

# Data required for micro simulation

Administrative and survey data

# What is data (in our context)

- Micro / Firm level data
- Administrative or Survey
- Used for simulation (static or dynamic accounting model)
- Forecasting (e.g. econometrics)

# Administrative data

- Detailed micro information
- Multipurpose file
  - (+) Reduce cost by sharing purpose
  - (-) Needs may differ between users
- Multiple sources of tax information
- Since all units are present, can be merged with other sources
- No bias, easy to use for trend analysis

# Survey data

- Can be tailored to specific needs
- Depending on size and structure, has the potential to be:
  - Less expensive
  - More timely
- Not as detailed as administrative data
- Possibility of Hybrids (Survey / Admin)

# Survey data

- Survey (similar to sampling)
  - Need to define target population
  - Select respondents
- Require detailed work on
  - What you need
  - What you would like
- Administrative data can help
  - e.g. VAT registrant file

# The uses of administrative data

- Ensure compliance
- Formulation and evaluation of tax policy
  - e.g. micro-simulation
- Manage debt
- Base for forecasting
- Provides information to the public
  - Publication of statistics
  - Answer media / private requests

# Cross benefits of data gathering

- Statistical Agency
  - Supplement survey information
  - Base for creation of target population
- Second use statistics
  - Transparency / Inform the public
  - Create audit indicators
  - Base for research
- Data warehousing (cubes)