Australian Government

Asia-Pacific Economic Cooperation

Chile

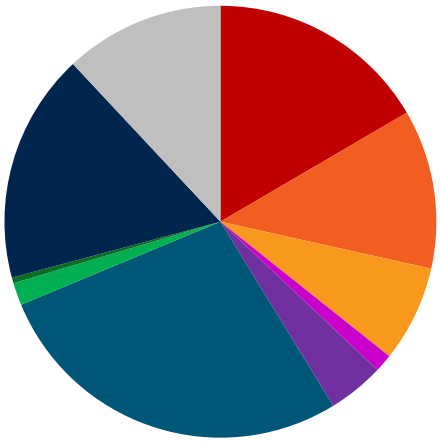
Disaster management applications present an opportunity to greatly increase the value of earth and marine observing (EMO).

Pop: 18.7 million | GDP (per capita): US$15,923

EMO VALUE (US$ billion)

2019: $1.5
2030: $5.7
2030 (collaboration): $6.7

TOTAL ECONOMIC VALUE



	US$ million
Mining	253
Agriculture, fisheries & forestry	182
Utilities: Power	110
Utilities: Water	20
Utilities: Communications	64
Transport	419
Health	26
Finance	7
Consumer	263
Disaster Management	183
Total	**1,526**

KEY INDUSTRY INFORMATION

The value of EMO to Chile is equivalent to 0.51% of GDP.

Disaster management (12%) and consumer willingness to pay (17%) contribute a combined EMO value of US$445 million.

Mining contributes US$253 million, which is equivalent to approximately 1% of the total value of the mining industry.

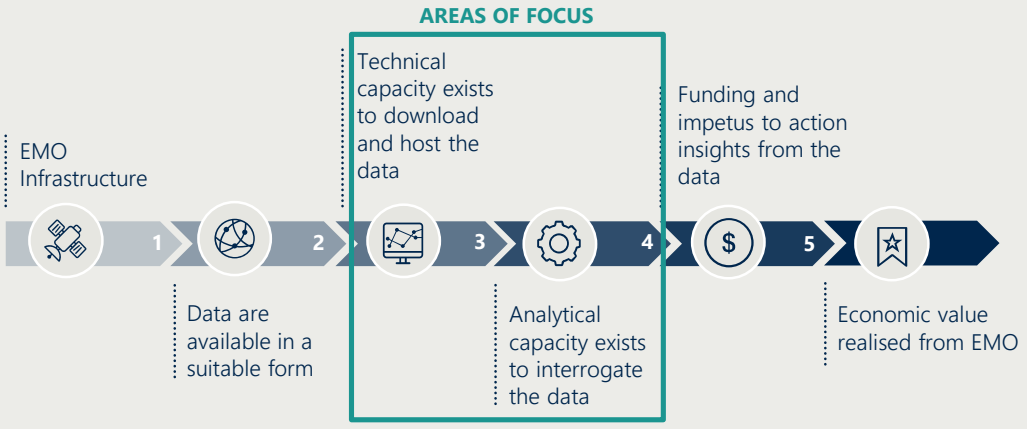
Transport realises the most value from EMO, at $US419 million (28% of the total value of EMO).

AREAS OF COLLABORATION

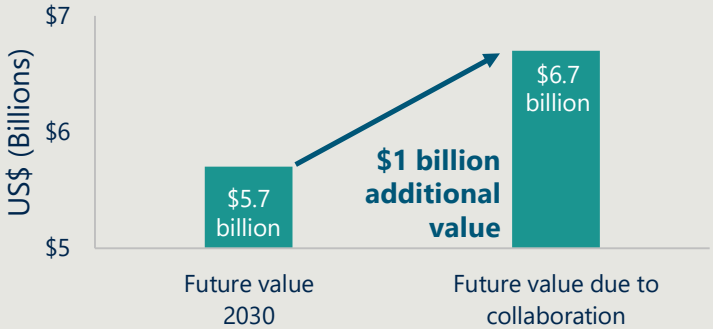
Chile can leverage the insights and data from other economies to strengthen its already growing EMO capabilities. Organisations such as the 'Asociación Chilena Del Espacio' (ACHIDE) are extending Chile's EMO capabilities and reach.

Targeted capability development across APEC could help realise this potential, including advancing Chile's current infrastructure programs.

VALUE CHAIN



VALUE FROM COLLABORATION

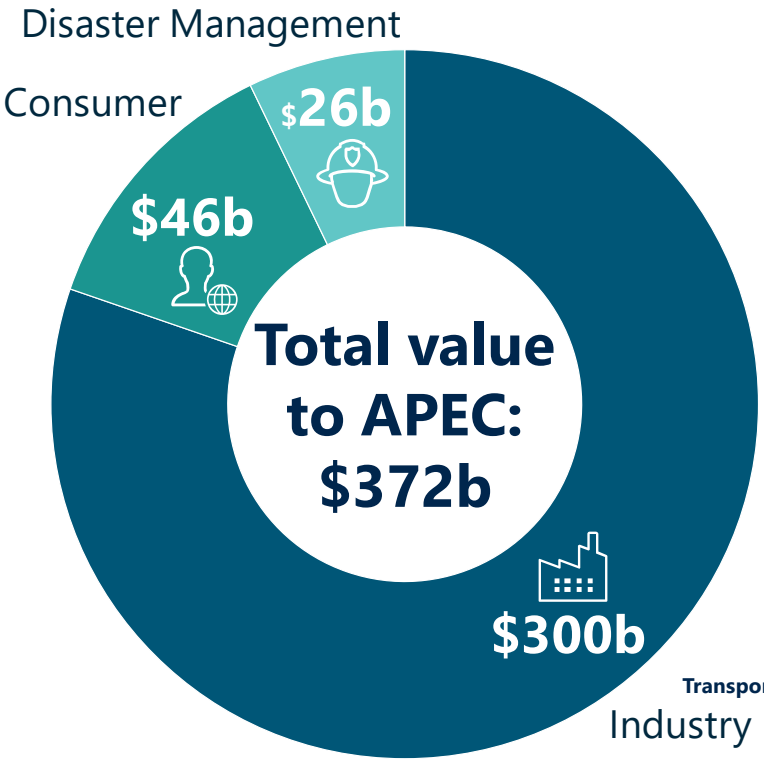


Collaboration across APEC could help Chile realise even further value through its disaster management programs and consumer products. There are opportunities for targeted investment in capability programs to boost EMO uptake in other industries, such as utilities and health.

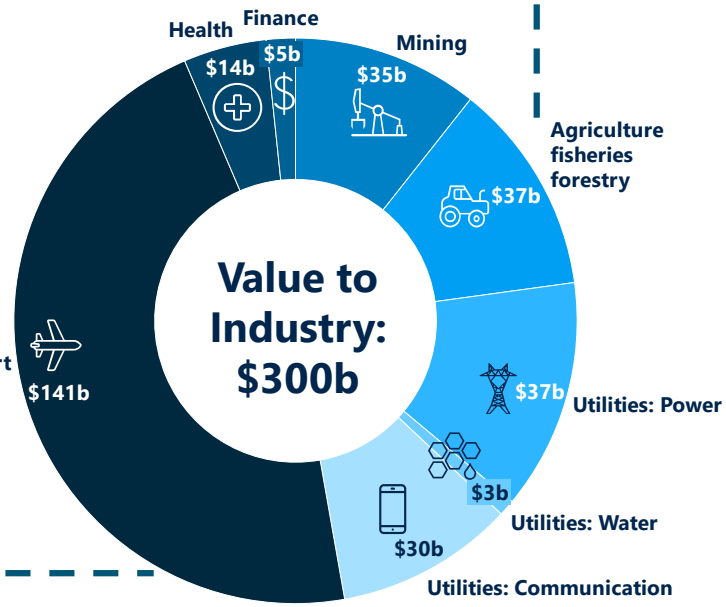
See the full report, *Current and future value of earth and marine observing to the Asia-Pacific region*, at industry.gov.au/APECEMOreport

VALUE OF EMO TO APEC from 2019 to 2030 (in US$)

2019



"EMO requires a significant number of people working who understand the potential."



2030

Potential future value of $1.35 trillion

Collaboration across APEC can generate an additional $126 billion

"We need to encourage data exchanges between different economies to inform awareness of the maximum benefit from joint action, research, and application."