



# The Future of Food: Globalizing Access to Technologies

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*Harnessing eBeam Technology for Cleaning, Healing, Feeding, and Shaping this World and Beyond...*  
*an International Atomic Energy Agency (IAEA) Collaborating Center for Electron Beam Technology*

# *National Center for Electron Beam Research*

*Harnessing eBeam Technologies for Cleaning, Healing, Feeding, and Shaping this World and Beyond.....*

*Cleaning : Environmental remediation*

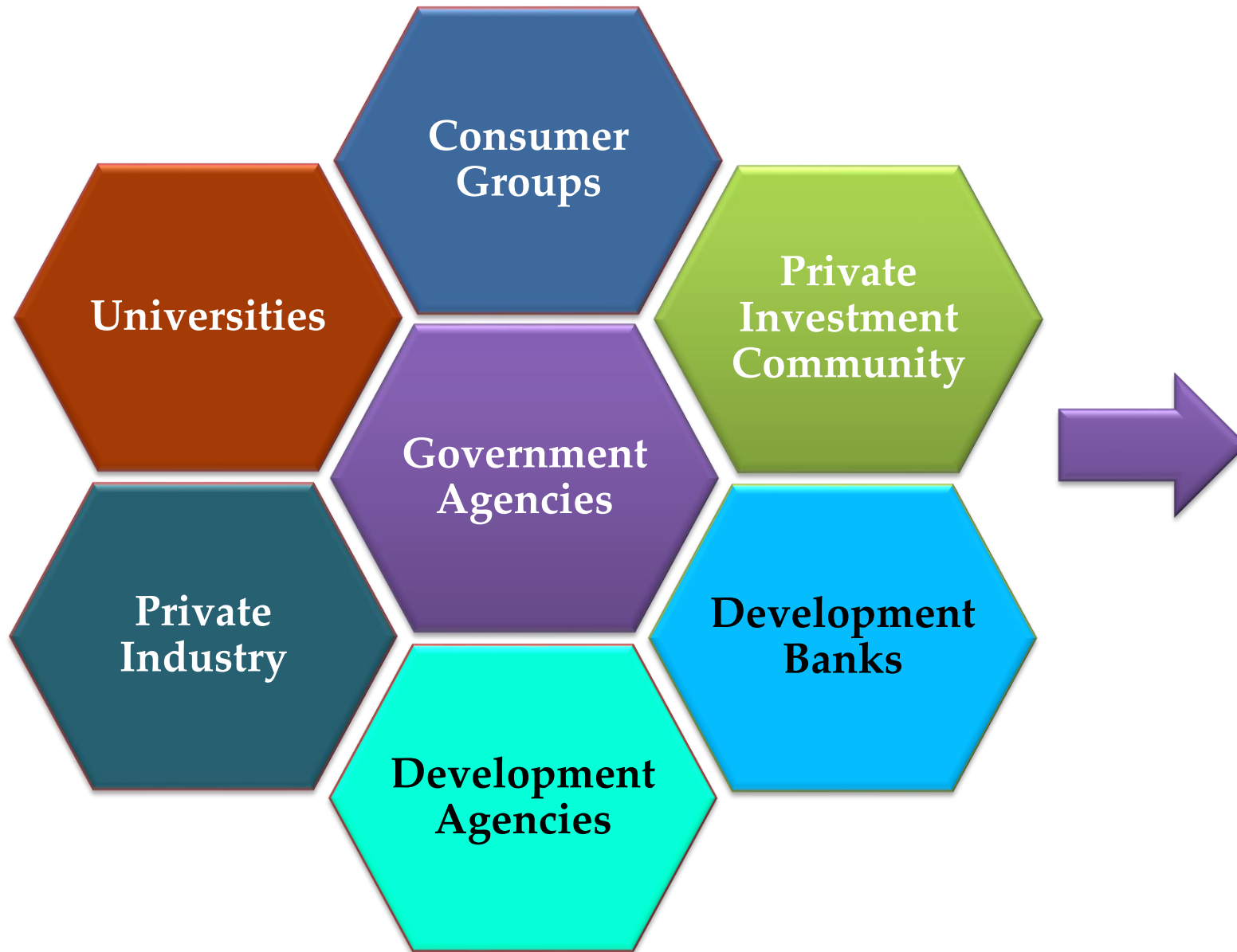
*Healing: Novel therapeutics*

*Feeding: Food security and food safety*

*Shaping: Develop bioplastics and novel polymers*

*..and Beyond: sterilization and disinfection solutions for government and private space industry needs for short and long-duration space missions*

# Realizing the Vision



**Expressly built to be profitable**

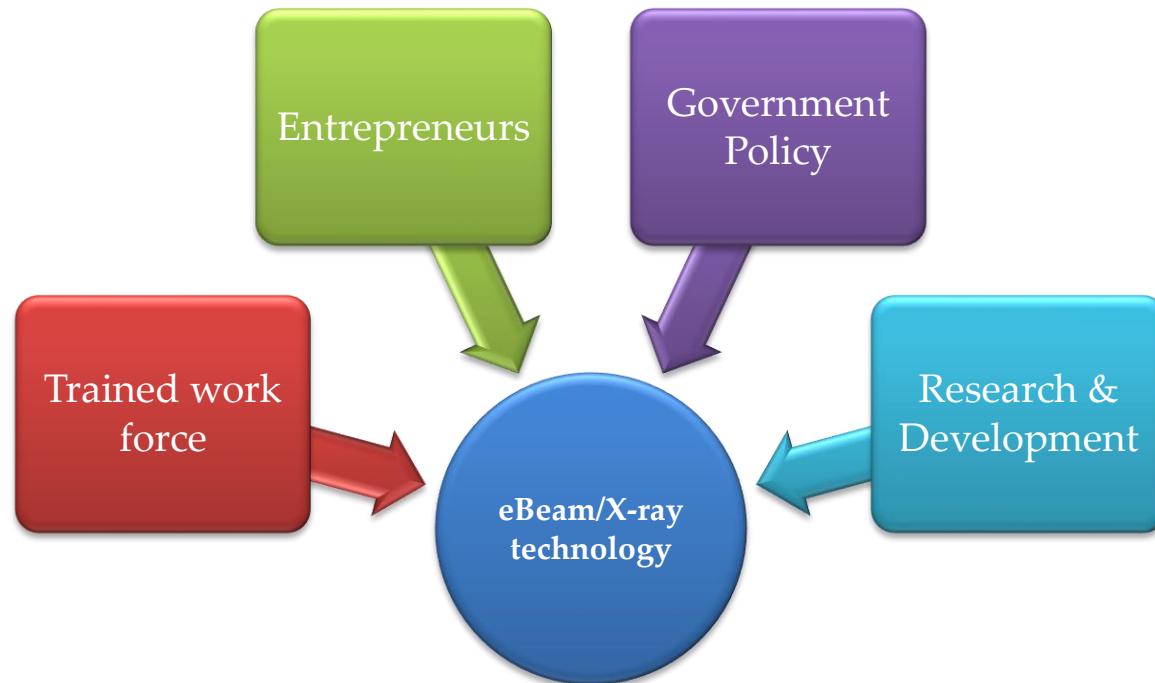
**Expressly built to spur economic development**

- industrial products
- agricultural products
- Exports

**Expressly built to support R&D as well**

# Approaches to Technology Adoption

- *Should never parachute this technology into the country*
- *Should develop an ecosystem that extends far beyond just the technology*





# Food Safety and Food Security



Crop mutation/SIT/  
Enhanced seed germination

Sorting/grading



Microfinance/other loans

Bioplastics/enhanced packaging Packaging businesses



Microfinance/other loans



Microfinance/other loans



Warehousing of packaged foods/cereals



Microfinance/other loans

Public-Private Partnerships

eBeam/X-ray facility



- Government
- Private Investors
- Investment Banks
- Private Equity Firms
- Venture Capital Groups

# Strategic Partnership

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*Accelerate the transition from the use of radioactive sources to machine sources*

- *Unleash private investments in the technology*
- *Sustainable economic prosperity*
- *Safe, secure access to nuclear technologies*