Global Institute on Emerging Technology Policy

Context
- Emerging technologies:
  - Are enabling technologies
  - Provide a platform for innovation
  - Transcend conventional science and technology boundaries
  - Represent new and enhanced ways to use/add functionality/add value to raw materials
  - Do not conform to conventional paradigms for technology innovation and implementation
  - Have the potential to have a radical impact on global challenges

Opportunities
- Economic stimulus—providing new ways of adding value to basic (raw) materials
- Problem-solving—providing new solutions to national and global challenges

Challenges
- Working effectively across traditional boundaries (scientific, organizational, national)
- Re-thinking effective technology development and technology transfer
- Predicting, assessing and avoiding adverse consequences

Bottom line
- New and innovative policies are needed at the international, national, corporate and institutional level to foster and manage the effective and sustainable development of emerging technologies

Breakthrough Idea
- A Global Institute for Emerging Technology Policy
- Aim:
  - Supporting long-term science-based decision-making that will ensure the greatest social and economic benefits of emerging technologies, while minimizing adverse impacts.
- Operating principles:
  - Science-based
  - Non-advocacy
  - Non-partisan
  - Providing support to decision-makers from the local to the global level
- Relevance/Impact:
  - Development of new solutions to the new challenges and opportunities presented by emerging technologies
  - Effective use of emerging technologies in addressing challenges of national and global importance
  - Support for effective sustainable commercialization of emerging technologies
  - Enhanced local and global awareness of emerging technology issues and opportunities, that will underpin successful communication and engagement of stakeholders