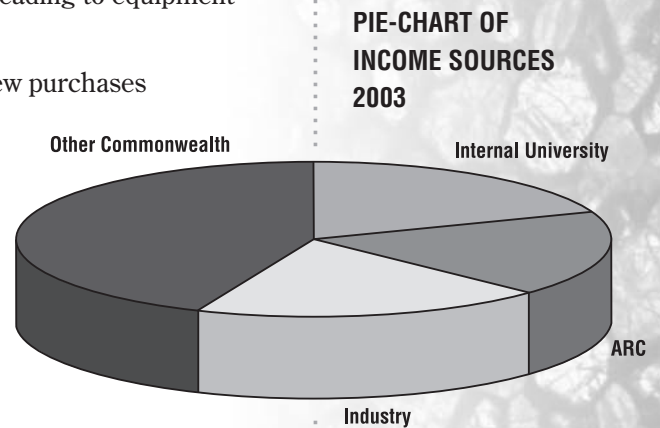
GEMOC's outstanding analytical facilities are vital to our innovative research programs and to attracting research and industry income. This technology concentration also represents a high-budget item in terms of maintenance, running costs, replacement and especially for new purchases to maintain frontline developments. Funding strategies in place include:

- User-pays system for running, maintenance and development costs
- University annual contributions through competitive schemes and capital equipment allocations
- Annual contribution from the Department of Earth and Planetary Sciences
- Macquarie University's guarantee of a strategic plan to ensure the integrity, maintenance and appropriate staffing of the Geochemical Analysis Unit
- Collaborative project building with industry partners

- Delivery of new exploration tools to industry through novel analytical methodologies
- Research and Development ventures with manufacturers leading to equipment replacement
- Applications to funding schemes for matching funds for new purchases
- Provision of services to external clients including industry
- Industry capital investment in return for access equity, negotiated intellectual property and collaborative rates

GEMOC INCOME 2003

This is a summary of 2003 Income. A full audited statement of detailed expenditure and income is provided to DETYA every March. *No in-kind support is included.*



	\$1000
ARC	
<i>Discovery, SPIRT, Fellowships</i>	814.2
OTHER COMMONWEALTH	
<i>Postgraduate awards</i>	122.5
<i>DEST Systemic Infrastructure</i>	1900.0
INDUSTRY	
Collaborative Research grants (MUECRG, AMIRA)	275.3
Collaborative and commercial through MRL	324.5
Other Industry	312.9
INTERNAL UNIVERSITY	
Annual Key Centre Contribution	150.0
Internal competitive schemes	
Fellowships	153.6
Research grants	168.8
Vice-Chancellor Development Grant	100.0
Postgraduate awards	73.9
Postgraduate research grants	6.5
Infrastructure (RIBG)	61.1
Capital Equipment	133.3
GAU maintenance (Department)	30.0
TOTAL	4626.6

BENEFITS TO AUSTRALIA

- Scientific innovation relevant to National Priority Areas 1 (Goal 3: Developing Deep Earth Resources) and 3 (Goal 1: Breakthrough Sciences)
- Excellence in training of our future generation of geoscientists
- Enhanced industry links nationally and internationally
- Improved criteria for exploration by Australian mining companies both on- and off-shore
- Technological innovation (scientific advances, intellectual property, commercialisation, value-added consulting services)
- Enhanced international links