New professions and skills for e-Infrastructures

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NordForsk

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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?

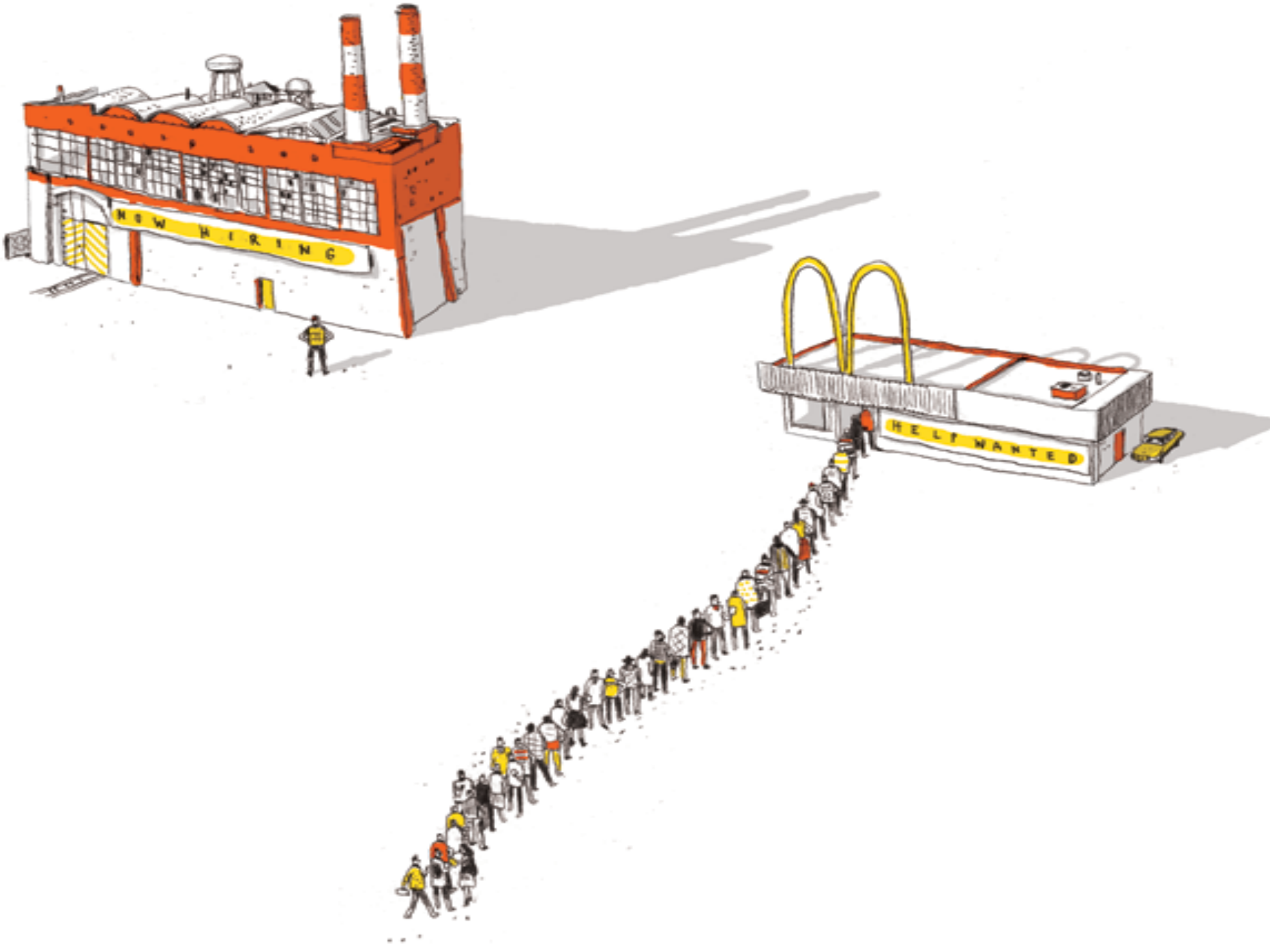
2. Skills of e-Infrastructure *users*

- 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
- Horisontal integration, across disciplines and dept's
  - Ex. Computing in Science Education, Oslo U.

Main actors are university and education sector


NOW HIRING
HELP WANTED

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?