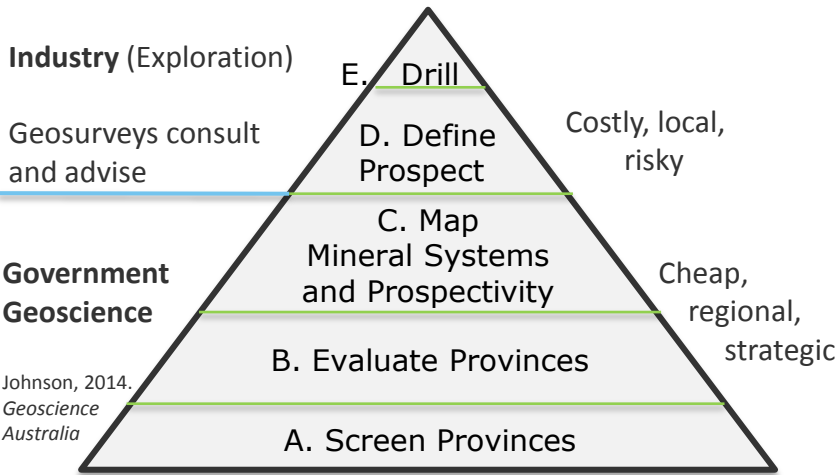
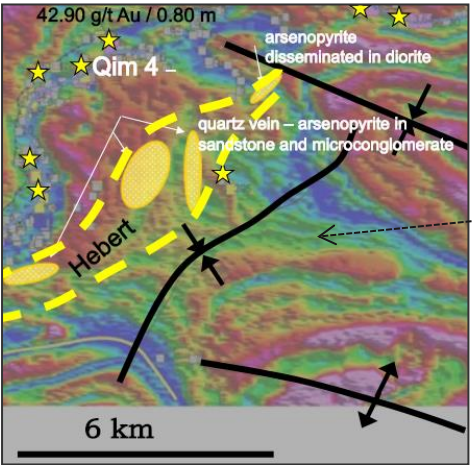


Research to Reserves: Mapping Survey Knowledge for Explorers

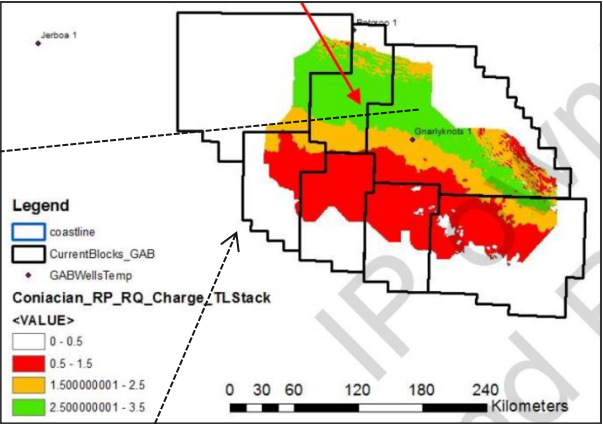
Exploration expertise and scales of investigation



D. Select low-risk license blocks

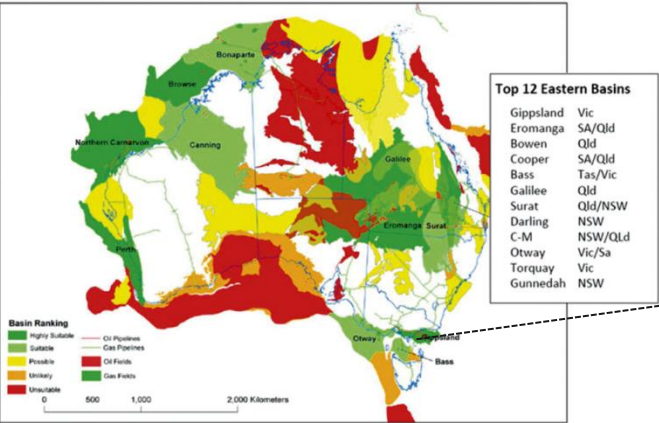


C. Composite Geological Risk map



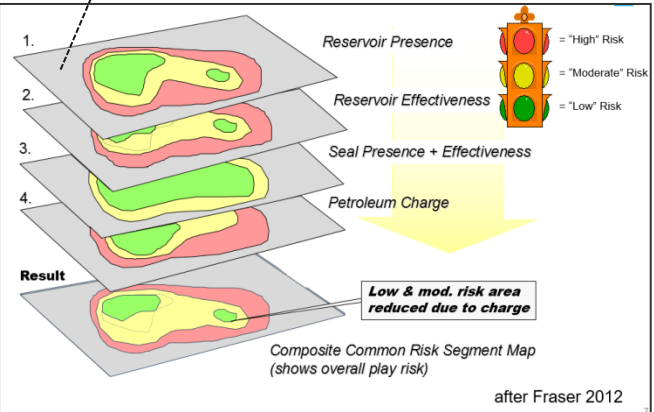
Low risk High risk
Longley and Brown, 2016

A. Screen and rank provinces in GIS



Highly suitable Highly unsuitable
Lumley, 2009. CSEG Recorder

B. Risk Mineral System components




Low risk High risk
GIS-PAX



Stop
Wait
Go

Q. How to Guide € to Low-Risk Prospects?

- National knowledge needs to be more aligned to industry needs
 - To, ↑ knowledge integration, ↑ co-operation, ↓ exploration risk, ↑ decision quality
- GIS product: surveys build geological risk maps for countries
- Geological chance of success:  provinces and mineral systems risked
 - Before selecting license blocks. Cheaper than 1 drilling programme
- Commercial and other benefits
 - Surveys: client studies, pay-access, advisors. Explorers: informed. Europe: attractive
- Partners and funding sought
 - GEUS, another geological survey, exploration companies
 - 2 years to develop pilot study on Greenland: gold, copper or zinc

