

Module 4

Alternative Approaches to Valuation and Investment

Empirical evidence and final points (Does anyone exercise their option to use real options?)

Presenter: Sean Pinder





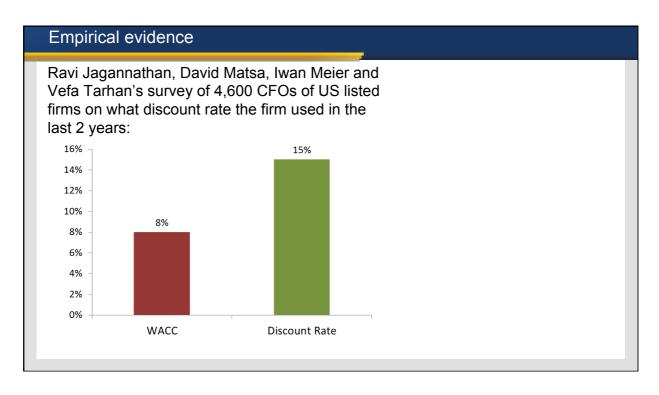
Anecdotal evidence

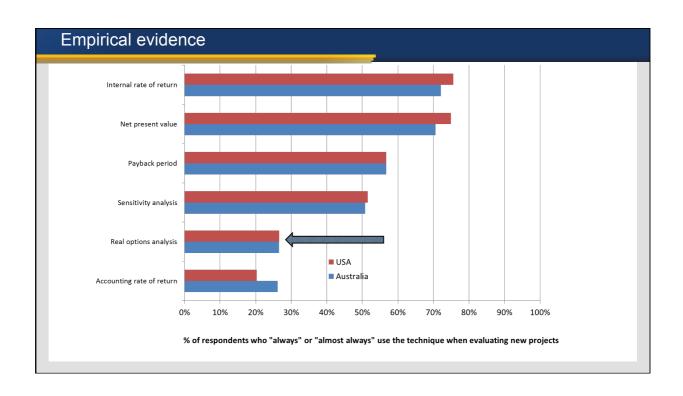
We often observe behavior that is consistent with management understanding the importance of real options analysis.

Examples:

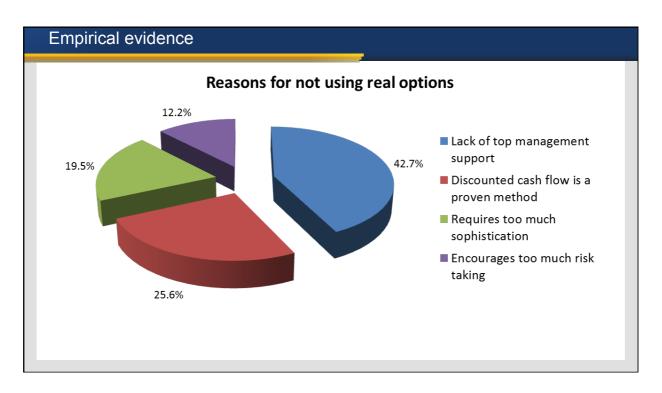
- Exporters don't leave markets as soon as exchange rates move against them
- Airlines don't immediately cancel routes that are suddenly losing money
- Companies do establish small negative NPV operations in new markets to develop a "footprint" for future expansion.

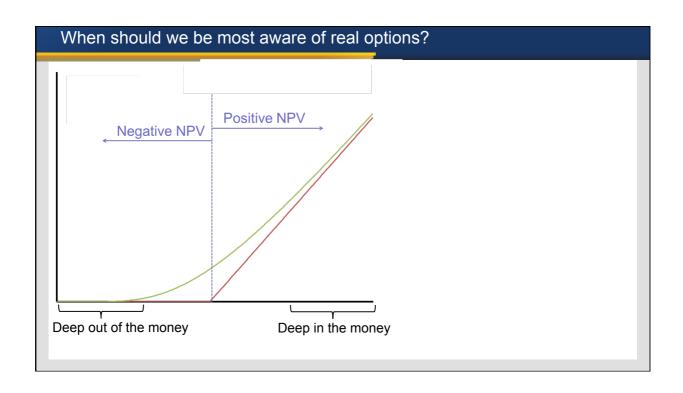














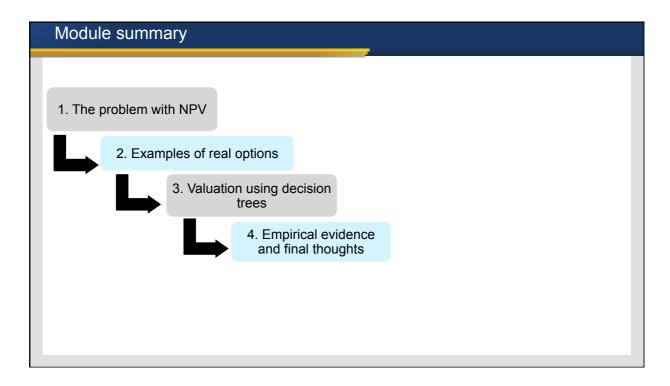
When should we be most aware of real options? Likelihood of receiving new information Uncertainty Moderate High flexibility flexibility Ability to value Flexibility respond to value new (4) information Moderate Low flexibility flexibility value value

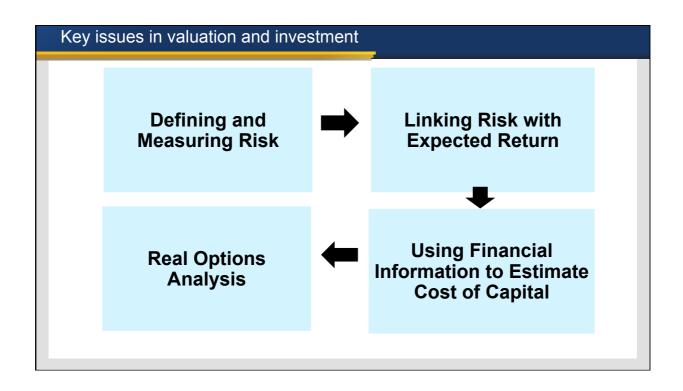
Summary

We have considered:

- Anecdotal evidence that suggests that managers understand the value of flexibility
- Empirical evidence consistent with managers behaving as if real options are relevant
- Other empirical evidence that suggests that the value of real options are not often modelled explicitly
- The circumstances where it may be particularly important to consider real option analysis in addition to standard DCF analysis.









Source list

Slide 3

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Graph by Sean Pinder. © The University of Melbourne. Prepared using data from Block, S. (2007). Are "Real Options" Actually Used in the Real World?, The Engineering Economist: A Journal Devoted to the Problems of Capital Investment, 52:3, p. 261. Available at http://dx.doi.org/10.1080/00137910701503910

Slide 6:

Graph prepared by Sean Pinder. © The University of Melbourne.

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