INTEGRATED COLLECTION SYSTEM
CONFERENCE OF EUROPEAN STATISTICIANS
Expert Meeting on Statistical Data Collection
27-30 September 2021
INTRODUCTION TO ICS
“ICS”

An integrated data collection system starting from the stages of design (design), development (build), collection (collect), and processing (process) using various modes of data collection (multimode data collection).
Multimode Data Collection

1. PAPI
   Paper and Pencil Interviewing

2. CAPI
   Computer Assisted Personal Interviewing

3. CAWI
   Computer Assisted Web Interviewing

4. Acquisition of Administrative Data
Components of ICS

1. Questionnaire Designer
2. Survey Collection Management
3. Field Force Management
4. CAPI
5. CAWI
6. PAPI
7. Validation Engine
8. Acquisition of Administrative Data
9. Variable Metadata Repository and Working Database
CAPI

Intended for filling out questionnaires by officers

- Faster data processing process
- Monitoring in real-time
- Better quality
- Can run offline
- Requires a mobile phone
- Requires officer training
CAWI

Intended for filling out questionnaires independently by respondents

☑ No staff required
☑ Questionnaires should be easier to understand
☑ More flexible charging time
☑ Must be online
☒ Quality is a bit lacking
☒ Response Rate lebih rendah disbanding

CAPI
WORK FLOW ICS

Survey Collection Management

Working Database

Unstructured/File
Json/XML
Database Access

Working Database Provinsi/Kab/Kota

Design
Build
Collect
Process

CAWI

CAPI
WORK FLOW ICS

- Working Database
  - Provinsi/Kab/Kota
  - PAPI

- Survey Collection Management

- Validation Engine

- Database Access
  - Unstructured/File
  - Json/XML

- CAPI
  - CAWI

Design → Build → Collect → Process
THANKS!

Any questions?