



ACQUISITION INNOVATION
RESEARCH CENTER

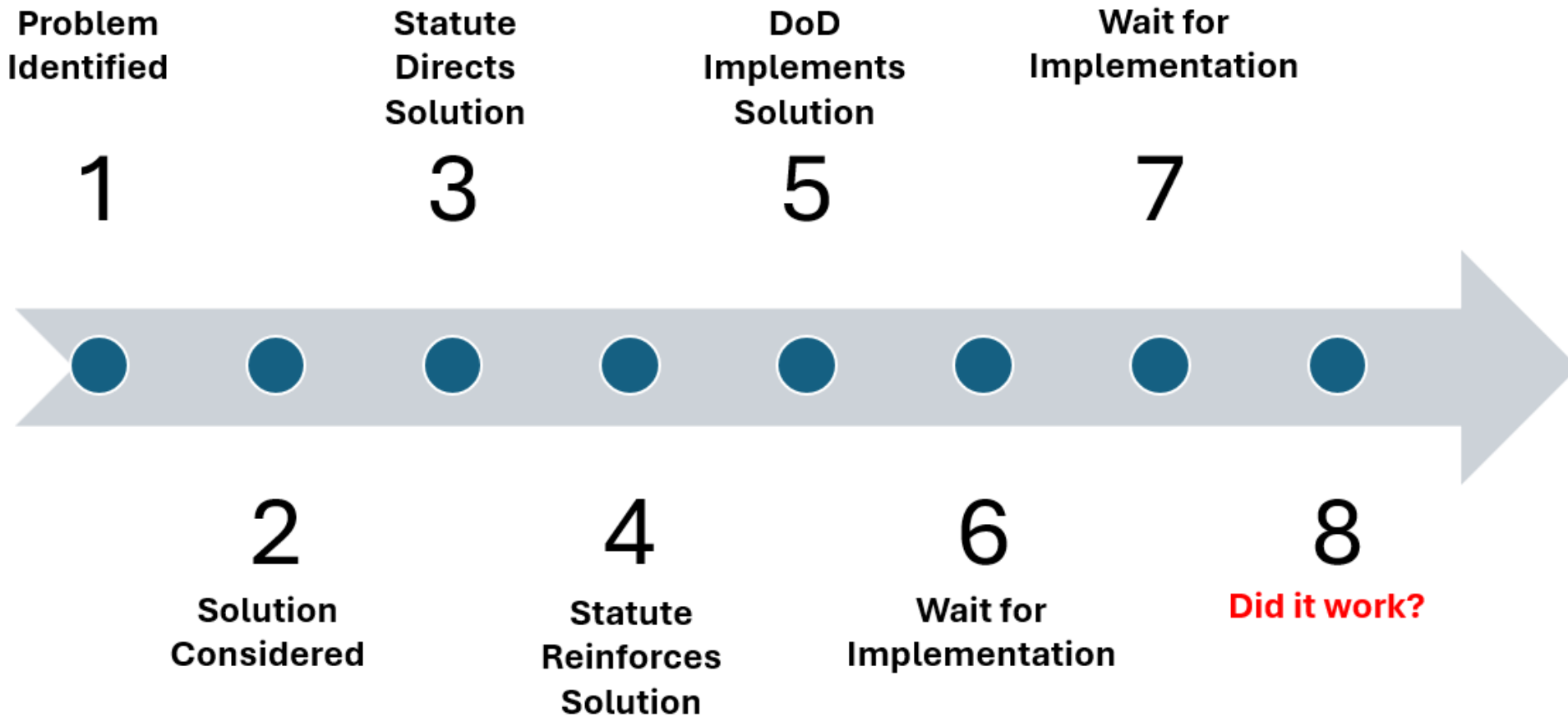


THE POLICY TEST LAB

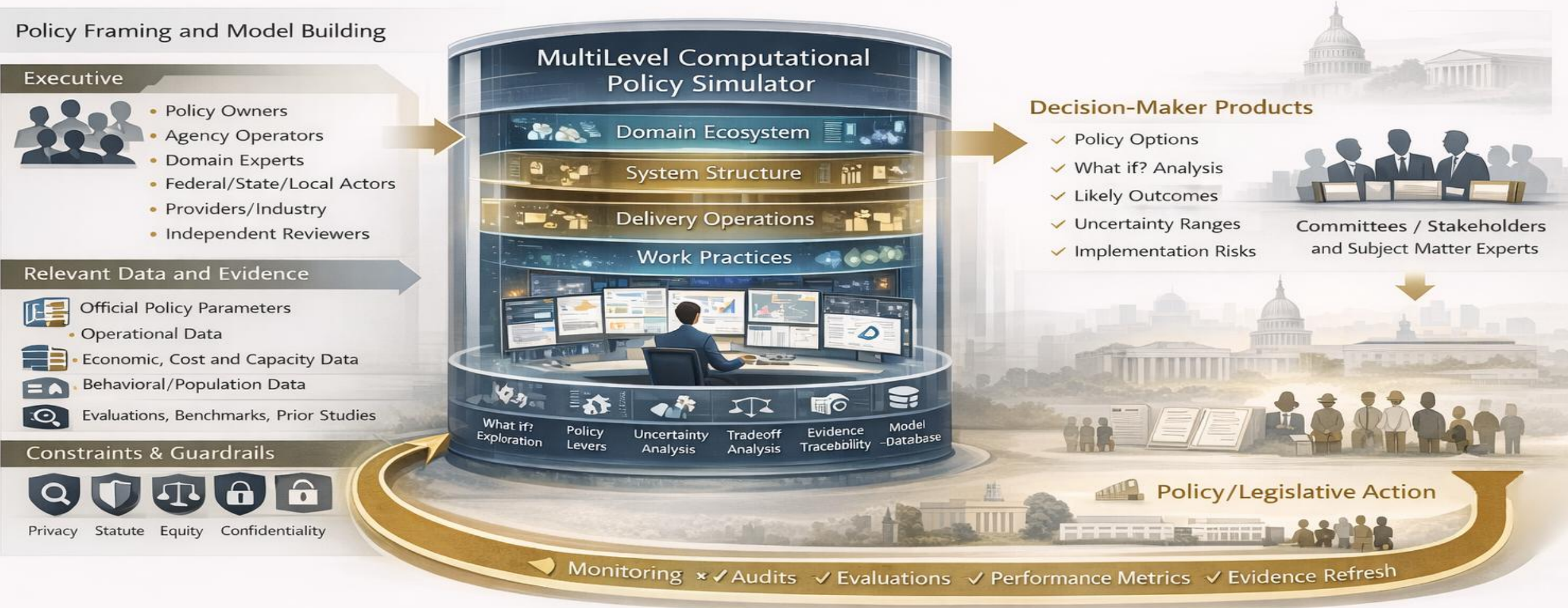
A COLLABORATIVE POLICY SIMULATION DEVELOPMENT ECOSYSTEM

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DoD's Policy Solution Implementation Often Takes Years Assessing Impacts Takes Even Longer



The PTL Should Significantly Shorten this Timeline



Policy Test Lab

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PTL sidebar

PTL Settings Quit

Active Models

Chat Assistant: gpt-5.1
Web Search: gpt-4.1-mini

Chat
Parameters
Models
Research
Results
History

Ask a policy-related question; the buttons appear once the assistant provides a scenario.

Dark Mode

Sessions

Current: Session 2026-03-30 16:10

Load previous sessio

Load + New

Auto-saving enabled

Policy Test Lab – Assistant

Policy Test Lab Chat Assistant

Welcome! I'm your Policy Test Lab assistant. I can help you:

- Describe and analyze policy scenarios
- Research policy topics and stakeholders
- Generate policy test parameters
- Run simulations and analyze results

Type your question or describe a policy scenario below to get started.

Ask the PTL assistant...

System Logs

Example DoD Policy Questions:

- Defense Industrial Based Policy Proposals (e.g. new incentives/penalties, innovation, sustainment cost reduction, buy America first vs NATO partnering, supply chain resilience for raw materials)
- Acquisition Reform Policy Changes Primary, Secondary and Tertiary Effects
- DoD Benefits from American Infrastructure Investments
- Acquisition Approach Decisions: Upgrade Old vs Buy New tradeoffs

Next Steps:

- Increase Model Complexity to Handle Complex Policy Questions
- Model Directly from Data and Validated Pre-existing Models
- Transition the PTL to a CUI Environment
- Associate existing DoD policies in documents with available data (identify gaps)

We'd like to thank our DoD sponsors Mr. Dave Cadman, Ms. Nickee Abbott and Ms. Anne Twist for the support to build the PTL.

For ideas on the what the tool needed to do included the following advisors: Dr. Dinesh Verma, Dr. Phil Antón, Tom McDermott, Valeri Sitterle, Stephanie Halcrow, Dr. Arun Seraphin, and Moshe Schwartz.

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BACKUP

Mission Statement

The purpose of the policy test lab is to provide Congressional and DoD stakeholders credible, empirically-based estimates of the outcomes, to include benefits and costs, of proposed statutes, regulations, and policies. The policy test lab should consider incentives, the need for adequate accountability, and the costs of compliance and oversight as well as the desire to promote greater integration of the defense and commercial sectors – a key imperative if DoD wishes to maintain a viable national industrial base response to national security requirements.

Goal Statement

AIRC aims to develop a collaborative policy test development ecosystem that supports the rapid development of system dynamics, discrete event and/or agent-based models that can be calibrated using available data to fulfill the mission statement.