

# Methodology in Eurostat and the ESS. Main Features

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# The scenario of official statistics

- Building up until the beginning of the XXI century (Lisbon process; EMU statistical requirements → *too little – too late*).
- Saturation point now (response burden, budget cuts) - while statistical demand keeps growing.
- Slow response to accelerating change.
- Challenges on data security, confidentiality, privacy.
- Slow adaptation to new drivers (large datasets, computing power, merging files, automated data capture, integrated processes, new sources...).
- Less control of the concepts in the sources.
- Limited exploitation of research results.

**Risk of losing market share**



**Methodology is in the solution**

# Methodology in the ESS. Can we collaborate?

ESS DISTRIBUTION OF METHODOLOGICAL WORK MODEL				
C	C+d	C+D	c+D	D
0	6	5	3	2
CENTRAL			DISTRIBUTED	

Perceived Situation and Trends		
POOR	FAIR	POSITIVE
2	6	8

DEGREE OF COMMITMENT			
PROACTIVE	ACTIVE	LIMITED	REACTIVE
4	5	9	2

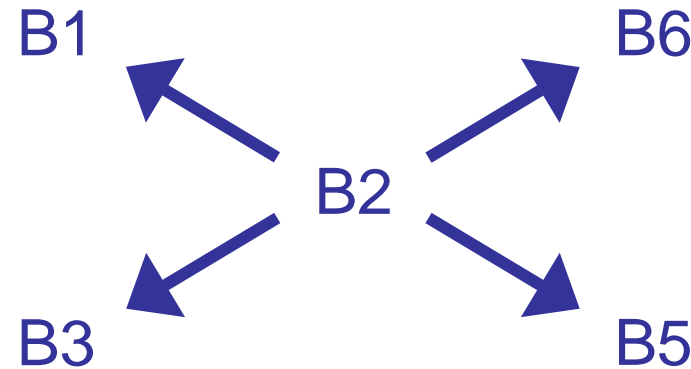
MOST APPRECIATED MECHANISMS				
STEER GROUPS	WORK GROUPS	ESS Nets	JUNIOR NET	OTHER (OPEN)
5	7	7	3	3
GROUP WORK			NETWORKING	

BENEFICIARY(B) VS CONTRIBUTOR (C) PROFILES				
B	B+c	B+C	b+C	C
2	4	8	1	1
BENEFICIARY			CONTRIBUTOR	

# Methodology in Eurostat

<b>Directorate B: Quality, methodology and information systems</b>
<b>B1: Quality; Classifications</b>
<b>B2: Methodology and Research</b>
<b>B3: Information systems for statistical productions</b>
<b>B4: Management of IT infrastructure</b>
<b>B5: Statistical information technologies</b>
<b>B6: Reference databases and metadata</b>

## ■ Integration with IT, Quality, Metadata



## ■ Methodology – small Unit

- Some poles of expertise
- Larger amount of expertise distributed
- Strong coordination role

# Methodology in Eurostat

## Areas

- Confidentiality
- European Sampling
- Data analysis
- Seasonal adjustment
- Validation

## Instruments

- Internal expertise
- ESS collaboration  
Task Force  
ESSnet
- Outsourcing
- CROS

# Methodology in the ESS. A collaborative approach

- The ESSnet
- MEETS
- Learning and Development Framework
- The Directors of Methodology Group (DIME)
- Other instruments (Working Groups, Seminars, Manuals, Guidelines, ...)

# ESSnet

‘A network of several ESS organisations aiming at providing results that will be beneficial to the whole ESS’

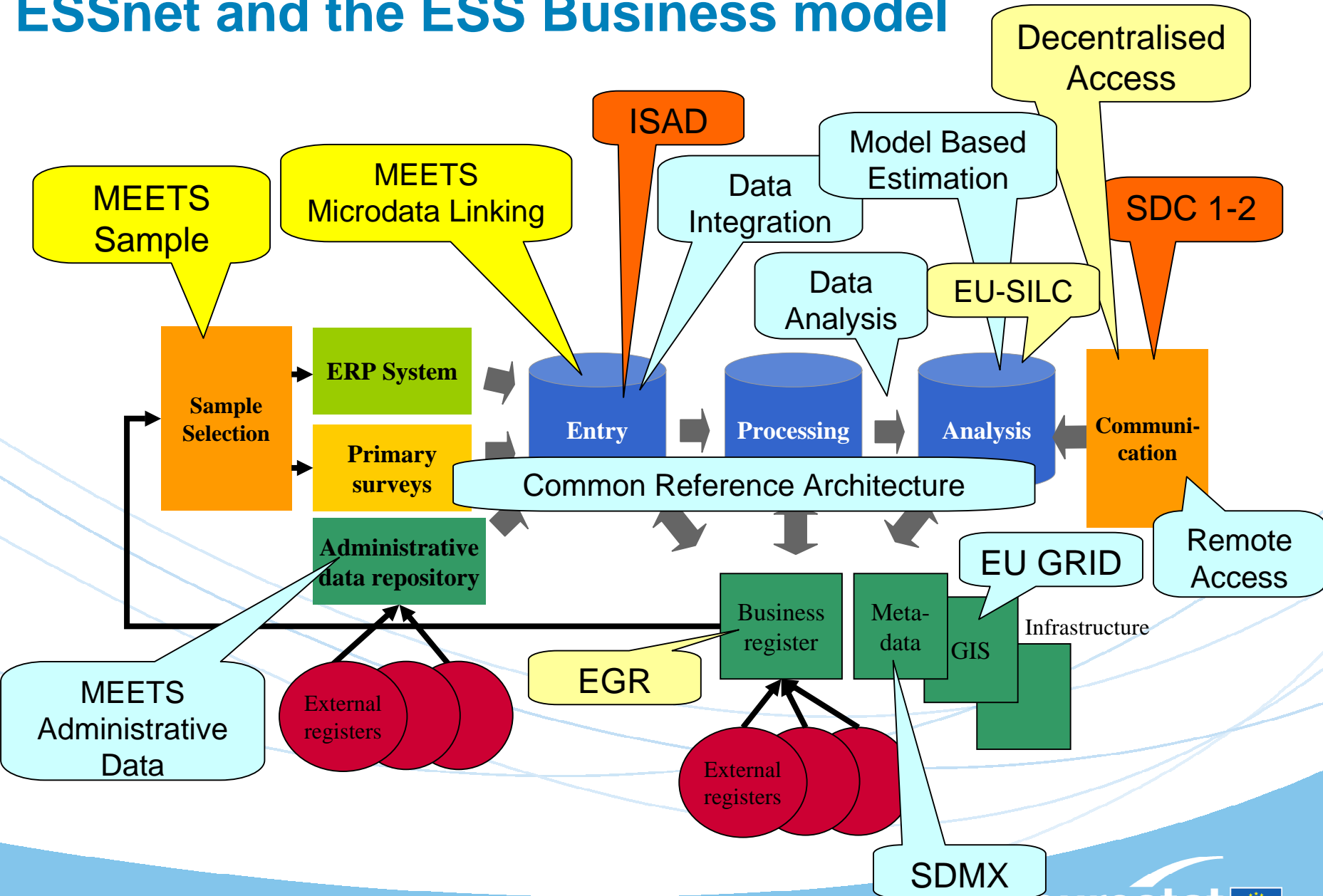
1. Several partners. Results to non participating countries.
2. Issues of European interest
3. Compatible with 5 Year Programme
4. Cost-effective (avoid duplication)
5. Knowledge sharing, innovation, harmonisation
6. Sustainability
7. Only ESS organisations involved

# ESSnet Country participation

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV	LT	LU	HU	MT	NL	NO	AT	PL	PT	RO	SI	SK	FI	SE	CH	UK
SDC Phase 1					Y	Y					Y							R		Y				Y			Y		Y
ISAD			Y						Y		R							Y		Y									
Hedonic Prices	Y				R		Y											Y		Y							Y		
Handbook on data quality assessment					R										Y							Y							
Edimbus											R							Y									Y		
Flash Estimation					Y					Y	Y																		Y
SDC Phase 2		Y			Y						Y				Y	Y		R	Y			Y		Y			Y		Y
Decentralised Access to Microdata					R						Y					Y		Y											
EGR						Y					R							Y											Y
EU-SILC			Y			Y					Y				R				Y	Y						Y			Y
Culture															R														
SDMX									Y		Y		Y									R		Y	Y		Y		
Model based Estimation									Y		Y							Y		Y	Y					Y		Y	Y
Data Integration										Y	R							Y		Y	Y						Y		Y
Data Analysis																		Y		R								Y	Y
Remote Access to microdata																		Y		Y									
EU GRID				Y														Y	Y	Y				Y		Y	R		
Partnership Health	Y										Y			Y						R	Y								
Material Flow Accounts																													
Lifelong Learning Accounts																													
MEETS - Consistency					Y						Y							Y		Y				Y			Y		
MEETS - Administrative data	Y				Y	Y					Y			Y								Y							R
MEETS - Profiling					Y					Y	Y							Y								Y			Y
MEETS - Micro-data linking																													
MEETS - Optimal Allocation of sample																													
Linking of micro data on ICT usage											R																		R
Common reference architecture				Y							R		Y					Y	Y								Y	Y	
Heatpumps Statistics										Y										Y							Y		
Common reference environment				Y							Y		Y					Y	Y								Y		
Methodological action																													
Tourism									Y																	Y			



# ESSnet and the ESS Business model



# The MEETS programme

42.5M€ in 5 Years

2 / 4 Objectives related to methodology

## 2. Streamlined framework of business related Statistics

Statistics on enterprise groups

European sampling schemes

## 3. Smarter way of collecting data

Data Linking

Use of administrative or recounting data

Optimal Sampling; combination of sources; estimation

# The DIME

## Working Pillars

Explore means (website, forum, virtual library, newsletter...) enabling the soft collaboration;

Elaborate concrete proposals (objectives, tasks and stakeholders) for common work.

## Methodological Priorities

Integration of different data sources, in particular integration of survey and administrative data.

Model-based estimation aiming at exhaustively exploiting information contained in existing and imperfect datasets.  
Focus to small area estimates, and/or nowcasting and/or temporal disaggregation.

Data analysis and visualisation tools aiming at presenting the information contained in large and complex databases for production or dissemination.

# DIME Action Plan 2009

## ■ SOFT collaboration

- April 2009
  - Set up a steering group (preparing for future actions, guide the implementation of soft collaboration, stimulate soft collaboration... )
  - Forum for exchanging experience on measuring business statistics in recession
- June 2009
  - Virtual seminar on burden reduction
- Second half 2009
  - Forum on methodological aspects for the Census 2011

## ■ Cooperative methodological actions

- June 2009
  - Launch call for proposal for an ESSnet on small area estimation
  - Launch call for proposal for an ESSnet on data integration in the continuation of ISAD project (Record linking, Statistical matching, Micro integration)
- Second half of 2009
  - Sponsor a workshop for exchange of practice on visualisation for statistical production

## ■ Other events

- 18-19 June 2009 – Luxembourg. Workshop on remote access to microdata
- 7-9 September 2009 – Stockholm. The 2009 European Establishment Statistics Workshop (ENBES)
- October 2009 – Luxembourg. Workshop on ESS SA guidelines implementations
- November 2009 – Stockholm. Workshop on standardisation

# Conclusions

- ESS Cooperation in Methodology is a leverage mechanism to improve efficiency and quality.
- Instruments are being put in place.
- It is our responsibility to make these instruments work.

**Merci de votre attention!**