



# New Professions and Skills for e-Infrastructure

*Professor Anne E Trefethen*

# Deluge!!!

*Courtesy of Christine Borgman*

## Data!!

Scientists

Social Scientists

Humanists

Publishers

Funding agencies

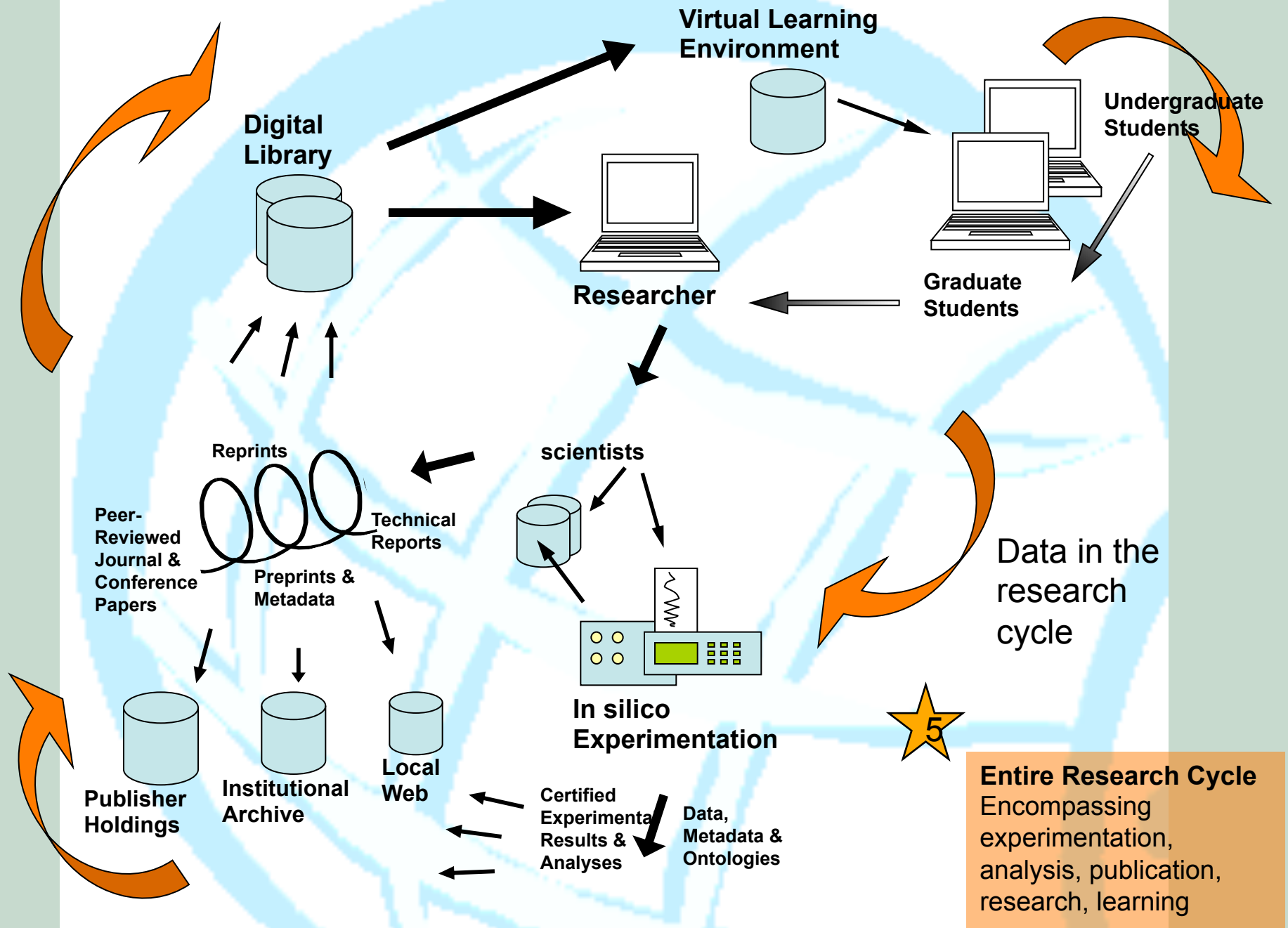
Policy makers

Librarians

Publishers

Internet architects





**Entire Research Cycle**  
Encompassing  
experimentation,  
analysis, publication,  
research, learning

(Courtesy of Liz Lyons)

# Why does e-Infrastructure lead to new skill requirements?

- New capabilities in what can be achieved
- Continuing changing environment
- Synergy with research discipline requires translators and integrators



# Embedding capabilities

- Training for graduate students – UK Doctoral Training Centres
- Learning through experience
- Reward and recognition for interdisciplinary “support” functions
- Some areas need more – data stewardship and governance for example.



# Leveraging across institutions/nations

- Let's learn from each other
- Share best practice
  - Policy
  - Roles
  - Training & development tracks
- More circulation of students/staff across projects/institutions

