

STRATEGIC IMPERATIVES



NQIAC Duties

- Advise and make recommendations for improvements to the NQI Program
- Conduct independent assessments of
 - (A) trends or developments in QIST;
 - (B) progress made implementing the Program;
 - (C) management, coordination, implementation, and activities of the Program;
 - (D) if activities, goals and priorities maintain U.S. leadership in QIST;
 - (E) if need exists to revise the Program;
 - (F) opportunities for international cooperation on QIST R&D and standards
 - (G) if national security, societal, economic, legal, and workforce concerns are adequately addressed by the Program.



What are we missing in our long-term thinking? Discussion:

1. Science
 - *Are we focusing on the right, hard problems while leaving enough room for exploration and surprise?*
2. Infrastructure
 - *Are we taking advantage of the nation's resources (people, facilities, partnerships) sufficiently?*
3. Workforce
 - *Are we producing the right skillsets and amount of talent and how do we modulate this over time?*
4. Industry
 - *How do we ensure commercial applications will thrive and that good careers exist long-term?*
5. Economic and Security Implications
 - *How do we protect US investments in this technology while still being fast/first?*
6. International Cooperation
 - *What are we missing in our international collaborations?*



Next Steps

- Immediate need: provide feedback on National Strategy for QIS
- Consider from these 6 directions
- Deliberate on the information you've learned today and additional materials from the USG and Agencies in smaller groups
- Represent the national interest while providing your unique perspective

