



esri™ South Africa

Presented By:  
Alex Bals

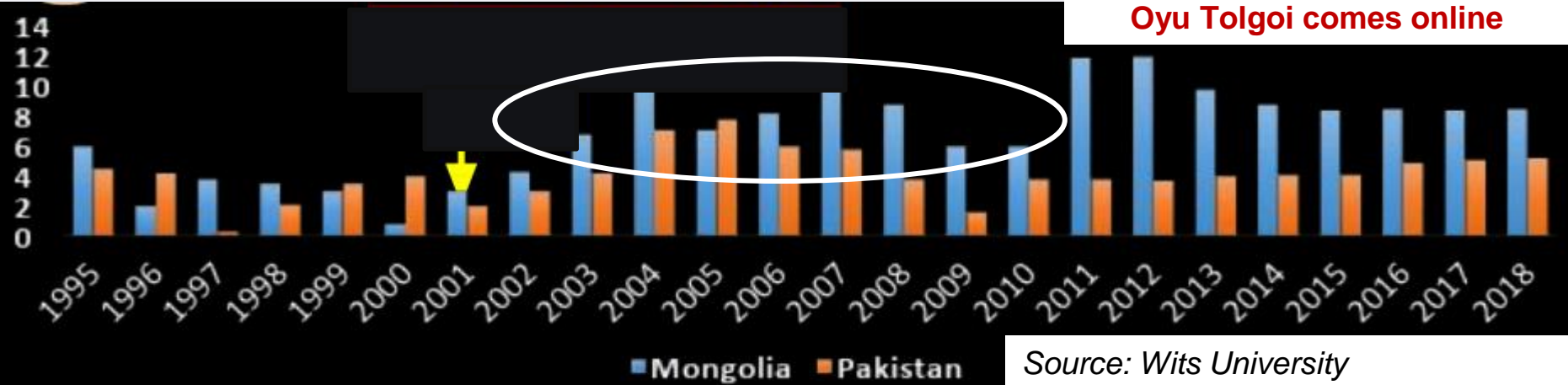
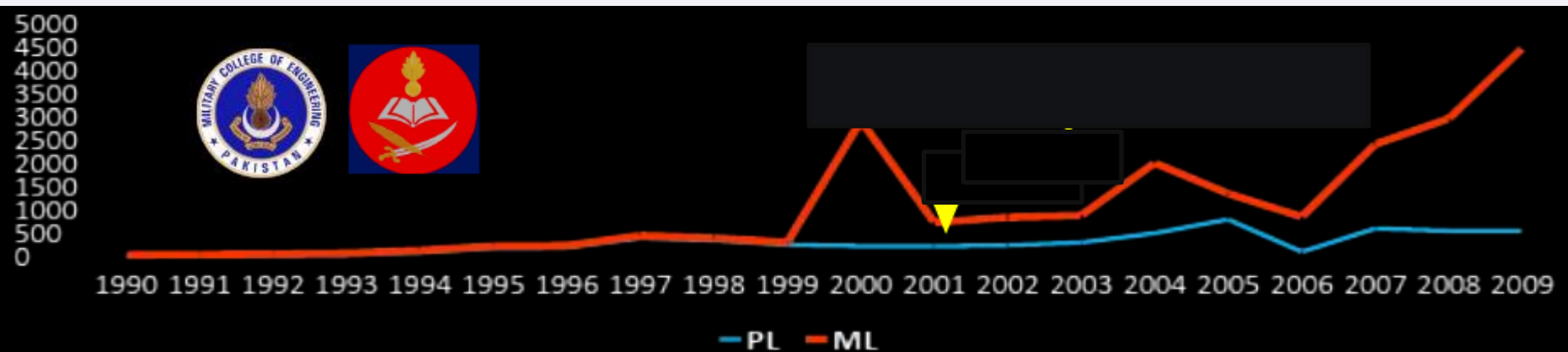
# Creating value in mining

## Why geospatial systems matter

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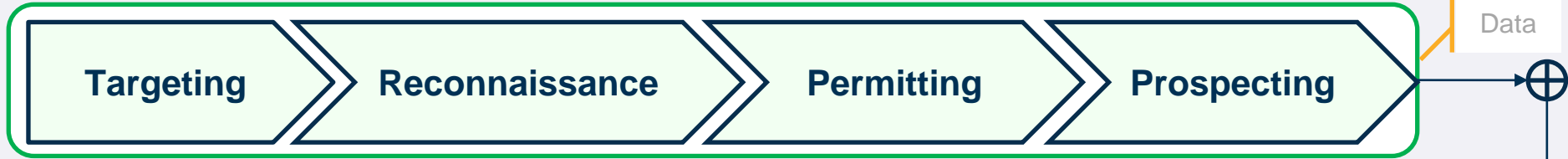
Landfolio User Conference - 10 February 2023

# User cases



# Value Drivers

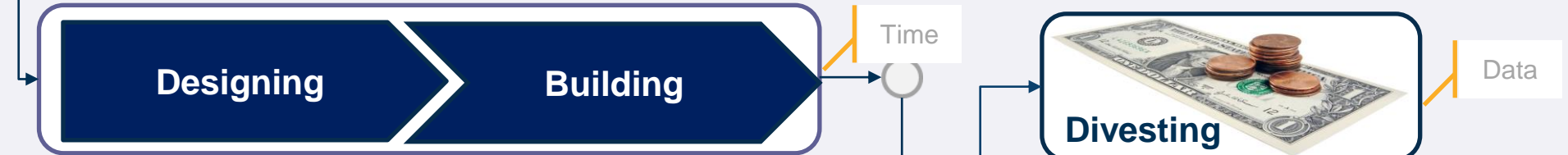
Geophysics and geology



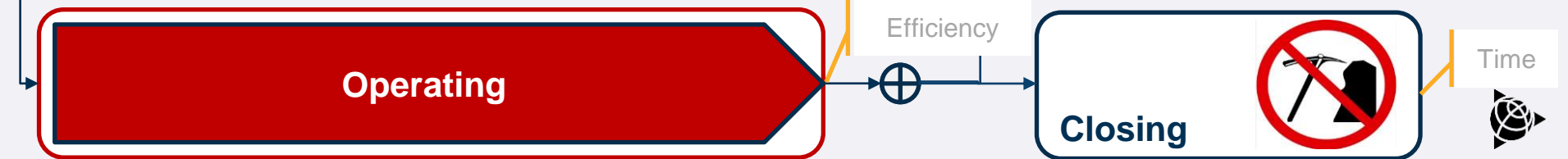
Project management and collaboration



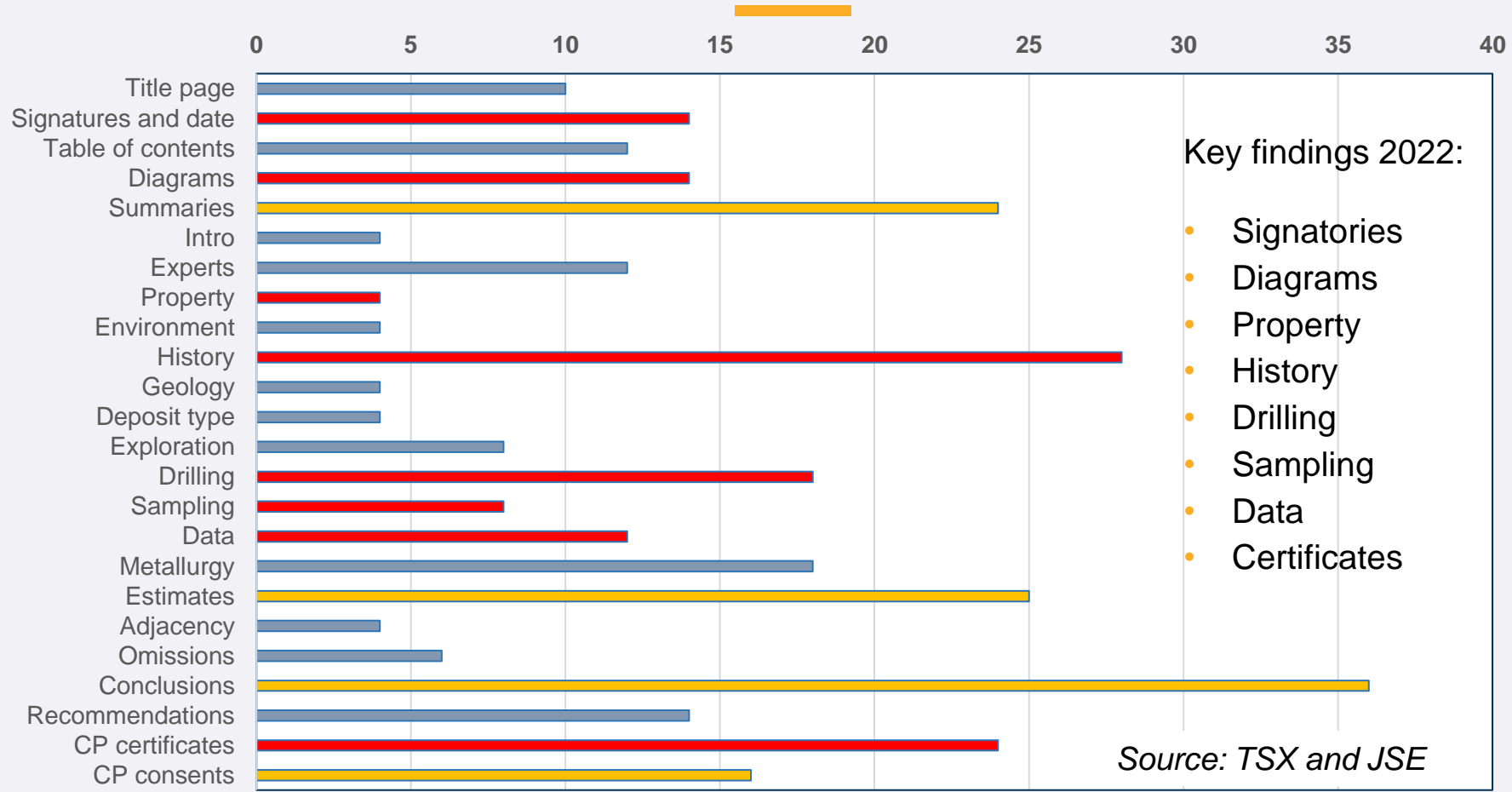
Engineering, procurement, construction



Production and compliance



# Public Funding

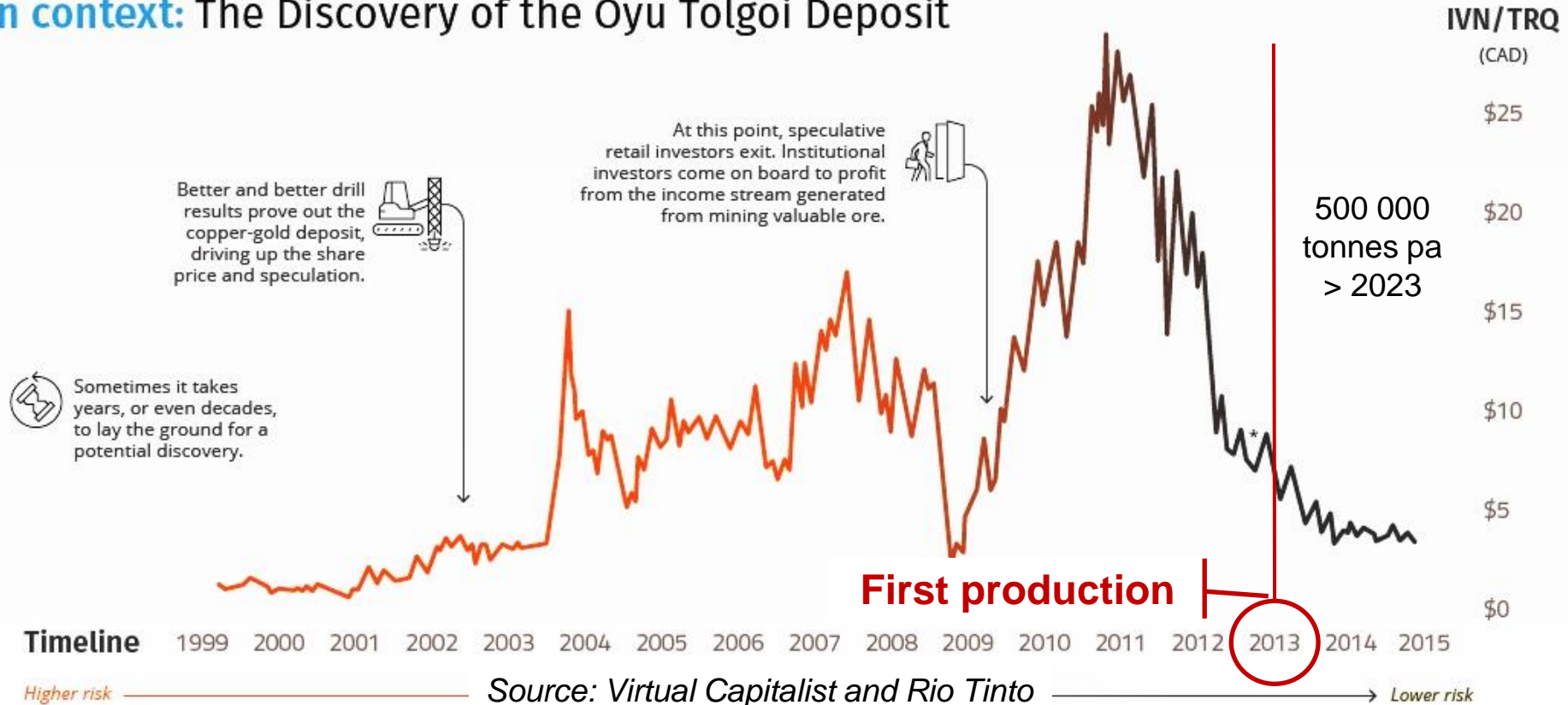


Source: TSX and JSE

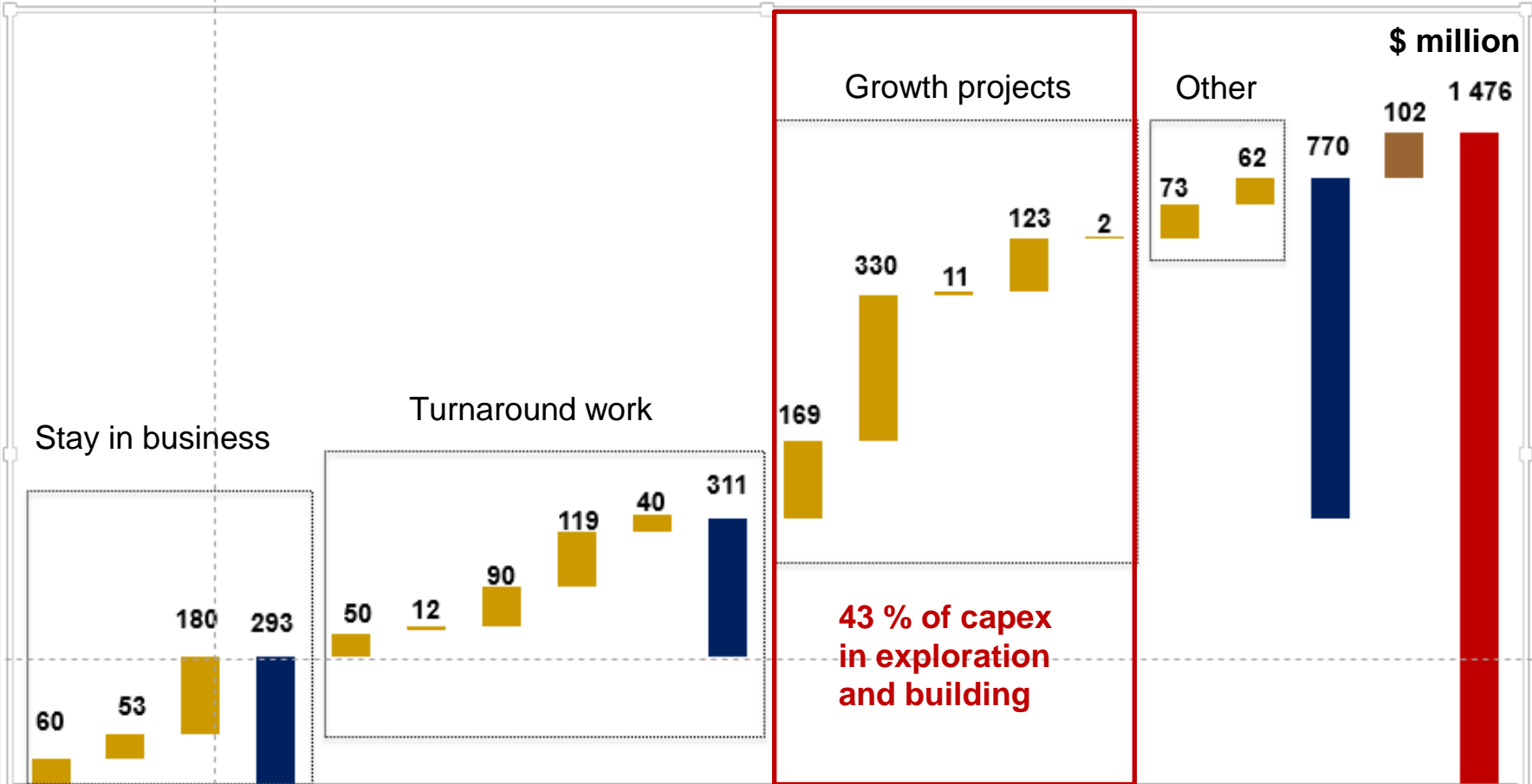


# Investment Profile

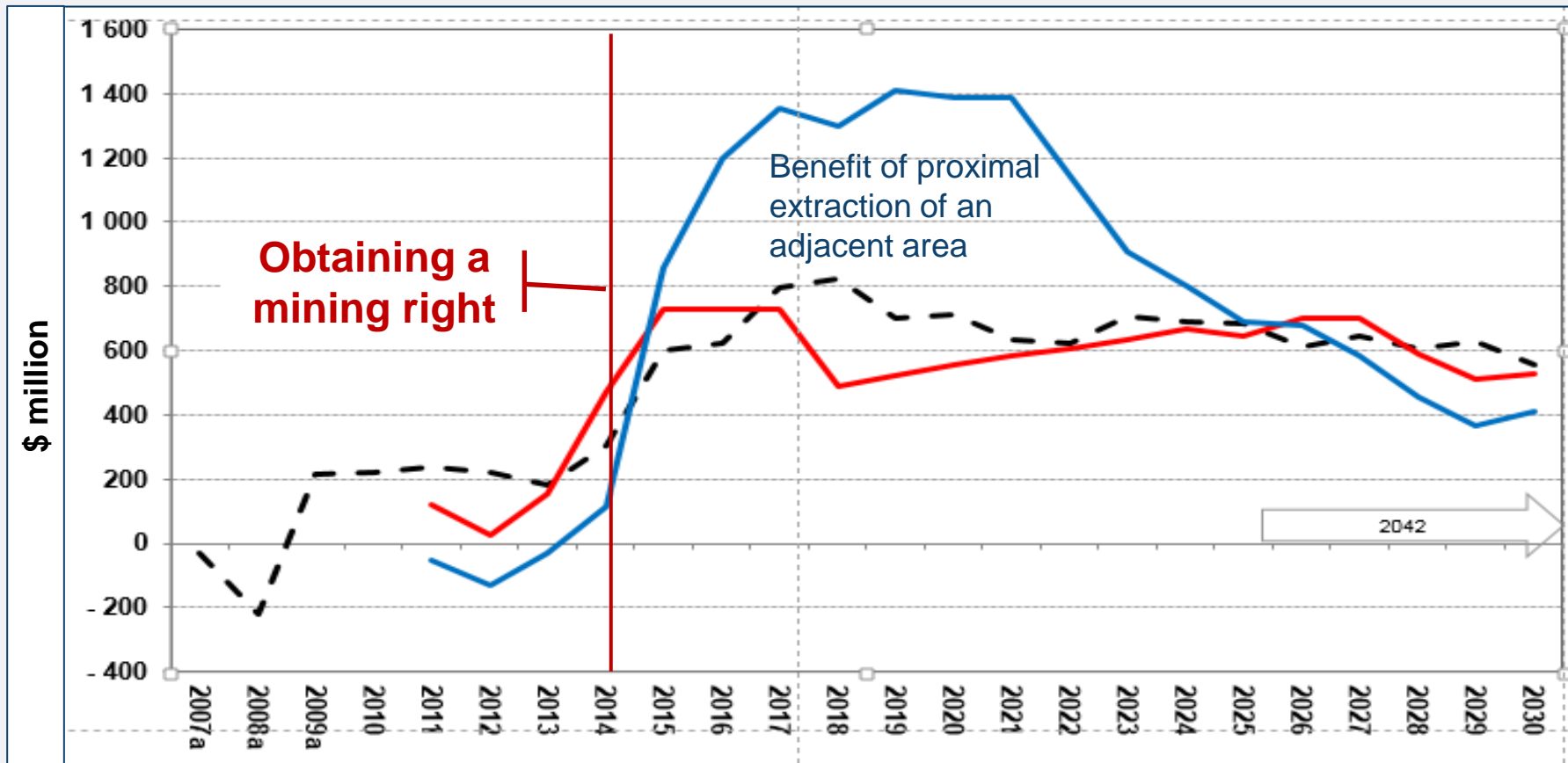
## In context: The Discovery of the Oyu Tolgoi Deposit



# Capital Budgets



# Cash Generation



# Liabilities

## Jagersfontein diamond mine

- Largest hand-dug hole in the world
- First diamond found 1870
- White blueish high-value stones
- 9.6 million carats recovered from pit
- Operated by De Beers for its life
- Deproclaimed in 1972
- De Beers retained prospecting rights until 2002
- Court case with Ataquia Mining 2007
- Reprocessing started 2010 by Son Op
- Renamed to Jagersfontein Developments





# TSF Failure

## Jagersfontein failure

- 11 September 2022
- 3 dead, 40 hospitalised
- 160 houses flooded
- Waterworks destroyed
- Substation lost
- \$30-50 million in damages
- Operating company insolvent
- Class action pending



# Media Exposure

- Government departments of Land Reform, Mineral Resources, Environment and Labour involved
- DMRE “according to their records, De Beers was the last mining company to have control over the area”



**2020** – Jagersfontein Developments



**2017** – Jagersfontein Developments



# Thank You

Alex Bals

With thanks to:

Prof. Fred Cawood

Dr Iqra Atif

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or Feedback  
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