

Xcalibur
SMART MAPPING

Australia | Geoscience Australia
AusAEM Mapping (TEMPEST® AEM)

Country Mapping programme | Case Study

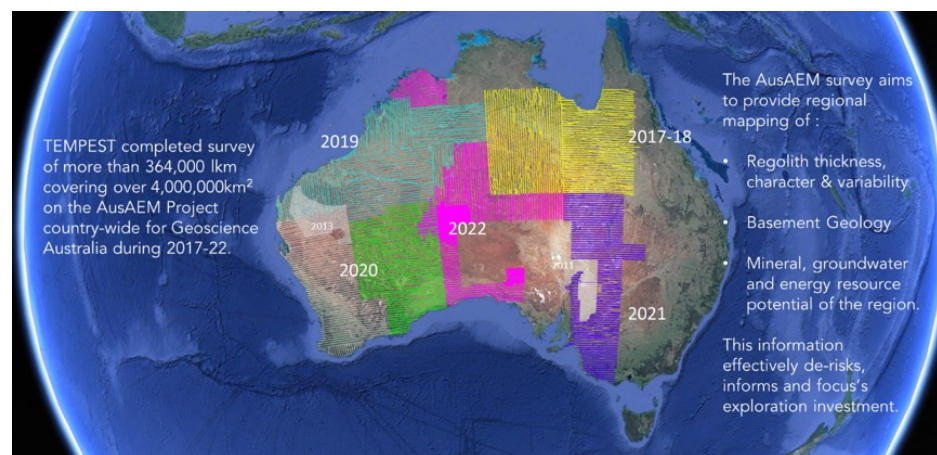
THE PROJECT

- Largest airborne electromagnetic survey ever undertaken, part of the Australian Government's Exploring for the Future Program (EFTF) That started in 2017, continues with the aim of covering the entire continent
- Total flight distance: +364.000km. Area covered: 4 million km² across 6 Australian states
- Tempest AEM:
 - Enables mapping of the surface conductivity to a depth of several hundred meters
 - Data acquired through a fixed-wing platform that will be integrated with other information generated for the EFTF program

The ultimate aim of the program is to enable government, the industry and the research community to better understand the mineral potential of Australia and stimulate investment

According to Deloitte, precompetitive geoscience data and analysis supported 3,5% of Australia's GDP in 2021-2022 (\$76 billion) and generated \$3,7 billion in royalty payments to the government.

RESULTS



Regional airborne electromagnetics lines that assesses:

- Cover thickness, character and variability
- Basement geology
- Mapping potential mineral, groundwater and energy resources