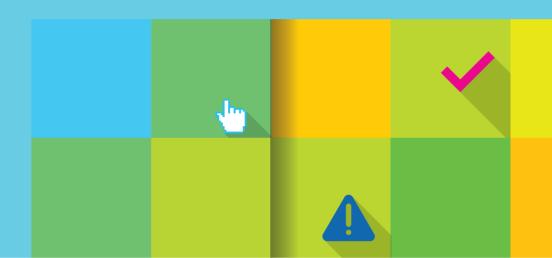




# FIFTH INTERNATIONAL WORKSHOP ON BUSINESS DATA COLLECTION METHODOLOGY

19-21 SEPTEMBER 2018 - STATISTICS PORTUGAL, LISBON





# CENTRALIZED INBOUND AND OUTBOUND CONTACT CENTER SERVICE AS NEW STRATEGY IN DATA COLLECTION

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### **SUMMARY**

- Data collection and Contact Center service centralization
- II. INbound and OUTbound service organization and tools adopted
- III. Preliminary results and service data analysis
- IV. Future challenges











# I. Data collection and Contact Center service centralization











### New setup: Data collection as cross-sectional service

Social statistics and population census Sector

Businesses and Institutions Environment and territory Sector

### **Direct data collection**

Methods and information technologies













### Data collection (DC) centralisation

- Only responsibility centre for DC
- Establishing a specialist centre for the DC
- Transfer of specialist knowledge of DC between sectors
- Increase the efficiency of the activities carried out
  - Standardization of activated processes and functions
  - Deleting duplications and overlays in functions
  - Restructuring of the DC processes
- Revisit capacities, resources used, workflows



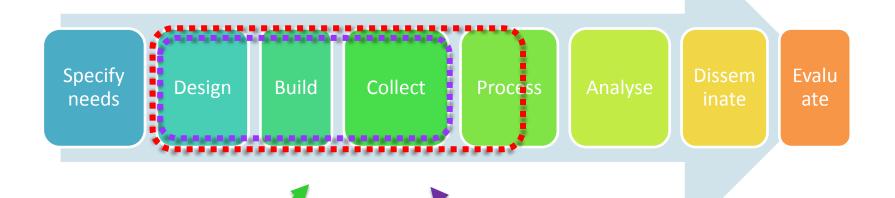








### Statistical production process



Directorate for data collection (CDDC)

Division for data collection implementation

One of the core activity

Management of Contact
Center
services

Mapping of CDDC activities within the framework of the international reference conceptual schema GSBPM

Source: Delibera D16 49 DIRM2017

**Generic Statistical Business Process Model – GSBPM** 

(http://www1.unece.org/stat/platform/display/metis/The+Generic+Statistical+Business+Process+Model)











#### **BUSINESS DATA COLLECTION METHODOLOGY**



### Contact Center (CC) Service generalisation

2016 - January
Launching the
INbound service
for enterprises
surveys and the
Business
statistical Portal

2017 –
During the year
Extending INbound Service to surveys on Institutions and Individuals

2017 - July
Launching
OUTbound
service on
Enterprises
and
Institutions

Unique CC Work in progress..











# II. INbound and OUTbound service organization and tools adopted











### **INbound – OUTbound - Service objectives**

#### **GENERAL**

- Providing assistance and support to respondent units
- Standardize data collection processes by adopting a single model for all surveys
- Improve the quality of the data collected, mainly in terms of completeness and timeliness

### **Specifically for OUTBound**

- Improve response rates

   (managing reminds as «core service» and the direct data entry as «additional service»)
- Confirm/Update the register information of the survey units and the data of the company contacts that populate the acquisition systems of the Institute (statistical portal, Gino...)



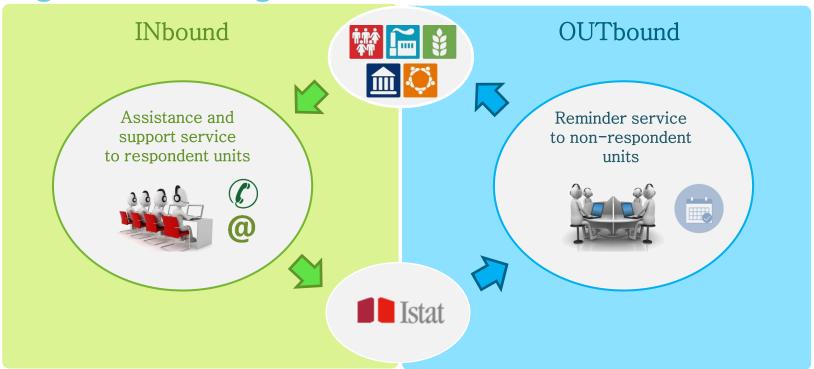








# INbound – OUTbound management: Integrated working flow



The two services operate as an

integrated

management system:

- operators with similar skills and experience
- same knowledge system (FAQs) to support sample units
- comparable training sessions
- use of standard procedures to manage the sample units











#### **BUSINESS DATA COLLECTION METHODOLOGY**

# INbound – OUTbound management: The players

#### Sample units



Enterprises,
Institutions and
Individuals
involved in
statistical
surveys

### **Contact Center INbound Operators**



- provide assistance and support to respondent units in fulfilment of statistic requirements (Single contact point)
- manage and solve the most recurring issues
- transmit the complex and specific requests to Istat experts (by the tool Agenda Condivisa)

#### Contact Center OUTbound Operators



- contact the nonrespondent units to remind survey's deadline
- provide assistance and support in fulfilment of statistic requirements, whether required
- redirect the contacted unit to Inbound Service for any complex non-thematic and non-recurring thematic request

#### Istat

Data Collection and Statistical Production Directorates



 solve Inbound complex nonthematic and nonrecurring thematic cases (by the tool Agenda Condivisa)











# INbound – OUTbound management: Istat internal functions



#### **Data Collection Directorate**

- standardisation of operational procedures
- define activity schedule
- production and update of nonthematic subject matter
- training to operator on nonthematic matter
- monitoring the service
- management of complex nonthematic service requests (SR)



#### **Production Directorates**

- production of thematic subject matter
- training to operator on specific survey matter
- management of non-recurring thematic service requests (SR)













# INbound (IB) – OUTbound (OB) management: Main activities

#### PRELIMIN ARY PHASE

- Production/update of survey information and thematic FAQ (Production Directorates)
- Non-thematic FAQ update (DC)
- Training operators (Production and DC Directorates)
- IB Creation of thematic areas and log-in credentials to access the shared Agenda (DC, Contact Center CC)
- OB Define list size by survey, based on sample size and response rates analysis
- OB List creation and integration with variables
- OB Updating Contacts script

#### CARRYIN G OUT PHASE

- Supervision and monitoring of the service (DC)
- Eventual training on the job (DC and Production Directorates)
- IB Third-level non-thematic ticket processing (DC)
- IB Third-level thematic ticket processing (Production Directorates)
- OB Daily update of the non respondents list (DC)
- OB Daily report Delivery (CC)













# INbound – OUTbound tools to solve users request: Survey characteristics

Survey characteristics	
NATIONAL AND INTERNATIONAL REGULATION	List of main legislative acts
SURVEY NAME	Complete name arising from legislative act
REFERENCE PERIOD	Month / Quarterly / Year /
SAMPLE TYPE	Census/Sample
SAMPLE SIZE	Number of units included
SURVEYED VARIABLES	Main issues
OBLIGATION TO ANSWER	YES/NO
SUBJECT TO PENALTIES	YES/NO
DEADLINE FOR DATA COLLECTION	DAY/MONTH/YEAR
SURVEY PRODUCTION RESPONSIBLE	Name Surname (direct telephone)
CONTACT MAIL	Survey ordinary contact mail













# INbound – OUTbound tools to solve users request: FAQ - Main categories

#### non-temathic

### Cross-cutting requests regarding:

- access and usage of data acquisition system
- information on legislation, obligation to answer and penalties
- general information about survey (deadline, involved units, data collection method, ...)

### recurring thematic

### Requests on specific survey issues:

- main questionnaire topics and methodology
- insolvency proceedings
- register information changes













# INbound – OUTbound tools to manage data acquisition Business statistical Portal - Back office

The back-office of the Business Statistical Portal is the tool used by contact center operators to provide first-level assistance to survey respondents regarding:

- registration and access to the system
- resetting of original password for login
- insertion of requests for updating business master data in the appropriate section of the Business statistical Portal (business name, address, type of company, NACE activity, etc.)
- deadline for data transmission and information on state of fulfillment for each specific survey







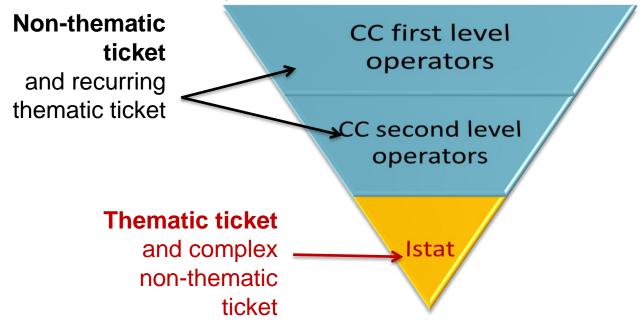




# Focus INbound: 1/2 Trouble ticket system – Tickets management

Each Inbound Service Requests presented by telephone or email and classified according to FAQ categories, creates a ticket.

Responsibility in ticket solving:















# Focus INbound : 2/2 Trouble ticket system – *Agenda Condivisa*

Contact Center operators transmit not solvable tickets to Istat experts by the *Agenda Condivisa* tool

#### The Agenda Condivisa:

- includes all relevant informations to allow Istat experts managing the Service Request, that is:
  - respondent units data (unit code, name and contact informations of user who contacted Inbound service, ...
  - request matter (short description)
- provides all the functionalities to allow managing ticket by Contact Center operators and Istat experts













# Focus OUTbound : Contact script

1/3

- Standard form, customized according to metadata on survey characteristics
- Guiding the operator in the contact management of the <u>not responding</u> <u>unit</u>, defining the flow
  - for the verification of the company contact and for the delivery of the reminder determined by the characteristics of the unit
  - for assistance in case a specific request arise from the nonrespondent
- Defines the encoding of contact results (Provisional and definitive)











#### **BUSINESS DATA COLLECTION METHODOLOGY**



# Focus OUTbound : Lists and sample units contacts

2/3



- Provide a list of the units to be contacted balanced according to the following criteria:
- influential units
- units subject to penalties
- long term non-respondent units
- presence or not of at least one contact (telephone number or name of a delegate to the compilation)

## Data

Collection

- **Integrate** the list with the information useful for the customization of the script:
- registry unit variables
- date and protocol number of the survey information and / or communication with the of the information for the login to the data acquisition system
- contact person of the survey unit (eg delegates and administrators of the portal)
- penalty units

#### CC OUTbound

- Integrate the list with missing contact information
- Upload the list into the software









### **Focus OUTbound:** The additional service

3/3

It's used in order to support Quarterly Business Survey on Job Vacancies and Hours Worked (VELA) respondents in the transition phase from CATI to CAWI surveying technique

In addition to the "core service", the following services are provided:

- support respondents in the compilation of the questionnaire and right interpretation of the questions
- direct realization of data entry in the on-line questionnaire, if explicitly required by the contacted enterprise
- direct insertion of register changes, in the appropriate section of the **Business statistical Portal**











# III. Preliminary results and service data analysis











# Preliminary results: increase of response rate and decrease in length of DC

Structural Business surveys

Average response rate + 11 percentage points

Average length of data collection -37.2 solar days (d)

Short-term surveys

(three representative surveys)

Average response rate + 20 percentage points





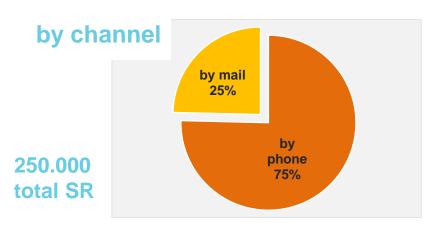


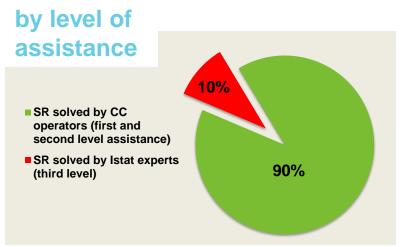


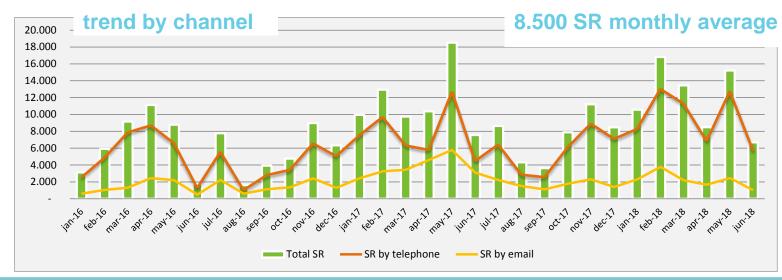


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### **INbound service:**









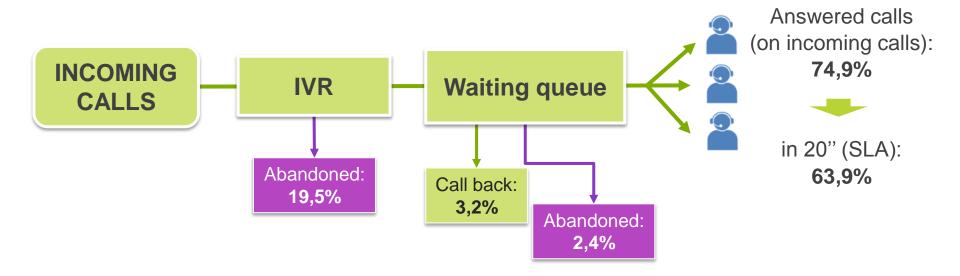








### **INbound service:** overall efficiency











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# INbound service: efficiency trend:

**Incoming calls** 

Incoming and answered calls

Calls Answered in 20" (Service Level Agreement)







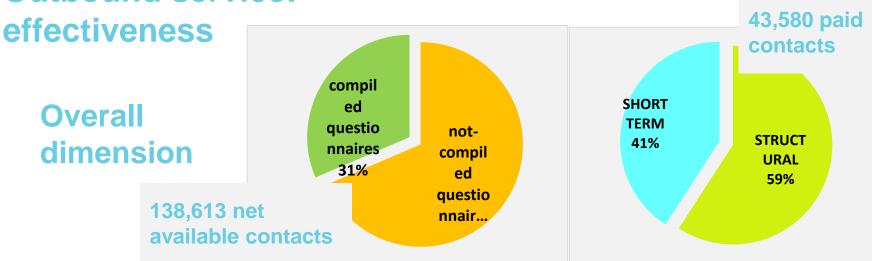




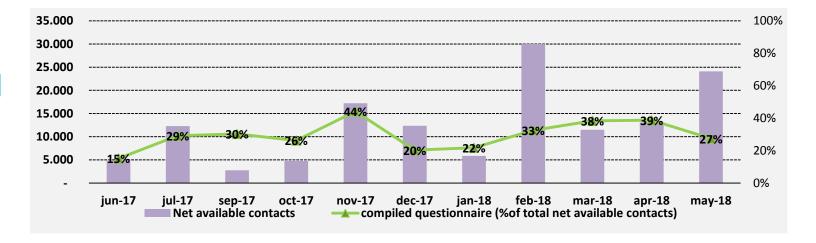








### **Trend**







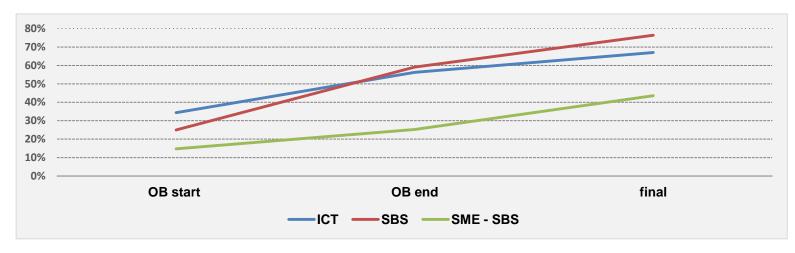


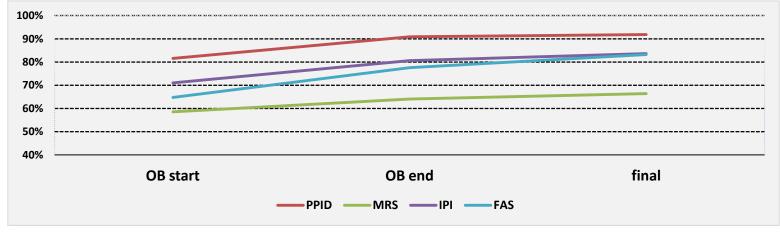




# **BUSINESS DATA COLLECTION METHODOLOGY**

### **OUTbound service:** response rate trend by survey









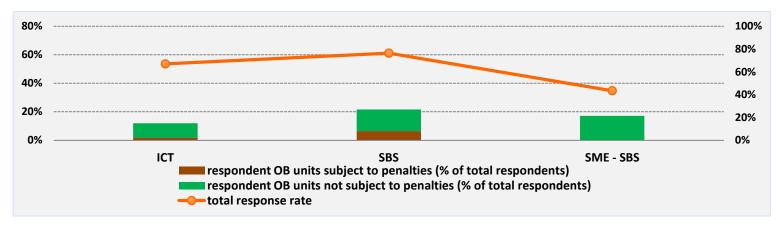


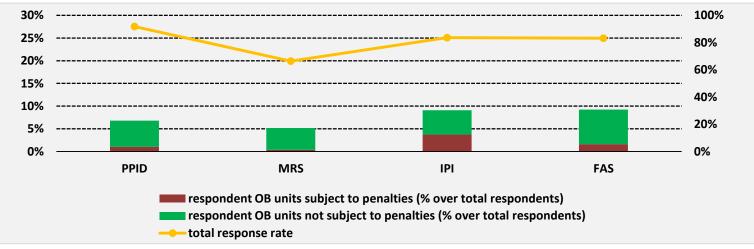




# **BUSINESS DATA COLLECTION METHODOLOGY**

### **Outbound service:** contribution to overall response rate by survey











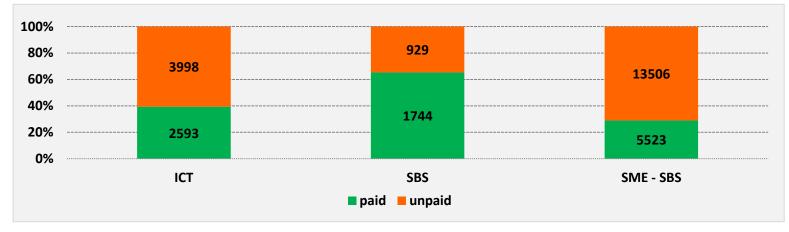




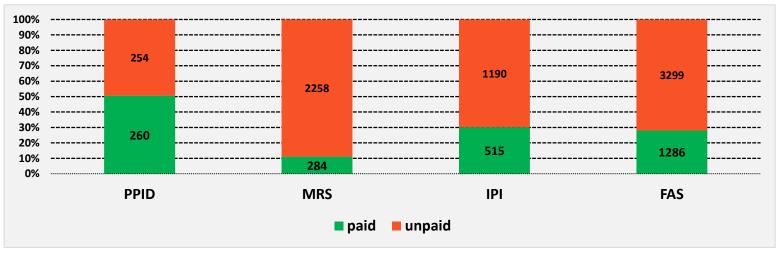
# Outbound service: effectiveness by sur

effectiveness by survey (OB respondents)

TRUCTURAL



SHORT-TERM















### **Future challenges**

- Use of management and acquisition systems increasingly standardized and homogeneous in the type of functions made available
- Generalization of the service: greater integration between
   INbound and OUTbound services
- Progressive inclusions of all survey under a single CC service
- Rationalization of tendering procedures for the acquisition of the service: reduction of costs per unit













# Thank you for paying attention!









### Main issues to be discussed

Inbound

How to adapt the service to specific features of different target populations (households, individuals, enterprises and institutions)?

Outbound

How to deal with units included in more than one survey simultaneously









