

Non-science benefits of SKA

**The expected technological and
socio-economic impact of the
SKA**

Themes

- Information, Communications and Remote Sensing Technologies
- Remote, 'green' energy supply
- Global science-industry-government linkages driven by the SKA
- Human capacity building: the potential role of the SKA in science education and awareness and boosting the SET work force

Schedule

- Parallel Break-out Groups including theme leaders keynote presentation
 1. Today: 14.45 – 17.00
 2. Tomorrow: 9.30 -12.00
- Report back from Theme Leaders followed by Panel Discussion and Q & A
 1. 13.00 – 14.20 Theme leaders' reports
 2. 14.20 – 15.15 Panel Discussion and Q & A

Pasteur's Quadrant

Applied and Basic Research

		Considerations of use?	
		Yes	No
Quest for fundamental understanding?	Yes	Pure basic research (Bohr)	Use-inspired basic research (Pasteur)
	No	-	Pure applied research (Edison)

Mega-Science Infrastructures

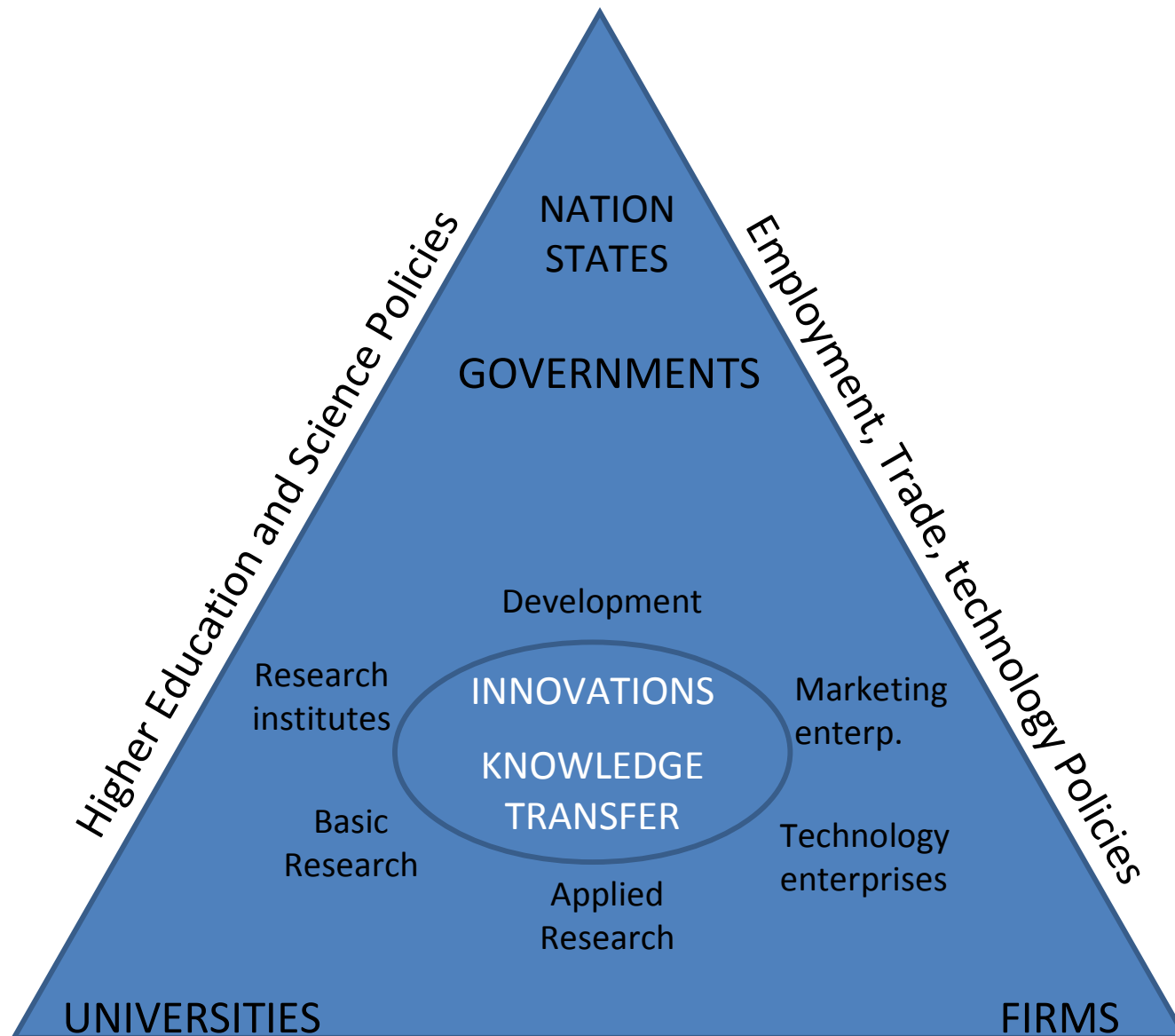
- Potential:
 1. To seed or boost technological learning,
 2. Drive capability development,
 3. Provide economic and social benefits and
 4. Stimulate market gains.

Global non-science SKA benefits map

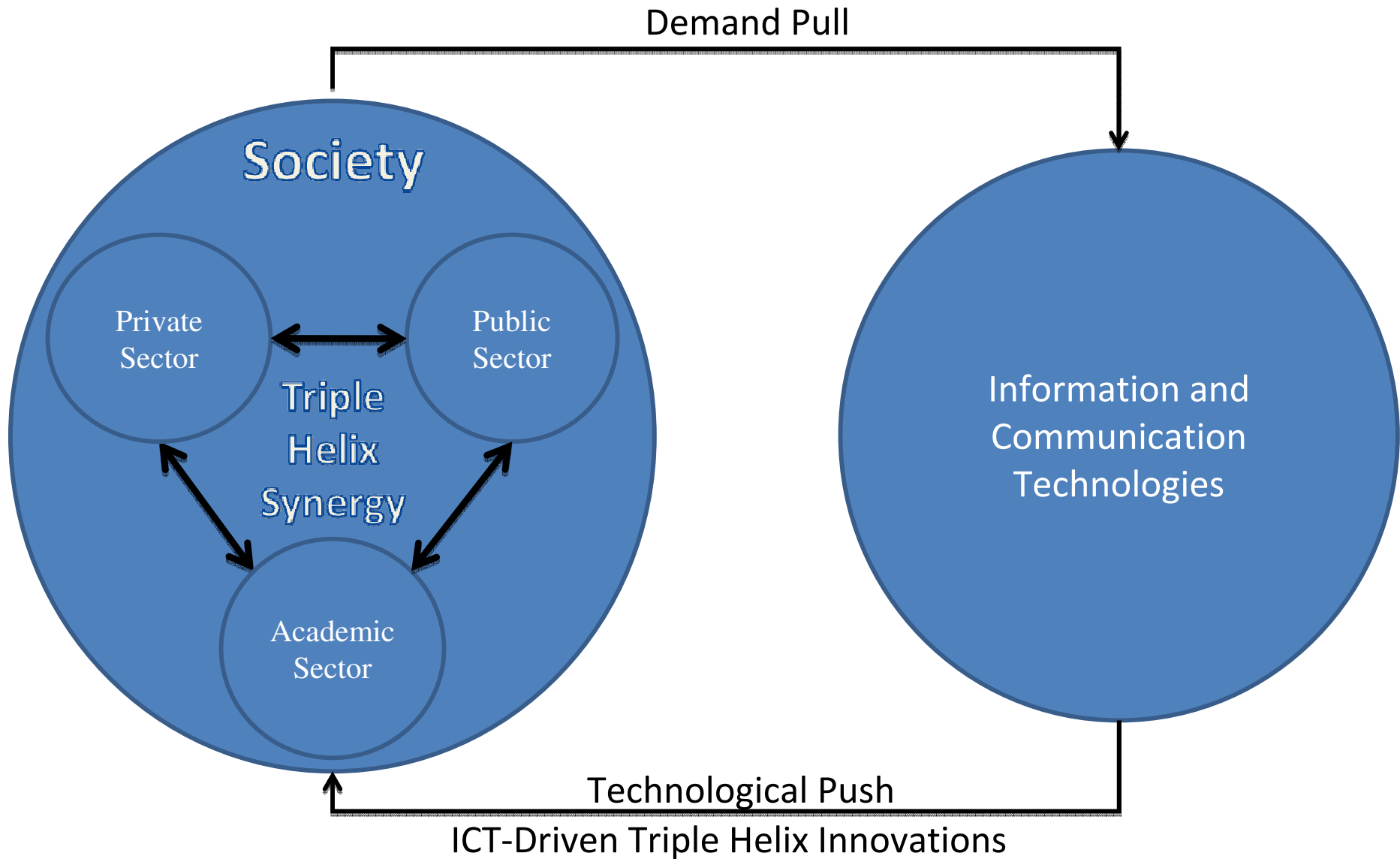
Version 1 compiled by John Humphreys



Triple Helix Model



ICT-driven Triple Helix Innovations



So need to highlight..

- Economic, Environmental, Social, Technological, Legal and Political potential outcomes
 - Direct and indirect benefits
 - Tangible and intangible impacts
 - Short, medium and long term time frames
 - _ Potential channels of impact