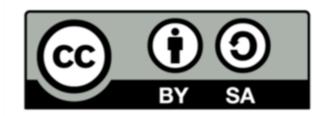
Technology, Community, & Technology Stewardship

ENSE 805 with Tim Maciag







Outline

- Technology and its history
- Technology and community
- Technology stewardship & activity

- Kevin Kelly, "Technology's Epic Story" (2009)
 - https://www.ted.com/talks/kevin kelly tells technology s epic story#t-122724

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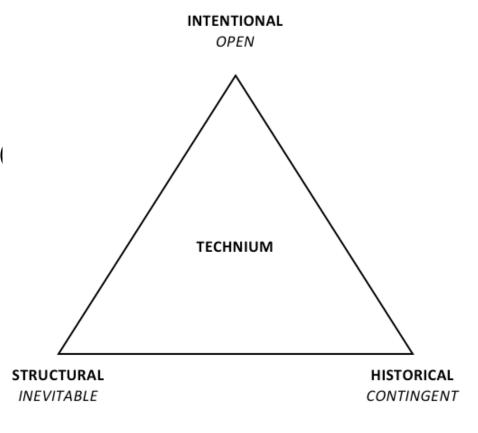
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- What does technology want? (maps to what life wants)
 - Increasing efficiency
 - Increasing opportunity
 - Increasing complexity
 - Increasing diversity
 - Increasing ubiquity
 - Increasing evolvability (hackability) ...etc...

K. Kelly. What Technology Wants. Penguin Books. 2010

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- It's a social exploration



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Technology as material substance



Technology as material substance





Technology as material substance





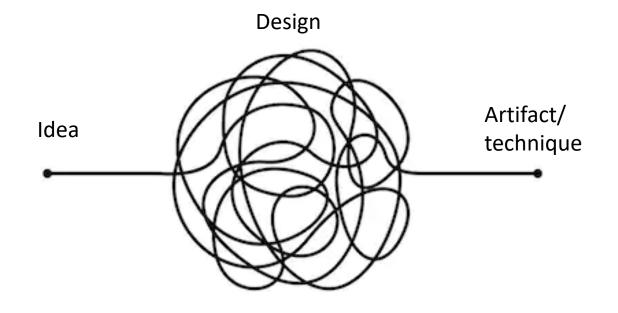


- Technology as material substance
- Technology as knowledge
 - Artifacts





- Technology as material substance
- Technology as knowledge
 - Artifacts
 - Layton's model of technology



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- Technology as material substance
- Technology as knowledge
 - Artifacts
 - Layton's model of technology
- Technology as practice



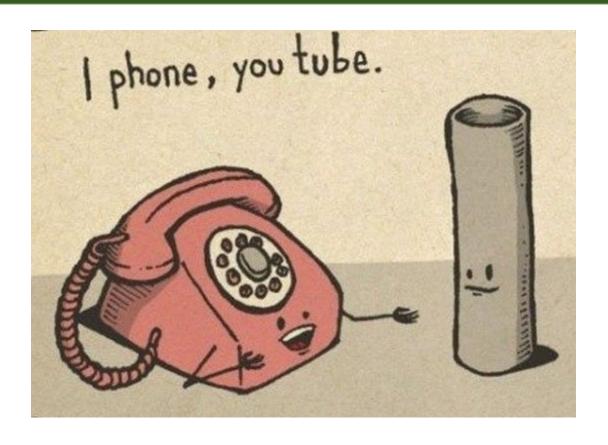
- Technology as material substance
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 - Artifacts
 - Layton's model of technology
- Technology as practice
- Technology as society
 - Pierson article (2017)



Postal mail



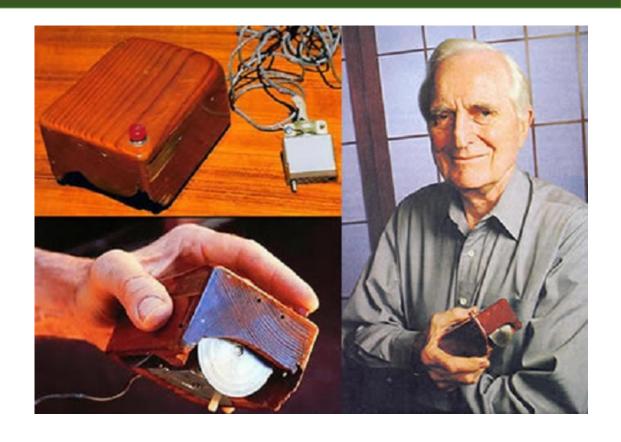
- Postal mail
- Telephone



- Postal mail
- Telephone
- ARPANET



- Postal mail
- Telephone
- ARPANET
- Douglas Engelbart Mother of All Demos



- Postal mail
- Telephone
- ARPANET
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- Email



- Postal mail
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- PLATO



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- Electronic Information Exchange System (EIES)



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- Electronic Information Exchange System (EIES)
- Bulletin boards & email lists



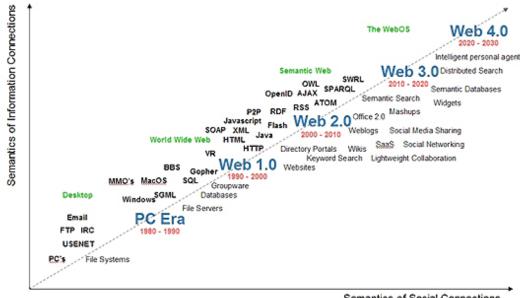
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- Usenet
- The Word Wide Web (1.0 and 2.0) & Wiki
- Linked data, AI, & the intelligent web (Web 3.0/4.0)



Semantics of Social Connection

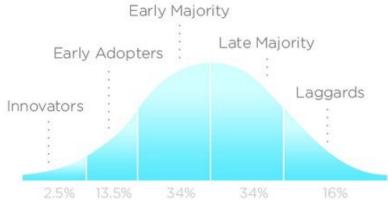
N. Spivack. Web 3.0: The Third Generation of the Web is coming (unknown date). Online: https://lifeboat.com/ex/web.3.0 (Accessed Aug 2019)

Technology & society



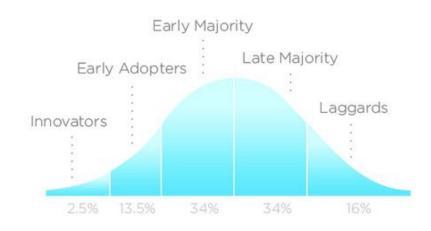
Technology & society





[•] Interaction Design Foundation. Understanding Early Adopters and Customer Adoption Patterns. (2019). Online: https://www.interaction-design.org/literature/article/understanding-early-adopters-and-customer-adoption-patterns (Accessed Aug 2019)

- Technology & society
- Tech stewards





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- Technology & society
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- Difference between operational IT support



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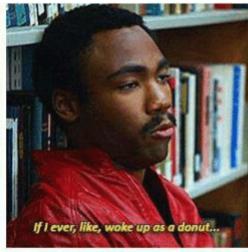
- Technology & society
- Tech stewards
- Difference between operational IT support
- It's a team sport



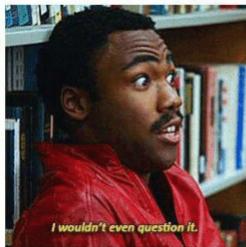
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Community understanding







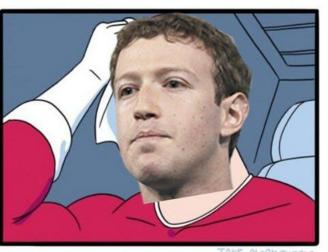


- Community understanding
- Technology awareness

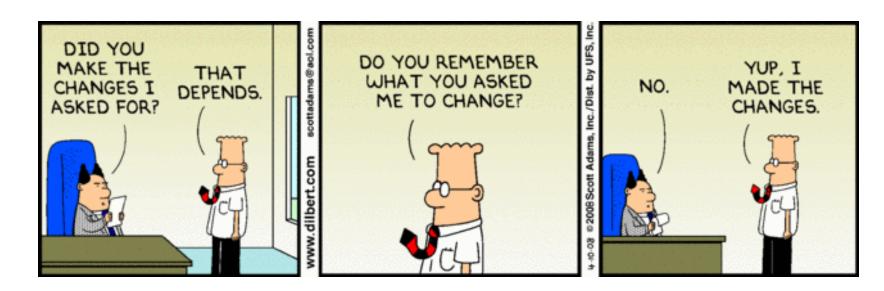


- Community understanding
- Technology awareness
- Selection & installation





- Community understanding
- Technology awareness
- Selection & installation
- Adoption & transition



- Community understanding
- Technology awareness
- Selection & installation
- Adoption & transition
- Everyday use



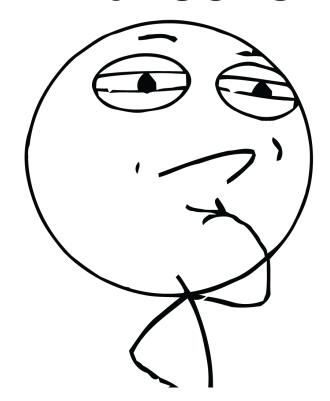
Streams of activity

- Community understanding
- Technology awareness
- Selection & installation
- Adoption & transition
- Everyday use



Challenges

CHALLENGE CONSIDERED



- Challenges
- Within an organization



- Challenges
- Within an organization
- Across organizational boundaries

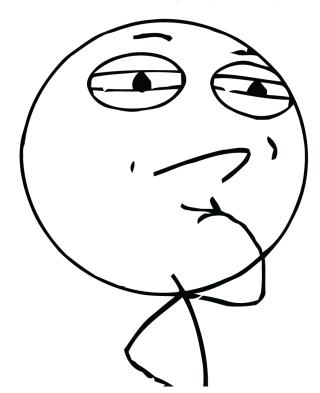


- Challenges
- Within an organization
- Across organizational boundaries
- Outside organizations



- Challenges
- Within an organization
- Across organizational boundaries
- Outside organizations
- Across multiple communities

CHALLENGE CONSIDERED



• You, as technology (tech) steward



- You, as technology (tech) steward
- Your role in the community



- You, as technology (tech) steward
- Your role in the community
- Your skills



- You, as technology (tech) steward
- Your role in the community
- Your skills
- Who can help



- You, as technology (tech) steward
- Your role in the community
- Your skills
- Who can help
- The role of tech steward (in general)
 - An emerging role that combines responsibility and practice



Image refs

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