

New professions and skills for e-Infrastructures

Gudmund Høst, Director



norden

NordForsk



Nordic e-Infrastructure
Collaboration





1. Skills of e-Infrastructure providers

To deliver high quality services effectively and efficiently

- Career paths
- Reward mechanisms
- Scaling issues
 - Crowdsourcing user support?
 - Outsourcing low-level services and operations?



2. Skills of e-Infrastructure users

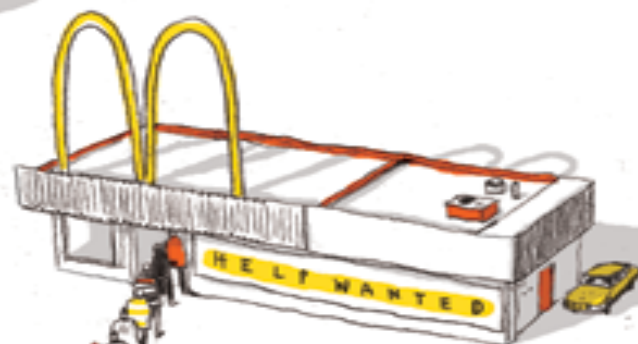
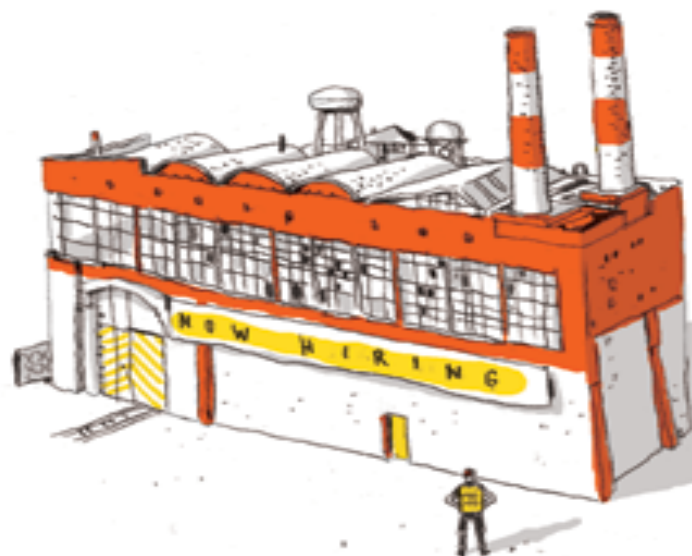
- Co-design and co-organize courses with end users
- Teaming up with educators
- What about underrepresented groups?
- How does it scale?
 - MOOCs?



3. Skills of future e-Infrastructure users

- Computational thinking and data science
 - «Computation is the new math»
- Integrate into curricula
- Vertical integration, from primary level
- Horizontal integration, across disciplines and dept's
 - Ex. Computing in Science Education, Oslo U.

Main actors are university and education sector





The fake skills shortage

- What salary are you offering? (A.Davidson, 2012)
- Data scientist - the sexiest job of the 21st century?
- What forces drive the e-Infrastructure job market?



Take-home questions

1. Why in-house?
2. What salary are you offering?
3. How does it scale?