CONDITIONS FOR CHANGE

Understanding the Variables for Successful Policies in Advanced Manufacturing

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KINGDON’S STREAMS

Problems

- Indicators
- Feedback
- Focusing Events
KINGDON’S STREAMS

- Problems
- Policies

- Existence of Alternatives and Ideas
- Policy Entrepreneurs
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Problems

Policies

Politics

- Who’s involved?
- Majority Party
- Polarization
- National Mood
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Problems

Policies

Politics

Opportunity
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

Trump Order Requires Science Agencies to Cull Advisory Panels

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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