

<sup>3</sup> GEMOC, Department of Earth and Planetary Sciences, Macquarie University, NSW, Australia

**(a)** Individual tenement expenditure on exploration

**(b)** Number of overlapping tenements

**(c)** Summed tenement expenditure on exploration

**(d)** Prospectivity map of geological potential

**(e)** Prospectivity clipped to tenements

**(f)** Combined map of total expenditure and prospectivity

**(g)** Final comparison between data-driven targeting (high prospectivity) and areas with high expenditure

**Licence/Prospectivity Maps of the Cadia-Northparkes districts**

**Tenement expenditure**

- < \$39,000
- \$39,000 - \$130,000
- \$130,000 - \$286,000
- \$286,000 - \$546,000
- \$546,000 - \$1,066,000
- > \$1,066,000

**No. overlapping tenements**

- 1
- 2
- 3
- 4 - 10

**Tenement expenditure**

- < \$39,000
- \$39,000 - \$130,000
- \$130,000 - \$286,000
- \$286,000 - \$546,000
- \$546,000 - \$1,066,000
- > \$1,066,000

**Post probability value**

- < 0.000131
- 0.000131 - 0.01
- 0.01 - 0.1
- 0.1 - 0.99344176

**Exploration targets**

**Summed tenement expenditure**

- < \$39,000
- \$39,000 - \$130,000
- \$130,000 - \$286,000
- \$286,000 - \$546,000
- \$546,000 - \$1,066,000
- > \$1,066,000

**Expenditure x Post probability**

- < \$30,000
- \$30,000 - \$100,000
- \$100,000 - \$450,000
- > \$450,000

**Post probability value**

- < 0.000131
- 0.000131 - 0.01
- 0.01 - 0.1
- 0.1 - 0.99344176