CONDITIONS FOR CHANGE

Understanding the Variables for Successful Policies in Advanced

Manufacturing

Nicholas Stubblefield

Problems

- ☐ Indicators
- ☐ Feedback
- ☐ Focusing Events

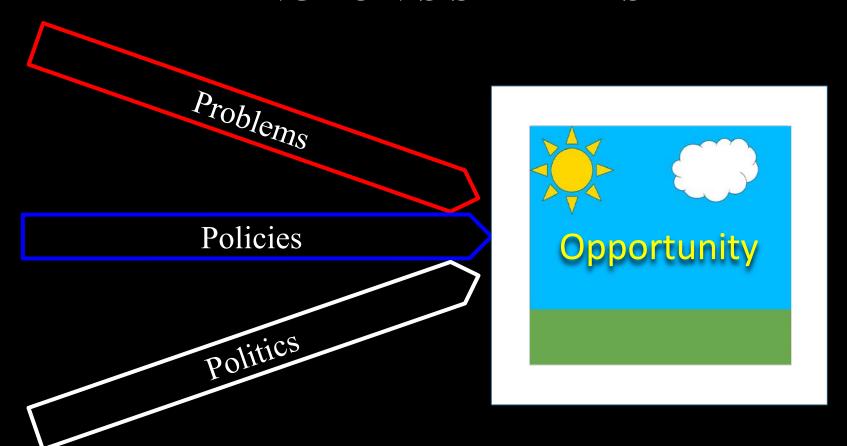
Problems

Policies

☐ Existence of
Alternatives and
Ideas

PolicyEntrepreneurs

☐ Who's involved? **Problems** ☐ Majority Party □ Polarization ☐ National Mood Policies **Politics**



Advanced Manufacturing: PROBLEMS

- ☐ Indicator: Unemployment in Adv. Manufacturing and steady decrease in productivity
- ☐ Indicator: US demotion to world's second largest manufacturer
- ☐ Chinese superiority
- ☐ Salience? Feedback?



Figure: Manufacturing value-added by largest global manufacturers. Sources: United Nations and MAPI Foundation.

Advanced Manufacturing: POLICIES

- ☐ Conferences and think tanks craft policies
- ☐ Who are adv. Manufacturing's policy entrepreneurs?







Advanced Manufacturing: POLITICS

- ☐ Dramatic, publicly perceived polarization between parties
 - Hostile political environment



President Trump has ordered federal agencies to eliminate at least one-third of their non-statutory advisory committees created under the Federal Advisory Committee Act. Many science agencies use such committees as a mechanism for liaising with the research community.

IMPACTING SCIENCE POLICY