



**Copenhagen  
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# **Broadband and Its Impact on Consumers and Economies**

## **Session 4 – Looking Ahead: Examining the Relationship of Broadband to Entrepreneurship, Innovation, and Productivity**

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October 22, 2011



# Data availability

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- Survey data:
  - “IT-use in Danish Firms” –Eurostat
  - “IT expenditures in Danish Firms” –Eurostat
  - “R&D and Innovation in Danish firms” – [CIS]
  - “Outsourcing in Danish Firms” - Statistics Denmark
- Register data:
  - Employer-employee matched data set:
    - Productivity measures – labor and TFP
    - Education mix at firm level
  - International trade:
    - Total – including exports and imports of service
    - Products - broken down after products and countries

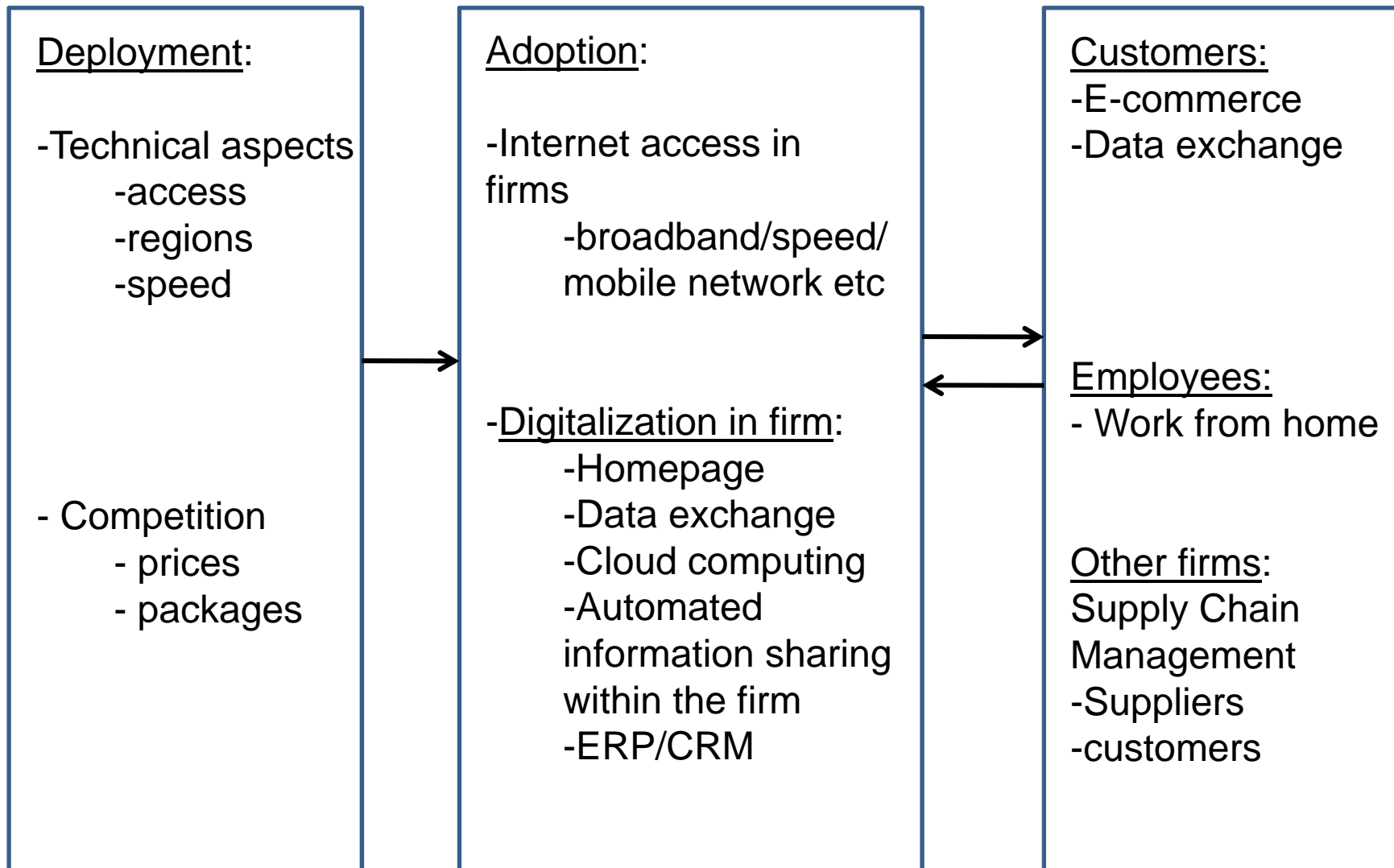


# Linking surveys (2008)

	IT-use	IT-expenditure	Innovation	Outsourcing
# observations	4,303	3,045	4,415	4,161
# joint observations – two-by-two	IT-use and...	1,445	1,421	1,821
# joint observations – 4 surveys	IT-use and...	724		



# IT and firm productivity





## "3-10" rule – Three main ideas

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- Identical samples of firms for different surveys
- Panel structure in data collection
  - sample and questions
- Where are the important economic effects of broadband?
  - What to look for
  - Networks – e.g., supply chain management