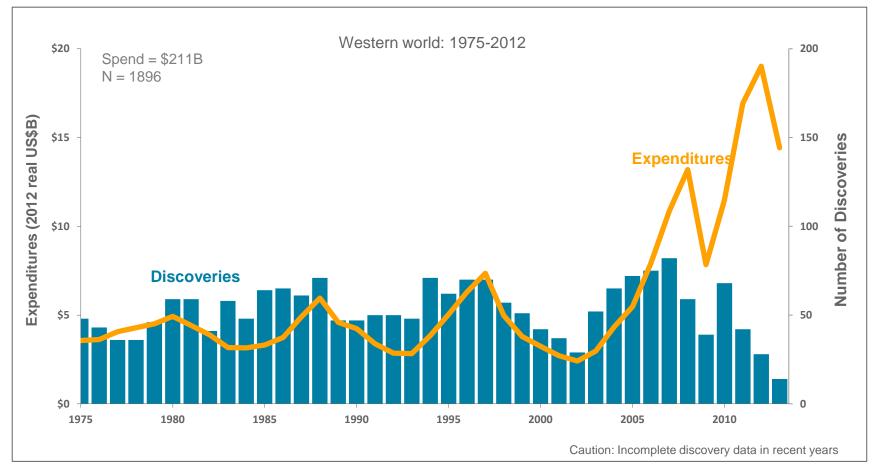
Exploration spend and historic discovery rates The recent disconnect between spend & discovery rates

Significant* mineral discoveries (excluding bulks)



*Significant defined as >100Koz Au, >10Kt Ni, >100Kt Cu equiv, 250Kt Zn+Pb, >5Moz Ag, >5kt U₃O₈

What Exploration Companies want from UNCOVER

The collaborative B&D exceptions the actives & roles: Vectors to ore AMIRA CODES Maximising access through Portals to all data eg Auscope National Mineral Exploration Strategy endersed by SGR Longer time from concept to treising is carring the industry — Therefore, without most effort focused on the rocks taxpayer support for UNCOVER is not justified Regional IP/MT Surveys More published modern examples of orebody signatures Deeper copper discoveries tend to be large High Resseismic to 2Km The challenge is that, as we go deeper the discovery tools become more costly and less effective Bring on HeSeis!! Three quarters of the wealth created in Australia come from Tier 1 and 2 discoveries bility to map fertility enriched SCLM Disconnect between spend and discovery rate **Precompetitive litles** I The contribution UNCOVER can make is mapping the the unknown Australian Basement. New Including (IETCIC: Litrum P. Magnelis Gradienster The average depth of drilling in Western Australia is 34 metres Resolving the 4D geodynamic and metallogenic evolution of Australia Correlation of discovery rates Its about collaboration stupid Deeper discoveries will have to mpetitive as they are more risky Predicting the mineral system footprint to maximise search area Read to know about the Background Leveraging micro analytical capability Map the Unconformity above prospective Basement Risk and value analysis of exploration Deep Earth Perspective Lithospheric Mantle is reservoir for ore elements Fundamental Crustal architecture is especially important Hollidays 5 Hotspots More science on technologies and toolidits can and will be applied anywhere, not just in Australia. **Basement Samples Needed**

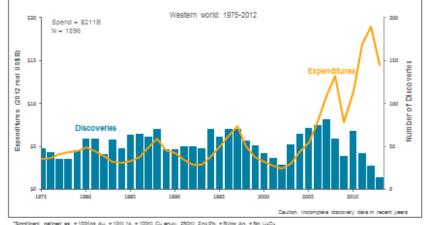
What could we do differently?

RioTinto

- We need an easily communicated ٠ economic target. Eg \$300 Million over 5 years to generate 3 Tier 1 terrains/targets.
- Focus on the unknown not the ٠ known
- New Models for Collaboration ۰
- Communications strategy to the ٠ world eg PDAC, China Mining
- From Government Perspective •
 - Speed up the process
 - Release more data/encourage companies to release early via incentives
 - Value add
 - **Transparent Work Programme Tender**
 - Keep / expand Drilling collaboration

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Source: MinEx Consulting @ February 2014

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Minerals Industry Challenges: Unlocking Australia's Potential Through Collaboration

What needs to be done





Leading Industry Innovation

The way forward

- **1. Establish the vision:** For each of the five uncover themes determine where industry wants to be by 2025
- 2. Determine how we can achieve the vision: Work out the research questions and tasks that need to be addressed/carried out in order to achieve the state we want to be by 2025
- **3.** Work out where we are: Determine the current state, who is already addressing what, the gaps & the priorities
- 4. Determine the resources we need: Having established the gaps (&priorities), identify the resources required (the best brains must be brought to bear). It's a national endeavour : need to put aside petty politics
- 5. Identify the vehicle to get us there: Identify the best platform to address the gaps and make things happen and get us there
- 6. Get on with it and make the above happen



Leading Industry Innovation



WITH COLLABORATION GREAT THINGS

HAPPEN

The case for collaboration: everyone benefits

METS Suppliers

Opportunity to participate in R&D projects/reduce R&D risk (& funding)

Networking with customer base/technical leaders

Develop relationships with customer base

Increase awareness of industry trends

Be at the forefront of new technologies

Opportunities to contribute to solutions to industry challenges

Opportunities to explore new technologies

Commercialisation opportunities





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Leading Industry Innovation