

ADVANCED BIOLOGICAL SCIENCES*—

underpinning Australian economic activity and worth \$46 billion each year

Biological sciences help to support our national wealth.

We need to continue our national commitment to the advanced biological sciences if we are to recognise opportunities and capture the rewards. It is of substantial economic benefit.

There is a lot at stake.



Australian Government
Office of the Chief Scientist



Australian Academy of Science

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*Advanced means science undertaken and applied in the past 30 years.



3.6%

3.6% of Australian economic activity relies directly on advanced biological sciences.



\$46b

The direct contribution of advanced biological sciences to the economy is around \$46 billion per year.



464 000

4% of total Australian employment (about 464 000 jobs) is directly related to advanced biological sciences.



18% to 34%

This is how much higher the burden of disease would be without advanced biological sciences.



5%

The total direct and flow-on impact of advanced biological sciences amounts to 5% of Australian economic activity or about \$65 billion per year.



\$12b

Exports associated with advanced biological sciences are worth around \$12 billion a year. This is 5% of Australia's goods exports and equivalent to 4% of total Australian exports of goods and services.



\$83b to \$156b

This is the value of health improvements from advanced biology.