Surveys on energy consumption in the service sector – the German approach of data collection

Contribution to Session 2 – Deep-dive into the services sector

Barbara Schlomann, Fraunhofer ISI, Karlsruhe, Germany
History of data collection in the service sector in Germany

1999

1st survey published

Main purpose:
analytical → more insight in energy consumption of service sectors and its sub-sectors

2000-2002

No survey


Decade of regular surveys

Various applications:
• Statistical basis for energy balances by end-uses and sub-sectors
• Monitoring of energy efficiency targets
• Data base for energy efficiency indicators (IEA database, ODYSSEE database)
• Control group for evaluations of EE policies
• Several analytical uses

2013 - 2018

Interruption of regular surveys

Why?
Growing recognition that the various applications cannot be reliably fulfilled without empirical data!

2019

Summer 2020:
Decision on restart of survey
Survey Approach and Challenges

Survey approach 2003 – 2012

- Broad coverage of end-uses and sub-sectors
- Regular intervals (2 years), data compatibility
- Large sample size: 2,100 companies (net)
- Computer-assisted personal interviews (CAPI)

Aims and challenges of the new survey

- Change of collection method: CATI
- Collection year: 2019 (survey start: January 2021)
- Ensuring compatibility with previous surveys
- Add new elements:
  - Energy consumption for digitalisation / smart technologies
  - More focus on renewables and electric mobility

Source:

© Fraunhofer ISI

Seite 3
Thank you for your attention

Contact:
Dr. Barbara Schlomann
Fraunhofer Institute for Systems and Innovation Research ISI
barbara.schloemann@isi.fraunhofer.de
www.isi.fraunhofer.de