Time use surveys

Modernizing Time use surveys, in line with ICATUS2016

Francesca Grum
Chief, Social and Gender Statistics Section
United Nations Statistics Division

Introduction
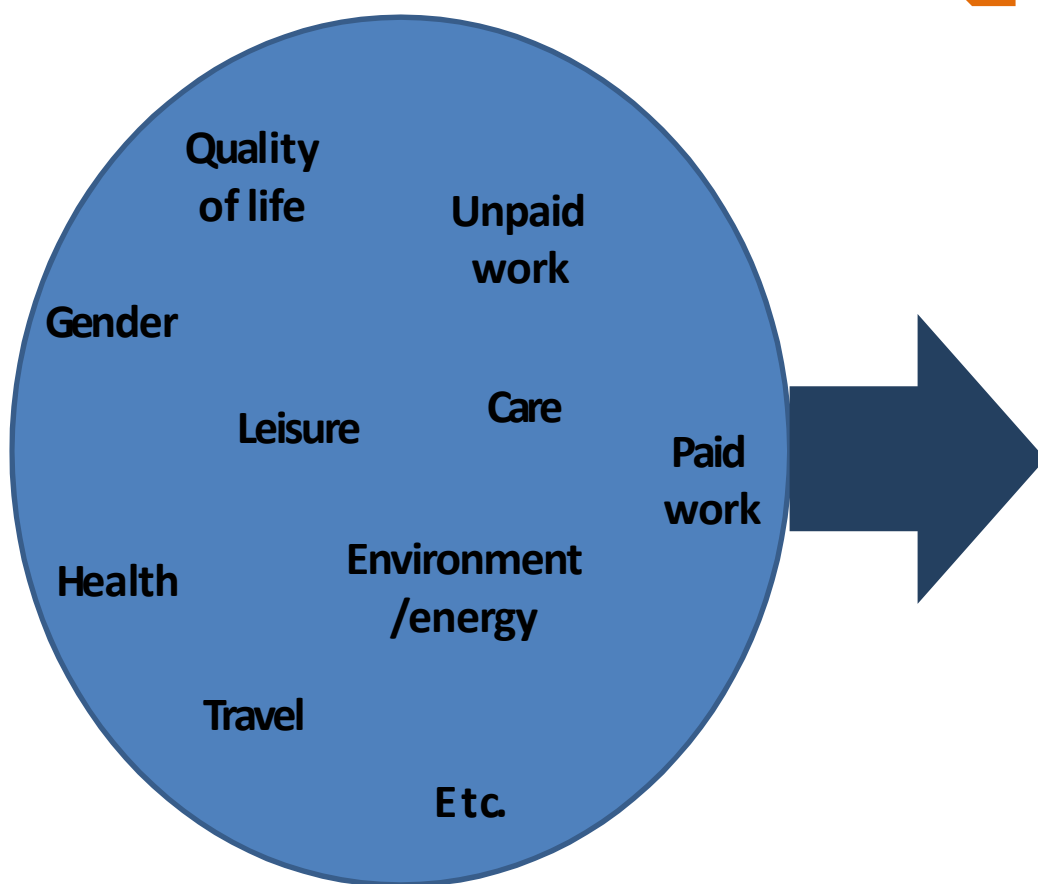
- Costly

- High respondents' burden

- Low response rates

- Not fully utilized

❑ We use time-use data

❑ How can we produce time-use data more efficiently?

Quality of life

Unpaid work

Gender

Leisure

Care

Paid work

Health

Environment /energy

Travel

Etc.

INSTRUMENTS

Snapshot of instruments used by countries

Since 2000, out of around 100 countries, 88 countries collected data as follows:

Full time diary: 57   Light time diary: 9   Questions:22

Time use instruments requirements

INPUTS		Full diary	Light diary	Questions
	Cost	+	-	-
	Processing data	+	-	- -
	Respondents' requirements	+	+/-	-
OUTPUTS	Data quality	+	+	- -
	Data granularity	+	-	- -
	Data usability	+	-	- -

Time use instruments
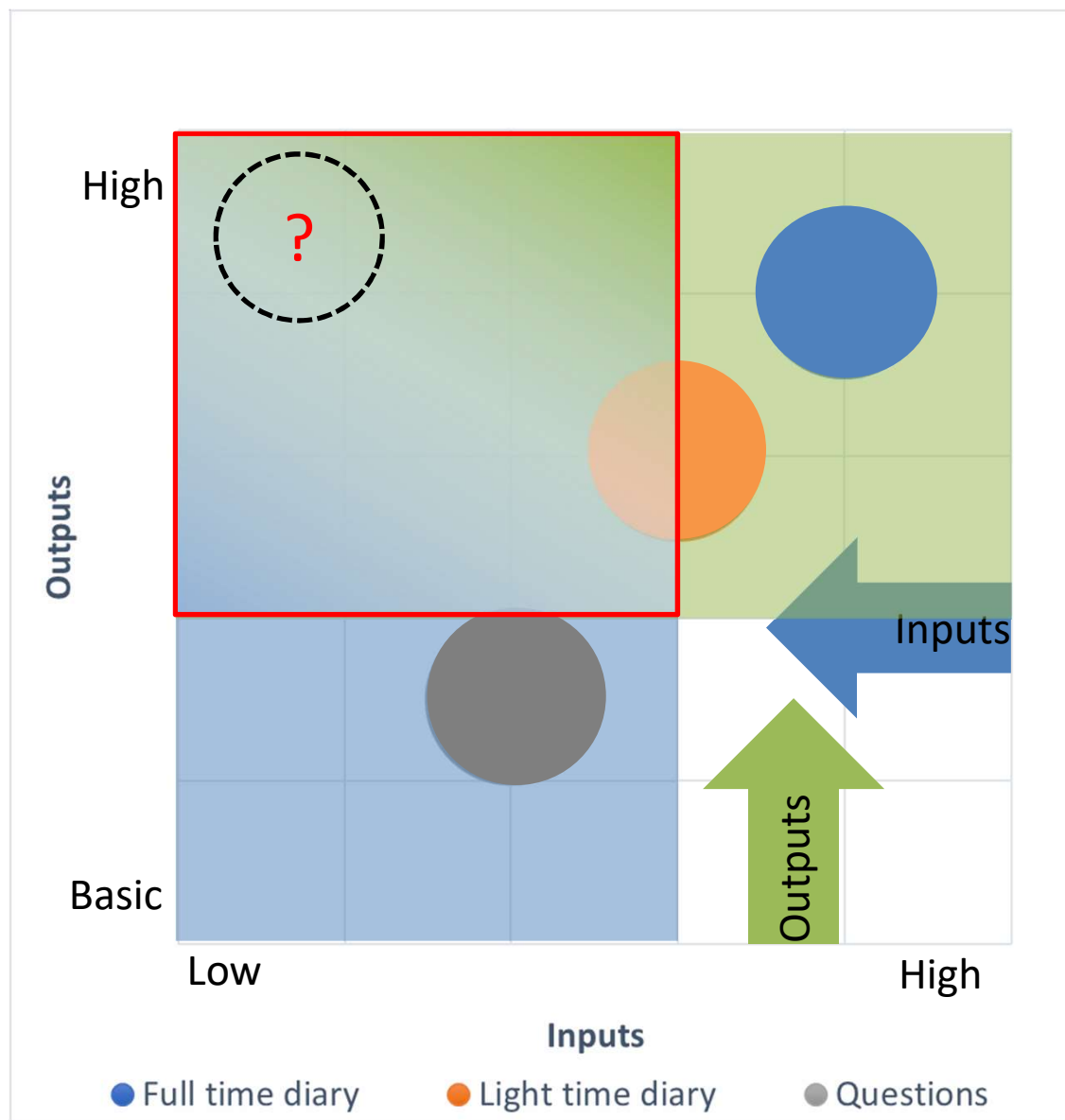
How can we optimize:
- Reduce inputs
- Keep high outputs

Data collection MODES

Classifying TUS data collection modes
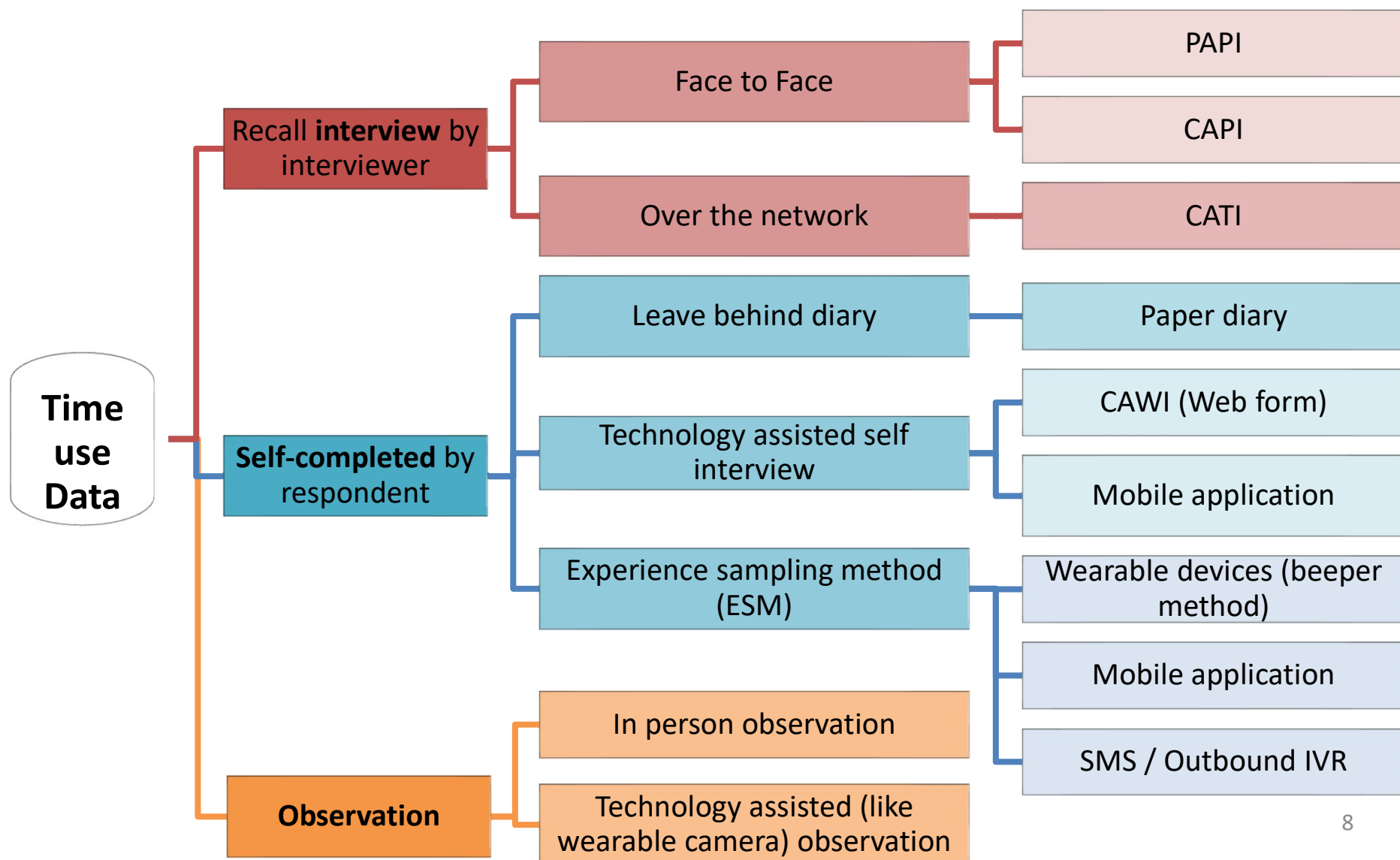
Mixed mode – It's a strategy

- Mixed-mode in data collection try to combine the best of all possible worlds by exploiting the advantages of different modes and compensate for their weaknesses at an affordable cost(De Leeuw 2005).

Advantages

  – Improve response rate, overall coverage, data quality
  – Reduce cost, time

Limitations

  – Mode effect? (different way respondents may answer same question across mode)
  – Need to test data integration from multiple modes

Snapshot of modes used by countries
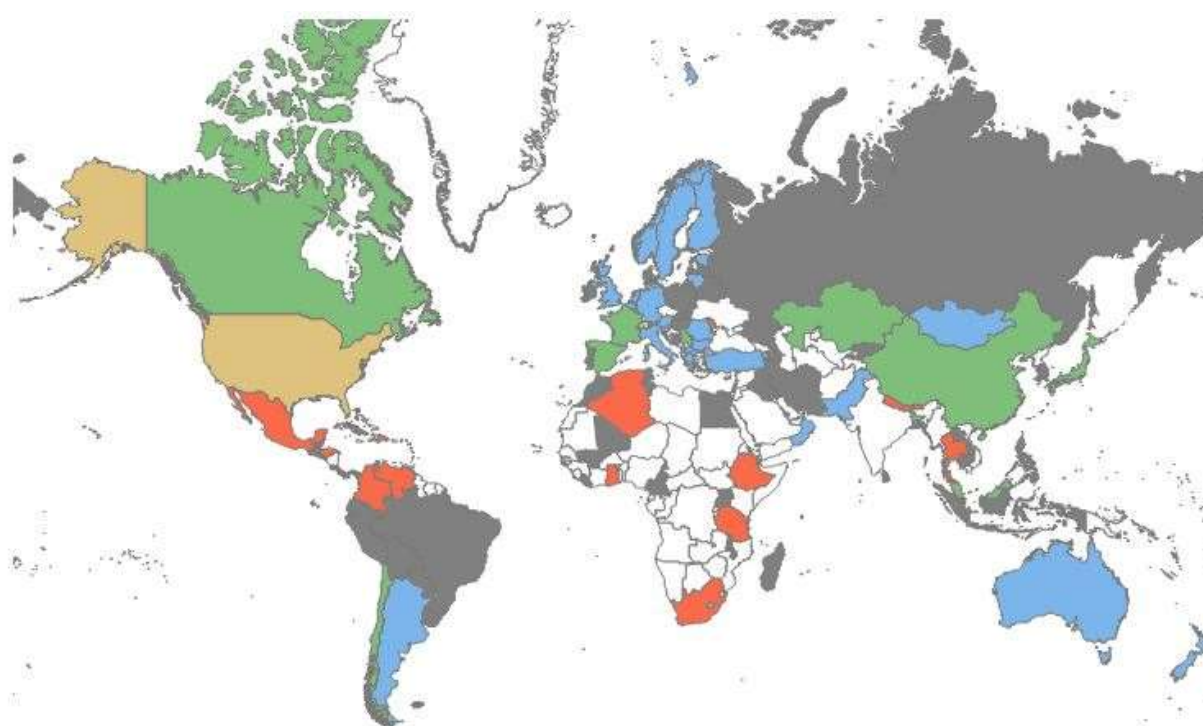
[Self-administered Paper diary]
31

[Face to face Interview]
15

[Mixed]
10

[CATI]
2

[Not identified yet]
47

Disclaimer : The designations employed and the presentation of material on this map do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

Conclusions

			Instruments		
			Full diary	Light diary	Questions
Modes	Recall Interview	Face to face	PAPI		
			CAPI	Profile 3: Low literate Rural	
		Over the network	CATI	tech working age (Lost trust in tech)	
	Self completed	Leave behind	Paper		
		Technology assisted self interview	CAWI (Web form)	Profile1: High literate urban high-tech working age (concurrent)	
			Mobile app		
		Experience sampling method	Wearable devices		
			SMS / IVR	Data quality check / in-depth small scale studies	

⇒ **Update UN guidelines to collect time-use data + provide assistance to countries**

Thank you!

http://unstats.un.org/unsd/gender/default.html