The emerging knowledge economy and building winning formulas for higher education

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Pakistan

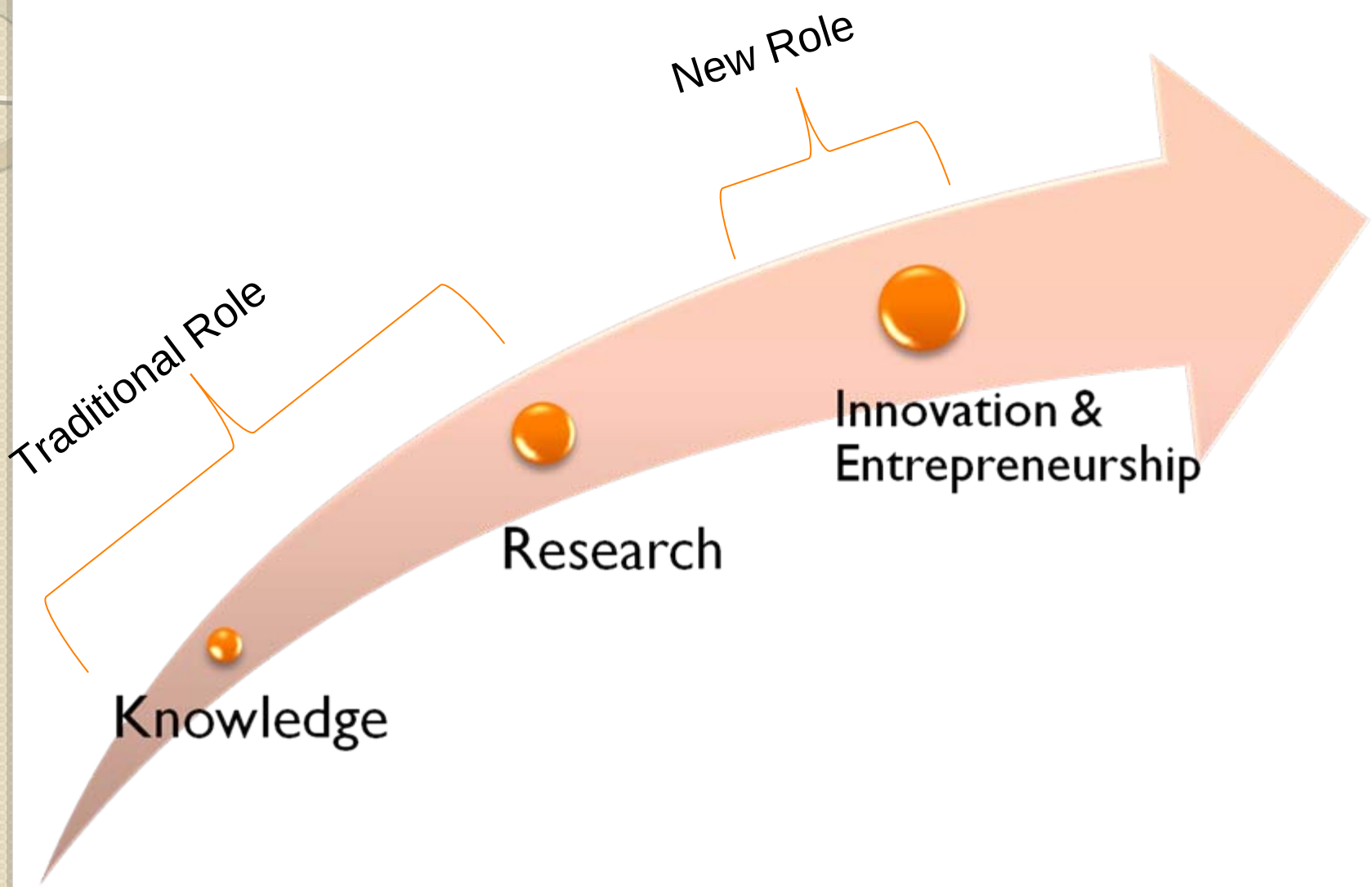
HIGHER EDUCATION, RESEARCH, INNOVATION AND ENTREPRENEURSHIP

- World Bank identifies Education and Skilled Force, ICTs and Innovation as three of the 'four pillars' of Knowledge Economy.

- World Economic Forum Global Competitiveness Report 2010-11 'twelve pillars' include Higher Education and Training as 5th, Technology Readiness as 9th, and Innovation as the12th pillar of Competitiveness.

- Universities are the single most important producers of knowledge and research that leads to innovation and entrepreneurship.

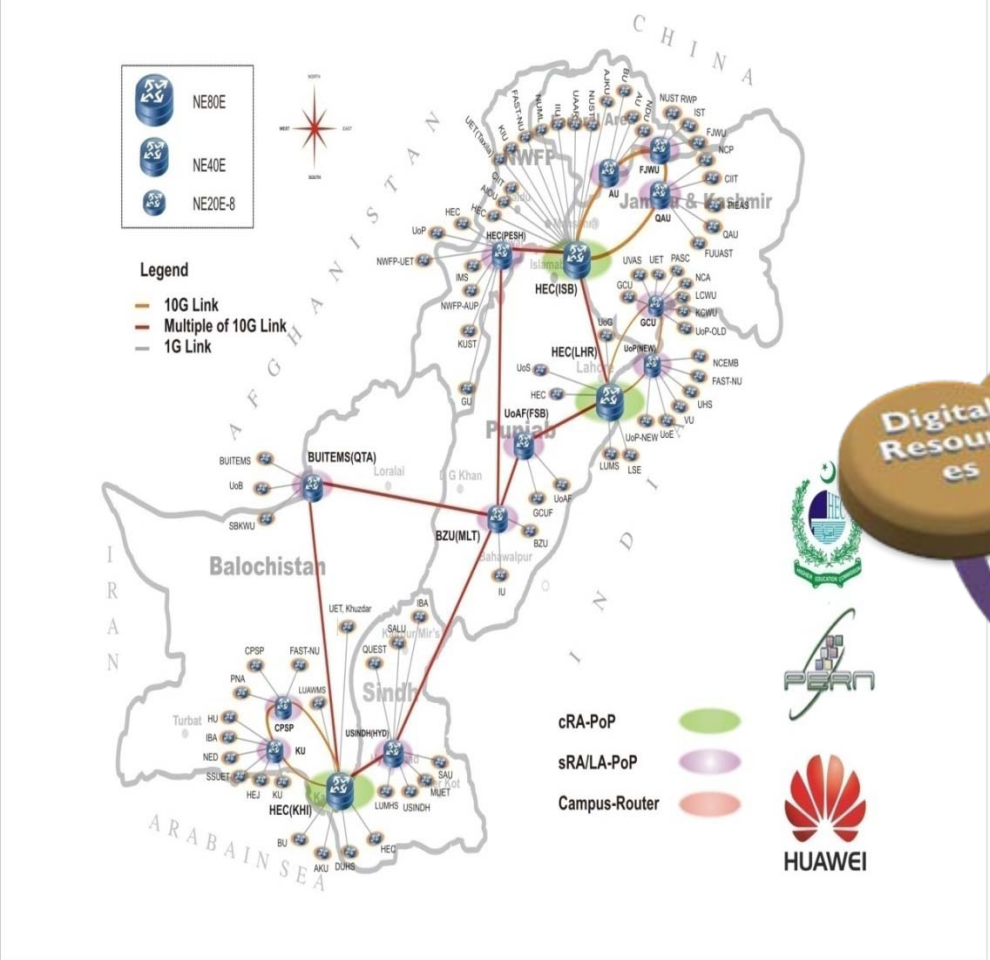
Shifting Role of HEIs



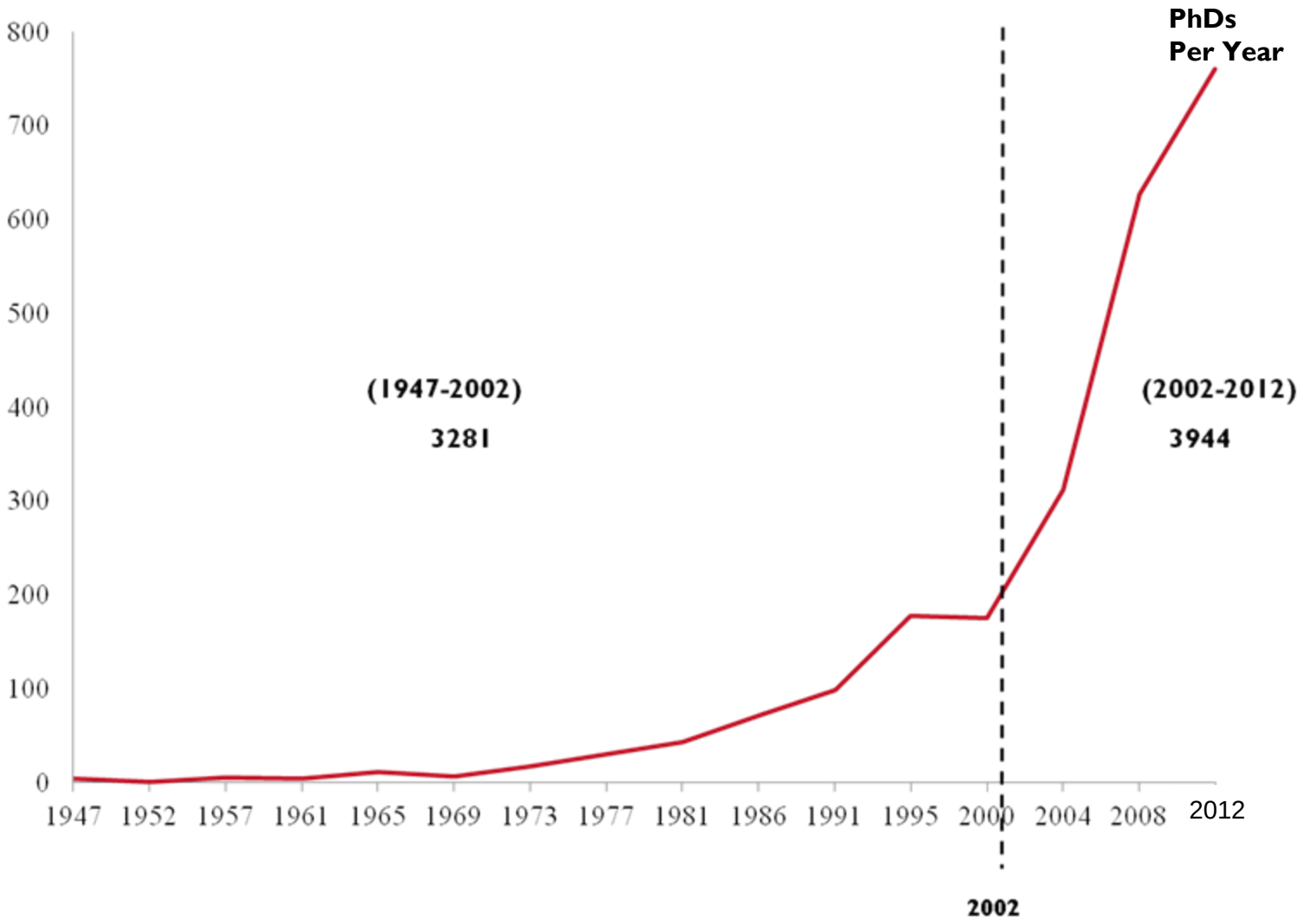
SOCIO-ECONOMIC TRANSFORMATION

Strategic Thrusts

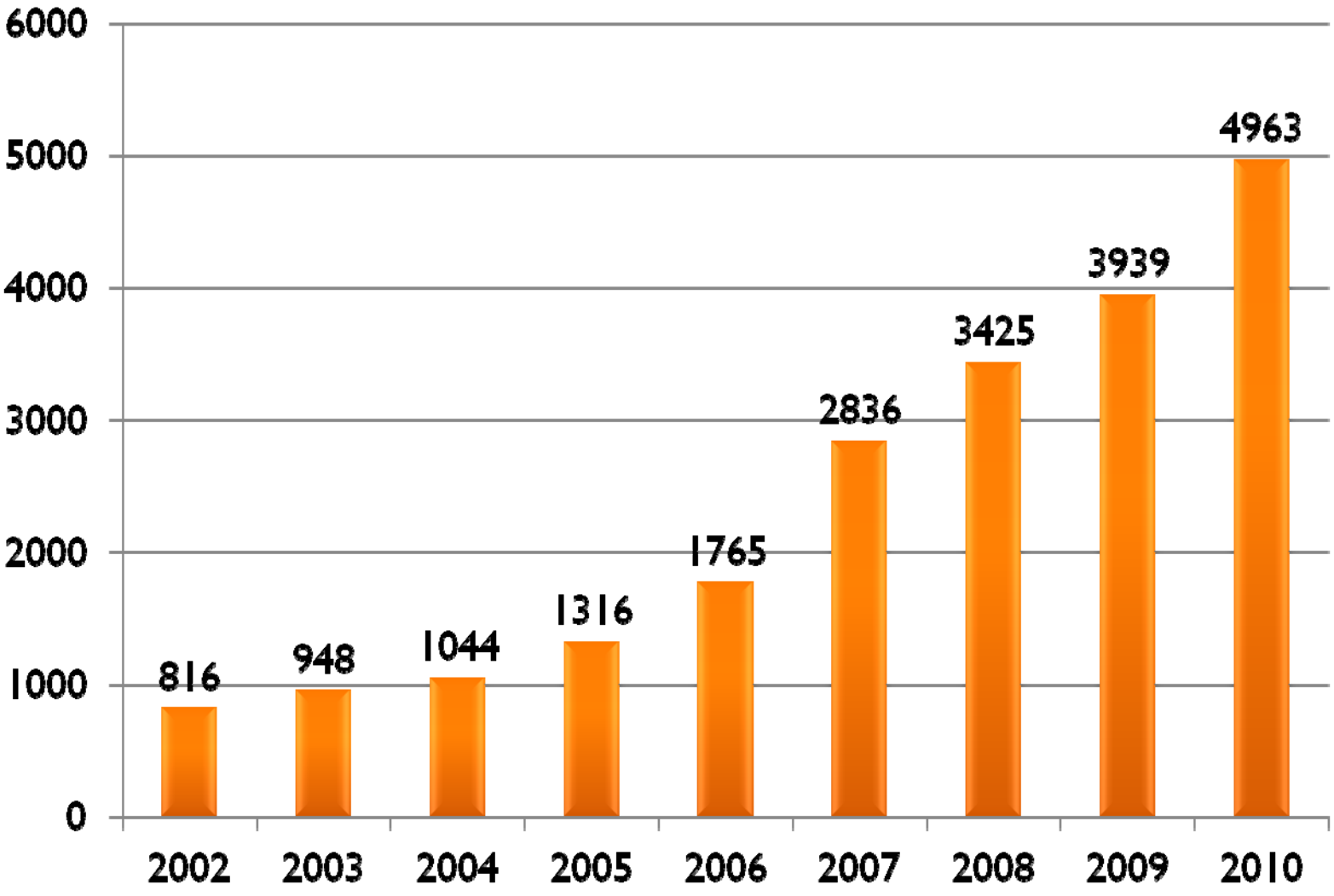
Technology Readiness



Focus on Research and Innovation



Increased Research Output



Spirit of Entreprenuership

New Challenges for Pakistan

- Paradigm Shift: Realization of Importance of Innovation & Entrepreneurship
- Offices of Innovation, Research and Commercialization
- University-Industry Linkages
- Market Research and focus towards Industry problems
- Transformation from Lab-scale to Commercial Projects
- Transfer of Knowledge, Research & Innovation
  - Incubators
  - Centers for Innovation & Entrepreneurship
  - Technology and Science Parks

Pakistan's Initiatives

- Five B & T Incubators established (six more in approval phase)
- Ten ORICs established (twenty more to be established in next two years)
- Three Advanced Study and Research Centers (Energy, Agriculture, Water) in design stage
- One Technology Park on the anvil

Thank you