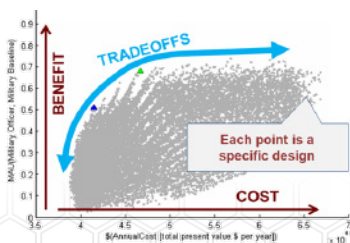


WHAT IS MRLD?

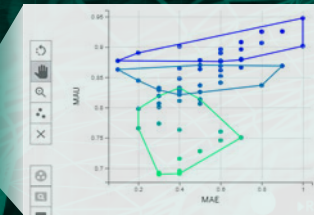
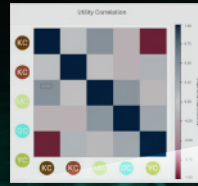
Making Robust Lifecycle Decisions (MRLD, or "emerald") is an intuitive decision analysis software that enables Multi-Attribute Tradespace Exploration (MATE).

MATE is a scalable analytic methodology for multi-criteria, multi-stakeholder decision-making in complex, dynamic, and possible futures. It was developed to address problems in which decision complexity exceeds human ability to easily identify and weigh potential solutions. The methodology uses value-focused thinking approach to define "value" and the value-creating attributes of a potential solution. MATE was built upon 17+ years of research at MIT, 70% funded by the DoD.

Using this methodology, MRLD can leverage existing models and provide insights to complex problems. It connects performance, cost, value, and uncertainty with a set of multiple visualization tools. The tool can be applied to a broad range of analyses in numerous domains.



MAKING ROBUST LIFECYCLE DECISIONS

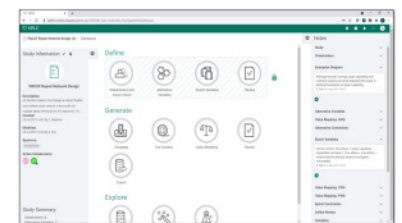


FEATURES

- Web-based tool navigates user through three main phases:
 - 1) Define potential tradespace with a value framework
 - 2) Generate tradespace of alternatives from external models
 - 3) Explore tradespace with dynamic visualizations
- Real-time collaboration across multiple analysts
- Data-supported exploration and analysis of potential alternatives with cost/ benefit metrics and solution characteristics

BENEFITS

- Aligns solutions to stakeholder needs
- Enables comparison of diverse alternatives
- Identifies "best value" solutions over time, contexts, and needs
- Identifies the most difficult scenarios, or highest risk uncertainties
- Reveals insight into complex tradeoffs
- Establishes a shared understanding across stakeholders of the impact their perspectives have on potential solutions



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