Session Introduction
Data processing, hosting and related activities with an extra emphasis on cloud computing
ISIC J 6311
Mini-paper contributions

• Turnover
  Ramon Bravo, Mexico
  Olof Landberg, Sweden
  Andrew Baer, USA

• Prices
  Susanna Tag, Finland
  Agnieszka Matulska-Bachura, Poland
  Itsik Tal, Israel

• Discussant
  Dorothee Blang, Germany
Industry classification

- ISIC 6311, Data processing, hosting and related activities
  - provision of infrastructure for hosting, data processing services and related activities
  - specialized hosting activities such as:
    - Web hosting
    - streaming services
    - application hosting
    - application service provisioning
    - general time-share provision of mainframe facilities to clients
Industry classification

- ISIC 6311, Data processing, hosting and related activities
  - data processing activities:
  - complete processing of data supplied by clients
  - generation of specialized reports from data supplied by clients
  - provision of data entry services
Product classification

- CPC 83151, Website hosting services
- CPC 83152, Application service provisioning
- CPC 83159, Other hosting and IT infrastructure provisioning services
- CPC 83633, Sale of Internet advertising space (except on commission)
Industry classifications used

- NACE Rev.2: EU (2008)
- NAICS: North America (2012)
- NAICS Mexico: North America Mexico (2013)
Product classifications used

• CPA Ver. 2.1: EU (2015)
• NAPCS: North America (2017)
• NAPCS Mexico: North America Mexico (2017)
Classification issues

• Content of industry and product classifications is similar

• Rapid changes in the IT service sector (cloud services) cause difficulties for industry and product classifications

• How to classify different cloud services (e.g. PaaS, SaaS) correctly
Mini-paper findings

• Concentrated industry

• Cloud services relatively new

• Dominance of global enterprises in cloud services (e.g. Microsoft, Google, Amazon) with affiliated companies

• Many secondary activities in the IT service sector
Mini-paper findings

• Cloud computing services responsible for rapid growth of industry turnover

• How to allocate company output of establishments

• Many different pricing methods

• Bundled services
Please address queries to:
Christian Stock

Contact information:
Guglgasse 13, 1110 Vienna
phone: +43 (1) 71128-7967
fax: +43 (1) 7180718
christian.stock@statistik.gv.at

Thank you!