Update on Future *Indicators*: 2020 and Beyond

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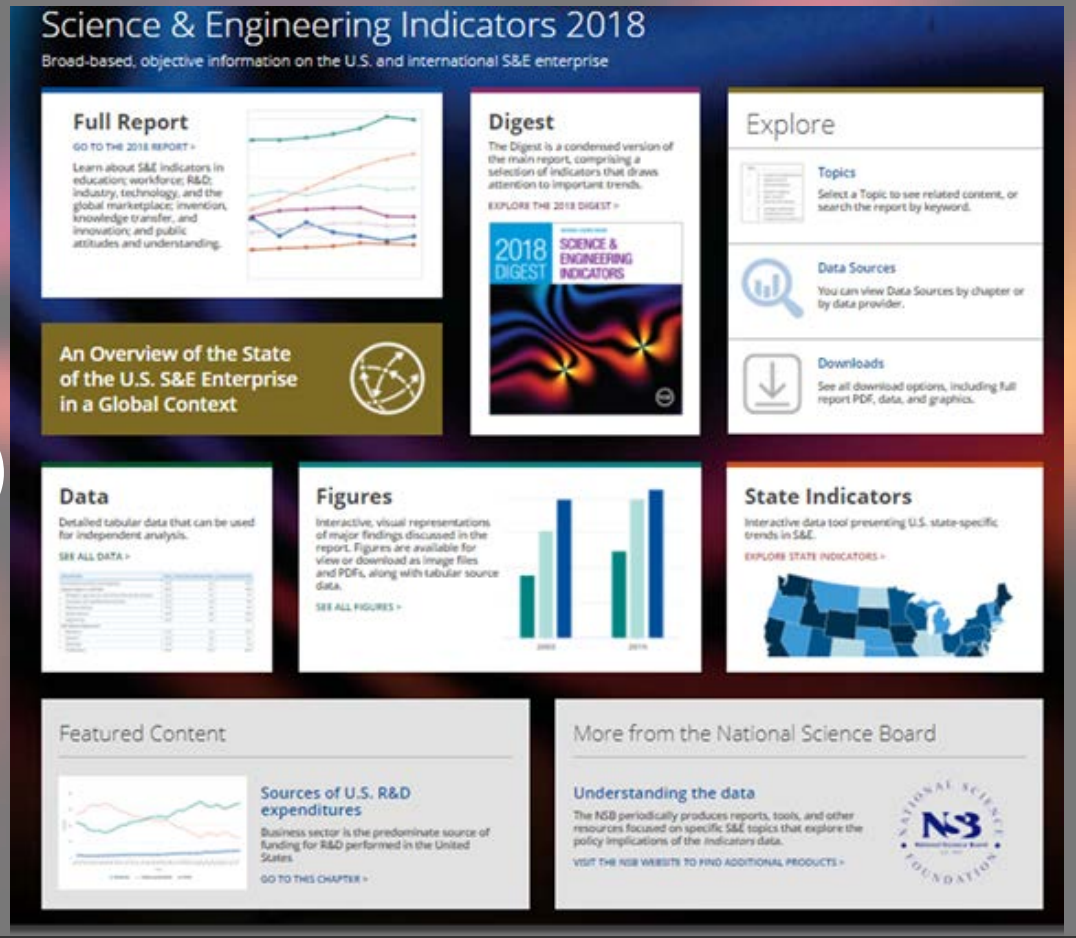
Guiding Principles for Re-imagining *Indicators*

- Statute: "a report on indicators of the state of science & engineering in the United States" to Congress and the President by January 15 of even-numbered years
- Maintain high-quality data and analyses
- Improve user experience
- Statutory Report – Digest/Overview (or similar)
- Production and review efficiency and sustainability for NCSES & NSB



Vision for Re-imagined *Indicators*

1. The State of Science and Engineering in the U.S.

- Digest/Overview-like report
- Statutory mandated delivery on January 15th of 2020

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2. Thematic Reports on the S&E Enterprise

- Produced on a "flow basis"

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3. Special Analytic Reports Prepared by NCSES

- After 2020; new indicators, emerging issues

4. NSB Policy Reports

- Staggered thematic reports enhance frequency and continuity

Components of Re-imagined *Indicators*

Box 1. The State of Science and Engineering in the U.S.

- **Statutory delivery**: January 15, 2020
- Digital and print
- Short report; selection of important indicators
- Narrative text with compelling data presentation
- **Initial work** by NCSES
  - Prototype development
  - After NCSES feasibility assessment, distribute for Board review

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Components of Re-imagined *Indicators*

Box 2. Thematic Reports on the S&E Enterprise

- **"Flow" basis** (not tied to statutory date); synchronized with data availability
- Developed by NCSES (with Board guidance)
- Digital; policy relevant, policy neutral
- Streamlined versions of current topical chapters
- Scalable
- **Initial work** by NCSES
  - Topic organization and coverage options for 2020
  - Assessing feasibility of digital dissemination on "flow" basis

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