

May 7, 2013

Recommendations for the America COMPETES Act 2013 Reauthorization

Presenters:

Robert Atkinson, President, ITIF

Stephen Ezell, Senior Analyst, ITIF

Respondents:

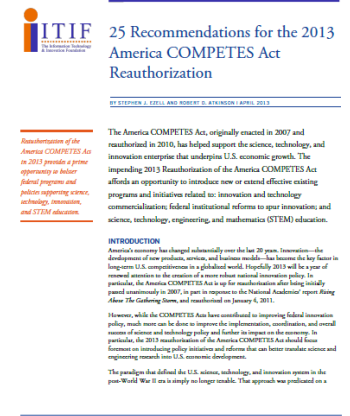
Taffy Kingscott, Director, Global Strategic Partnership, IBM Research

Scott Doron, Director, Southern Technology Council

Morgan Reed, Executive Director, Association for Competitive Technology

■ Principles of America COMPETES Reauthorization

1. Increased R&D funding is necessary but not sufficient; institutional reform is also needed.
2. The prevailing linear innovation approach is incomplete.
3. Not all scientific research funding is created equal.
4. Not all students will become scientists/engineers.



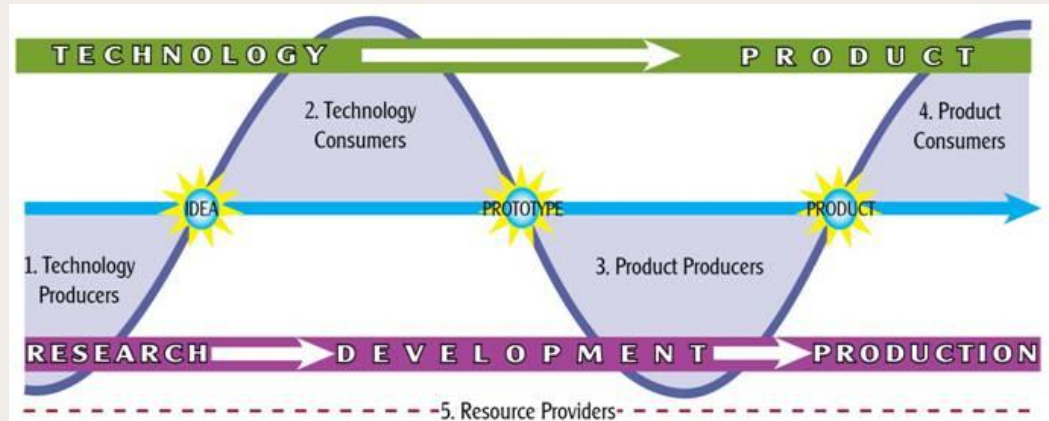
■ Bring Industry & Universities Closer Together

- Create a university-industry collaborative R&D credit.
- Designate 20 manufacturing universities.
- Fund joint government-industry STEM Ph.D. fellowships.



■ Spur Technology Transfer and Commercialization

- Create a Spurring Commercialization of our Nation's Research (SCNR) Program.
- Add more weight to technology transfer in the National Labs PEMP's.
- Support the National Network for Manufacturing Innovation



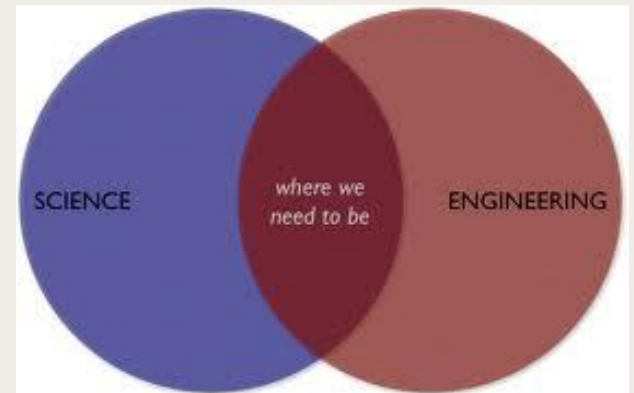
■ Encourage Experimentation

- Fund pilot programs supporting experimental approaches to technology transfer and commercialization.
- Offer planning grants for regions to create alternative types of STEM high schools/universities.
- Provide prizes to colleges and universities doing best at retaining STEM students.



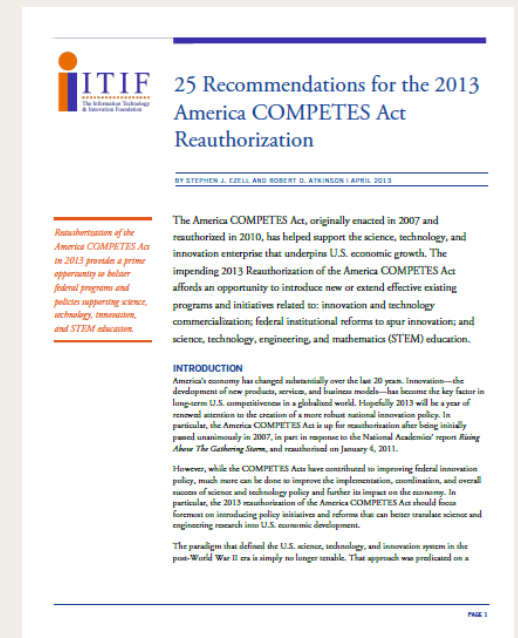
■ Better Link Science to Engineering & Innovation

- Create a National Engineering and Innovation Foundation alongside NSF
 - Or change NSF's name to NSEF.
- Increase funding for CISE, engineering, and math, physical, and biological sciences at faster rates.
- Increase funding for ERCs & I/UCRCs.



■ Conclusion

- COMPETES Reauthorization should focus on better translating S&T development into economic development.
- COMPETES should not be approached on a “pay-go” basis.



Thank You

Robert D. Atkinson ratkinson@itif.org
Stephen Ezell sezell@itif.org

Follow ITIF:



facebook.com/innovationpolicy



www.innovationfiles.org



www.youtube.com/techpolicy



www.itif.org



[@RobAtkinsonITIF](https://twitter.com/RobAtkinsonITIF)

