

Evaluating Techno-Economic Viability: Kickoff remarks

Robert Malina

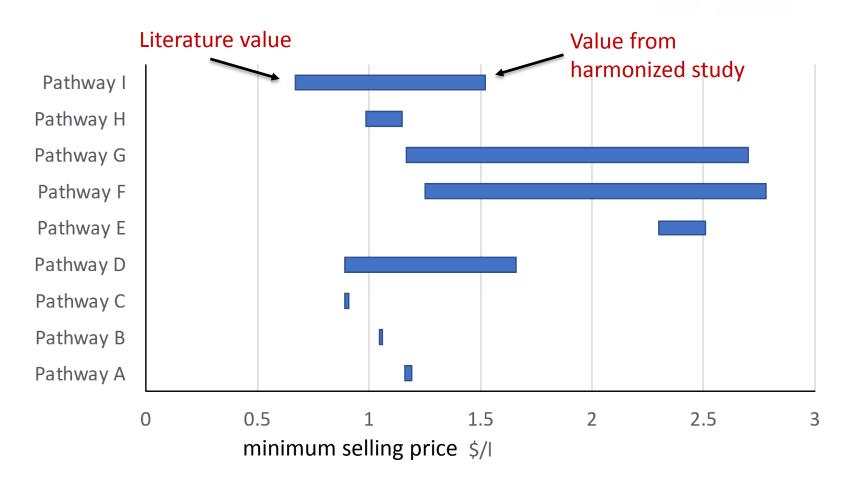
CAAFI General Meeting October 25, 2016



TEA Challenges

- 1. Harmonization of TEA assumptions across studies/pathways
- 2. Usage of **real-world** data to improve accuracy of results
- 3. Capturing cost differences between pioneer and n-th plant estimates
- 4. Appropriate inclusion of **policy environment**
- 5. Addressing investor and societal perspective

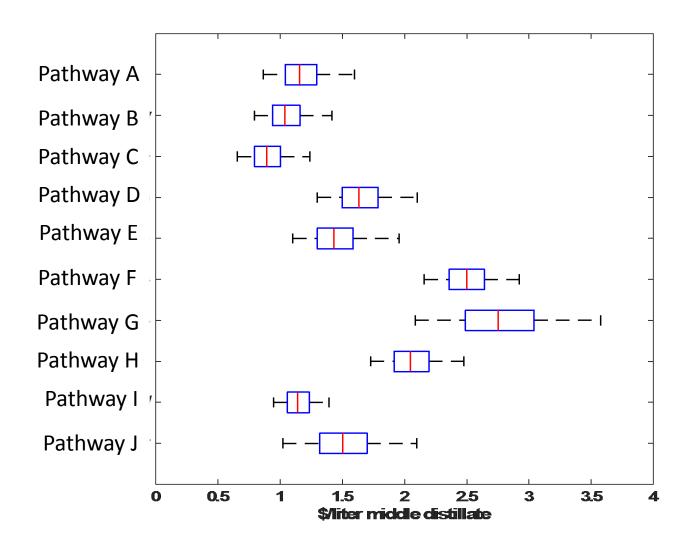
1. Harmonization of assumptions



Bounds of range are literature value for minimum selling price of fuel and mean value of cross-pathway study with harmonized assumptions

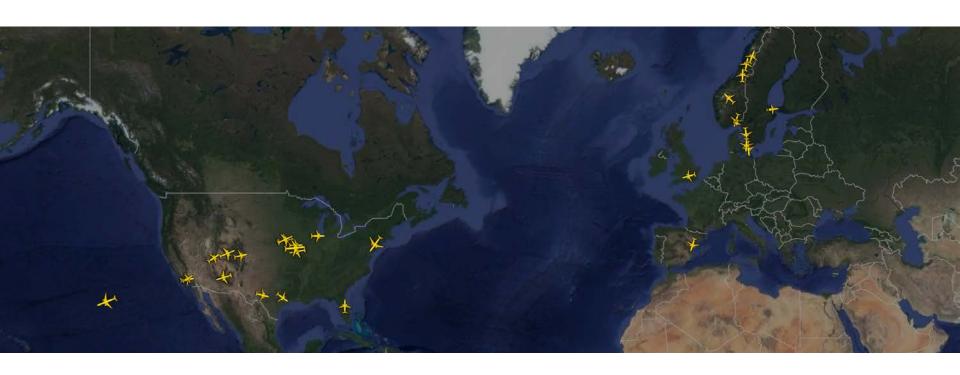


2. Inclusion of real-world data



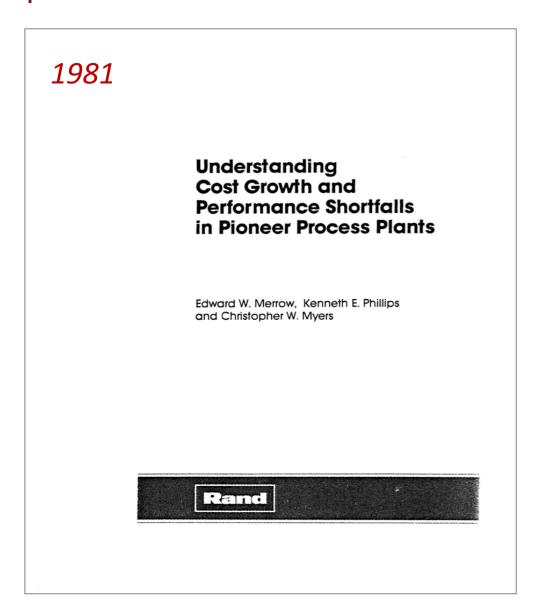


2. Inclusion of real-world data ('ctd.)



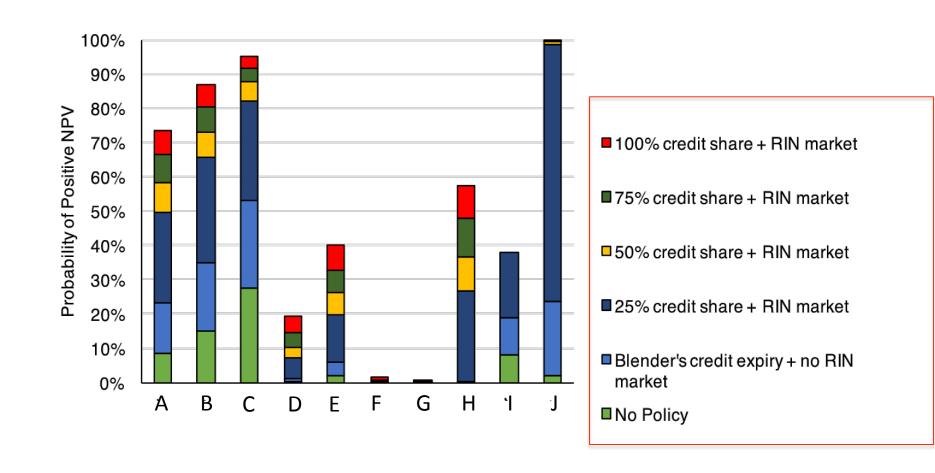
Snapshot: Tracking of flights using alternative aviation fuels, October 24 2016, 1.31pm EDT Data from ICAO Alternative Fuels Plane Finder

3. Capturing cost differences between pioneer and n-th plant cost estimates



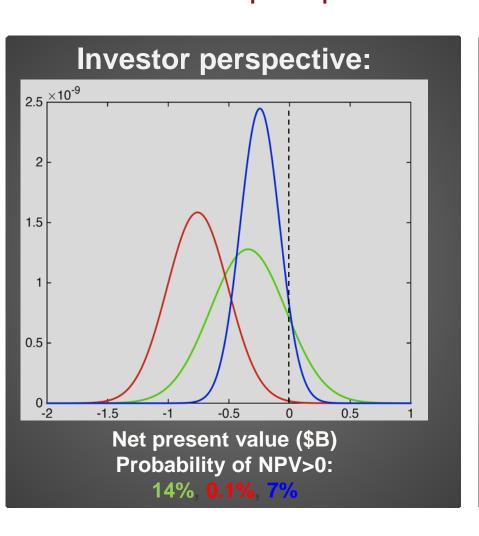


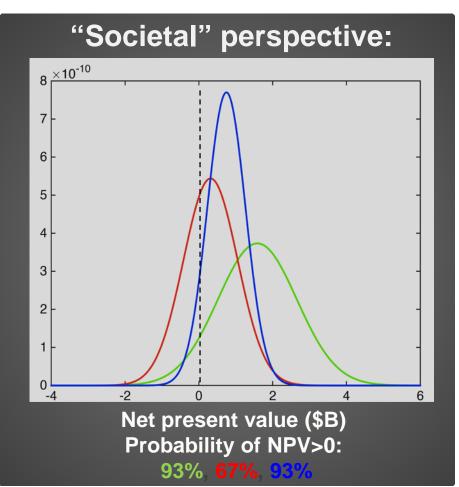
4. Appropriate inclusion of policy environment





5. Capturing differences between investor and societal perspective











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