

"Turning knowledge into value ..."

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A changing academic perspective? Or Back to the Future

- The age of the Challenger Expedition
- A brief history of IUSS/SOSUS/SURTASS
- The quest for knowledge
- Broader Impacts

H.M.S. CHALLENGER UNDER SAIL, 1874.

Trends

- Government demands for ROI will increase
- Pace of tech innovation is driven by sectors outside of the science community (from MilSpec to Microsoft)

New paradigms

- Commingled public and private funding
- Crowdsourcing and “citizen science”
- Open source technology
- Commoditized education and training
- Ad hoc networks of scientists and technologists
- “Research by the pound”

Whither the future?

- Will the TRL /6.1-6.7 concept be sustained?
- Will academic research become increasingly beholden to industry?
- Will hypothesis-based research become obsolete?
- Will peer review collapse under its own weight?
- Is the importance of physical place vanishing?
- What becomes of exploration, monitoring and observations?

Thank you