

### Modernizing time use surveys

UNSD and the Expert Group on Innovative and Effective Ways to Collect Time-Use Statistics



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Time-use statistics are quantitative summaries of how individuals "spend" or allocate their time over a specified period — typically over the 24 hours of a day



- What individuals in the reference population do or the *activities* they engage in.
- How much time is spent doing each of these activities.





### For social and economic policies



#### **QUALITY OF LIFE, WORK-LIFE BALANCE, GENERAL WELL-BEING**

Understand the living conditions and well-being of the population and its sub-groups; overall time allocation to the whole range of activities (incl. leisure, sports, cultural activities)



#### **ECONOMIC CONTRIBUTION OF INVISIBLE & UNPAID WORK**

Measure and value unpaid household service work through the compilation of satellite accounts



#### **GENDER EQUALITY & GENDER ANALYSIS**

Analyse the difference in use of time between women and men





*Target 5.4.* <u>Recognizing</u> and valuing unpaid
care and domestic work .... *SDG 5.4.1.* Proportion of time spent on
unpaid domestic and care work by sex, age
and location

### Key facts on unpaid work (SDG 5.4.1)



- Men spend more
   time than women in
   paid jobs
- Women spend more time in unpaid care and domestic work



• Economic value of unpaid domestic and care work and volunteer work:

#### 20-60% of GDP

- Conventional statistics *understate* the total **contribution of women** to the economy
  - Recognition and valuation of unpaid household service work uncover hidden aspects of the economy and raise vital policy issues that have long remained invisible



Country	Value of unpaid						
example	household service work						
<b>Australia</b>	\$416 - \$586 billion						
(2006)	(41.6% - 58.7% of GDP)						
<b>Moldova</b>	\$3.5 billion						
(2014)	(43.6% of the GDP)						
<b>Switzerland</b>	401 billion CHF						
(2013)	(63% of GDP)						
<b>Ecuador</b> (estimate)	15.2% of GDP						
<b>Costa Rica</b> (estimate)	25.3% of GDP						

Unlock Beyond GDP incl. satellite accounts



### Challenges faces by NSOs with TUS



#### Data expectations

#### **Current challenges**



#### **Indicator 5.4.1 in SDGs global database**

- 92 countries, with data disaggregated by sex (2000-2020)
   ⇔ 72 countries by 2010
- **49%** of countries with at least 2 data points (2000-2020)

How can time-use data be produced more regularly and efficiently?

### Modernizing TUS – UNSD and Expert Group



#### **Overall objective:**

To improve national capacity in producing comprehensive time-use data, in line with ICATUS 2016 and other international standards, and using the latest technologies

UN Expert Group on Innovative and Effective Ways to Collect Time-Use Statistics,

since 2018

#### Countries:

- Australia
- Canada (chair)
- Colombia
- China
- Finland
- Italy
- Japan
- Mexico
- Mongolia
- Morocco
- New Zealand
- South Africa
- Thailand
- United Kingdom
- United States

#### Agencies

- UNSD (Secretariat)
- ILO
- UNICEF
- UNWomen
- UNECE
- UNECLAC
- Eurostat
- IATUR

## UN Expert Group on Innovative and Effective Ways to Collect Time-Use Statistics





# What is ICATUS 2016?

International Classification of Activities for Time-Use Statistics International Classification of Activities for Time-Use Statistics 2016



### **ICATUS 2016**



#### **International Classification of Activities for Time Use Statistics**

- International statistical classification endorsed by the UNSC in 2017
- Classification of grouped activities a person may spend time during 24h
- Consistent standard framework harmonized with SNA, 19<sup>th</sup> ICLS, other standards, concepts and classifications

Productive activities	<ol> <li>Employment and related activities</li> <li>Production of goods for own final use</li> <li>Unpaid domestic services for household and family members</li> <li>Unpaid caregiving services for household and family members</li> <li>Unpaid volunteer, trainee and other unpaid work</li> </ol>
Personal activities	<ul> <li>6. Learning</li> <li>7. Socializing and communication, community participation and religious practice</li> <li>8. Culture, leisure, mass-media and sports practices</li> <li>9. Self-care and maintenance</li> </ul>

ICATUS and its relation to the forms of work\* and the SNA

\*19<sup>th</sup> International Conference of Labour Statisticians resolution concerning statistics of work, employment and labour underutilization

Intended destina- tion of produc- tion	For own final use Own-use production work			For use by others							
Forms of work									Volunteer work		
	Services		Goods	Employment (work for pay or profit)			Unpaid trainee work	Other work activities	Market and	Households producing	
									non- market units	Goods	Services
ICATUS 2016	4.3.UnpaidUnpaidcaregivingdomesticservicesservicesforforhouseholdhouseholdand familymembers		2.	1. Employment and related activities			5. Unpaid volunteer, trainee and other unpaid work				
		Production of goods for own final use	11. Employment in corporations, government and non-profit institutions	12. Employment in household enterprises to produce goods	13. Employment in households and household enterprises to provide services	53. Unpaid trainee work and related activities	59. Other unpaid work activities	for other 52. Unpaid c organiza	Unpaid direct volunteerin for other households <sup>b</sup>		
Type of work		Unpaid work baid care work and production for own final	, domestic on of goods				Unpaid work (community, volunteer, trainee work )				
Relation	Activities within the SNA production boundary										
to SNA		Activities inside the SNA general production boundary									

Note: Text in the "ICATUS 2016" row corresponds to the categories (major divisions or divisions) in the classification.

Core elements of the upcoming UN Guidelines on the production of timeuse statistics





**Linking information** 



### Questions capturing economic characteristics



International Classification of Activities for Time-Use Statistics – ICATUS 2016



A minimum list of 25 predefined activities + contextual information + probing questions





- 1. Working in paid job or income generating activities
- 2. Making goods for own household or family use
- 3. Volunteer work
- 4. Preparing and serving food and meals for own household or family members
- 5. Cleaning own or family dwelling
- 6. Maintaining and making small repairs in own or family dwelling
- 7. Cleaning and care of clothing and footwear of own household or family members
- 8. Managing own household
- 9. Taking care of pet of own household or family
- 10. Shopping for own household or family
- 11. Taking care of own (household or family) child
- 12. Taking care of or helping adults (own household or family)

- 13. Education
- 14. Socializing and communication
- 15. Community participation, civic and related responsibilities, and religious practices
- 16. Cultural, entertainment and sports events
- 17. Hobbies, games and other pastime activities
- 18. Sport participation and exercising
- 19. Reading for leisure
- 20. Watching TV/Listening to radio or streaming
- 21. Sleep
- 22. Eating and drinking
- 23. Personal hygiene and care
- 24. Travel
- 25. Other



### **Options & tools for data collection**

#### Digital & light diary instrument

- Permits self-completion by respondent and/or interviewer-assisted setting
- Drop down list of activities & pre-defined contextual information associated to activity
- Breakdown: location, with whom, for whom, information and communication technology (ICT) use
- Collect at least one simultaneous activity using a pre-defined list, which is a subset of the MHI list
- Built-in quality checks in the instrument for travel and basic physical needs (e.g. eating) to ensure a description of 24h

#### Stylized questionnaire

- Permits CAPI or CATI collection settings
- Asks a question for each of 25 recommended activities
- Probing questions may be required for some activities
- Contextual information and simultaneous activities are not asked as it cannot be linked to one single episode
- Quality checks to ensure coverage of 24h (reference day) or 168h (reference week)

### Digitalization - Applying latest technologies





Modernizing through electronic collection (whether self-completion or interviewer)

➤ collection cost (no more printing of questionnaire or diaries)

↗ quality and security / data protection

**↗** accuracy in registration of activities

➤ respondent burden (select activity from a pre-defined list or limit the number of questions)

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▶ processing time (no more verbatim answers to be recoded)





Light methods and modern solutions to produce time-use statistics are available

ICATUS 2016 as reference for agreed concepts and definitions on statistics on unpaid work obtained from time-use surveys

Importance of time-use statistics for informing economic and social policies ...including to "recognize"/measure unpaid household work (5.4.1) before it is valued in extended accounts

**Beyond GDP** 

# Thank you! Any questions?



Check our work!



**Department of Economic and Social Affairs** Statistics