



# Session V: Classification of activities on time use

## International Workshop on Time-Use Statistics

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## ➤ UNITED NATIONS statistical classification

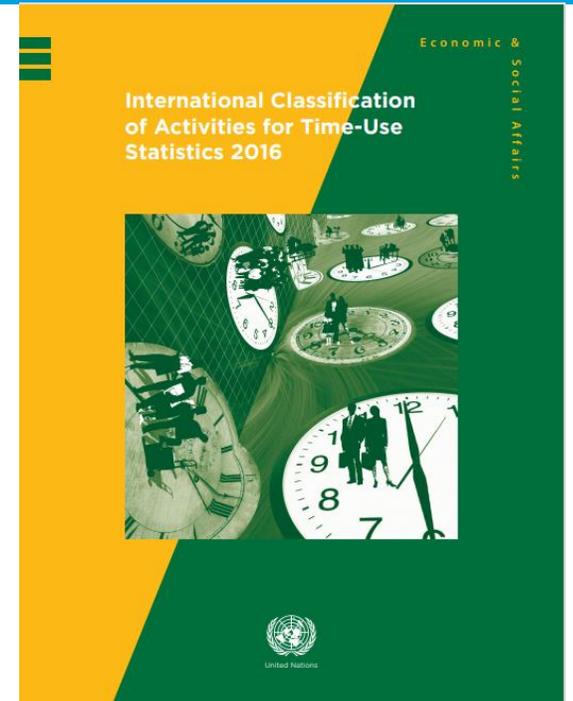
- UN Statistical Commission adopted it in March 2017
- Purpose: standard framework to produce meaningful and **comparable time-use statistics** across countries and over time (harmonization and comparability)

## ➤ Exhaustive classification of time-use activities

- Classifies all activities the general population may spend time on during the 24 hours in a day

## ➤ Consistent with latest international statistical standards (social and economic statistics)

- Developed based on **internationally agreed concepts**, definitions and principles to improve the consistency and international comparability of time use and other **social and economic statistics**



# ICATUS 2016 design principles

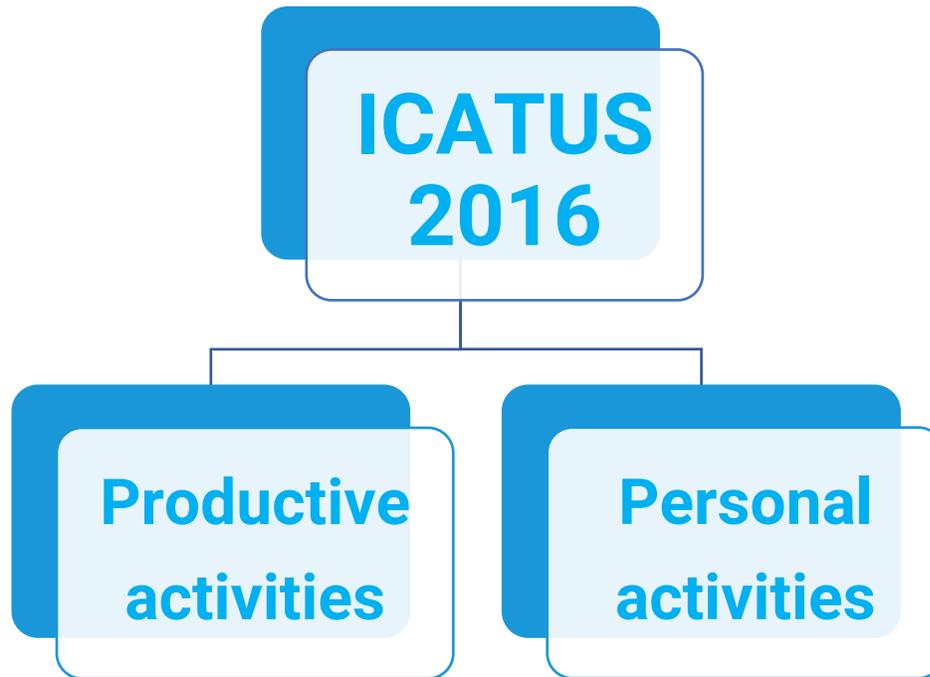
- **Mutually exclusive and exhaustive categories.** ICATUS can be used to classify each activity into one category of the classification without duplication or omission.
- **Comparability with other related national and international standard classifications.** The development of ICATUS drew upon international, regional and country experiences on time-use statistics and related classifications.
- **Categories are stable.** Current categories will remain unchanged unless major methodological developments are reflected.
- **Categories are well described.** ICATUS categories have titles that are in a standard format, and their explanations clearly mention which activities should be included and which should be excluded.
- **Categories are well balanced:** Not too many or too few categories

Possible to effectively, accurately and consistently distinguish between the categories in the classification based on the information available

# Main classification criterion “Productive” nature of an activity

## Basic principle for classifying activities:

Daily activities can be categorized into productive and non-productive in an economic sense



○ An activity is said to be **productive in an economic sense** if and only if it satisfies the third-person criterion

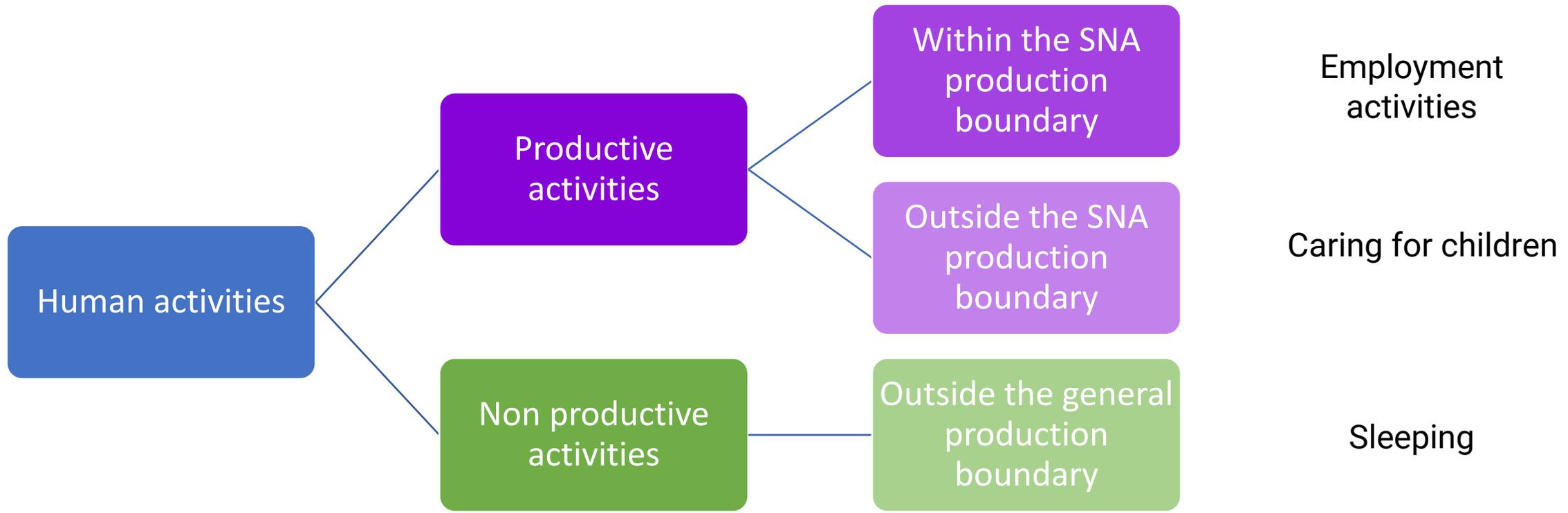
▪ **Third-person criterion:** the activity can be delegated to another person and yield the same desired results

▪ (e.g. eating, sleeping, learning) **are not productive:** They cannot be delegated to a third person and still yield the same results

○ Time spent on studying, socializing, exercising, and activities related to the **general well-being** of the population

Consistent and aligned with SNA to allow calculation of aggregates for Extended Accounts

# ICATUS 2016 conceptual frameworks: SNA production boundaries



### Definition of work

**Work comprises any activity performed by persons of any sex and age to produce goods or to provide services for use by others or for own use**

### *Forms of work*

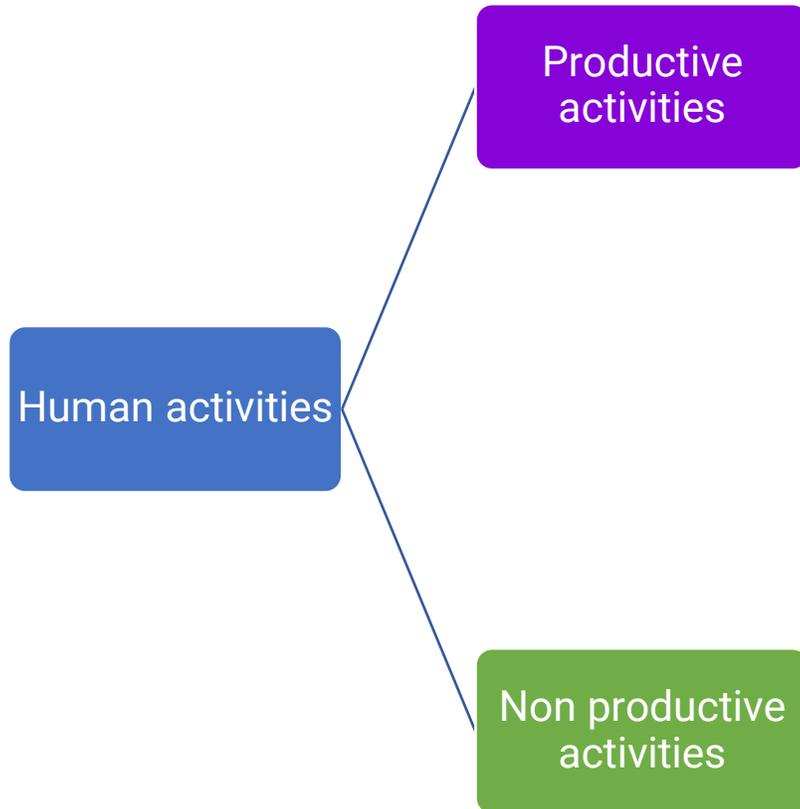
- a) own-use production work*
- b) employment work*
- c) unpaid trainee work*
- d) volunteer work*
- e) other mandatory productive activities unpaid to third parties*

***The categories are mutually exclusive, but persons can work simultaneously on more than one of them.***

# ICATUS 2016 conceptual frameworks:

## Forms of work relation to SNA 2008

Intended destination of production	For own final use		For use by others					
	Own-use production work		Employment (work for pay or profit)	Unpaid trainee work	Other work activities	Volunteer work		
Forms of work	Services	Goods				Market and nonmarket units	Households producing	
			Goods	Services				
Relation to SNA			Activities within the SNA production boundary (included in the GDP)					
	Activities within the SNA general production boundary (excluded from the GDP)							
Type of work	Unpaid work (unpaid care work, domestic work and production of goods for own final use <sup>a</sup> )		Paid work		Unpaid work (community, volunteer, trainee work )			



# ICATUS 2016 and its relation to the forms of work and the SNA

Intended destination of production	For own final use		For use by others						
	Own-use production work		Employment (work for pay or profit)	Unpaid trainee work	Other work activities	Volunteer work			
Forms of work	Services	Goods				Market and nonmarket units	Households producing	Goods	Services
	Activities within the SNA production boundary (included in the GDP)								
Relation to SNA	Activities within the SNA general production boundary (excluded from the GDP)								
	ICATUS 2016	4. Unpaid caregiving services for household and family members	3. Unpaid domestic services for household and family members	2. Production of goods for own final use	1. Employment and related activities <sup>c</sup>			5. Unpaid volunteer, trainee and other unpaid work	
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	51. Unpaid direct volunteering for other households <sup>b</sup>
14 Ancillary activities and breaks related to employment 15 Training and studies in relation to employment 17 Setting up a business 181 Employment-related travel					52. Unpaid community - and organization-based volunteering <sup>b</sup>				
Type of work	Unpaid work (unpaid care work, domestic work and production of goods for own final use <sup>a</sup> )		Paid work			Unpaid work (community, volunteer, trainee work)			

<sup>a</sup> "Production of goods for own final use" is within the SNA production boundary and part of the main national accounts. Therefore, despite being unpaid household work, it is not accounted in the calculation of household production satellite accounts, which cover only unpaid household service work.

<sup>b</sup> Depending on the activities and beneficiaries, unpaid volunteer work could be considered either within the SNA production boundary or within the general production boundary. All volunteer work for producing goods, including community-organized major construction, inter alia, of roads, dams and wells, is classified as being within the SNA production boundary. Unpaid volunteering work to produce services for the market is also accounted within the SNA production boundary. In contrast, unpaid volunteer services to other households, to the community, except organized major construction as noted above, to neighborhood associations and to other informal associations are activities within the general production boundary but outside the SNA production boundary. As a result, ICATUS categories may not be able to fully distinguish between volunteering activities within the SNA production boundary and those outside it. Nevertheless, experts agreed that ICATUS relevant categories would still produce meaningful statistics on total time spent on volunteering.

<sup>c</sup> Activities classified under : Division 16 Seeking employment and Group 182 Commuting are outside the SNA general production boundary and are not classified as work as no production takes place even though classified under ICATUS major division 1.

# ICATUS 2016 structure

Levels	Digits	Name	Number
First	One-digit	Major Divisions	9
Second	Two-digit	Divisions	56
Third	Three-digit	Group	165

Major division	Activity
1	Employment and related activities
2	Production of goods for own final use
3	Unpaid domestic services for household and family members
4	Unpaid caregiving services for household and family members
5	Unpaid volunteer, trainee and other unpaid work
6	Learning
7	Socializing and communication, community participation and religious practice
8	Culture, leisure, mass media and sports practices
9	Self-care and maintenance

# ICATUS 2016 structure

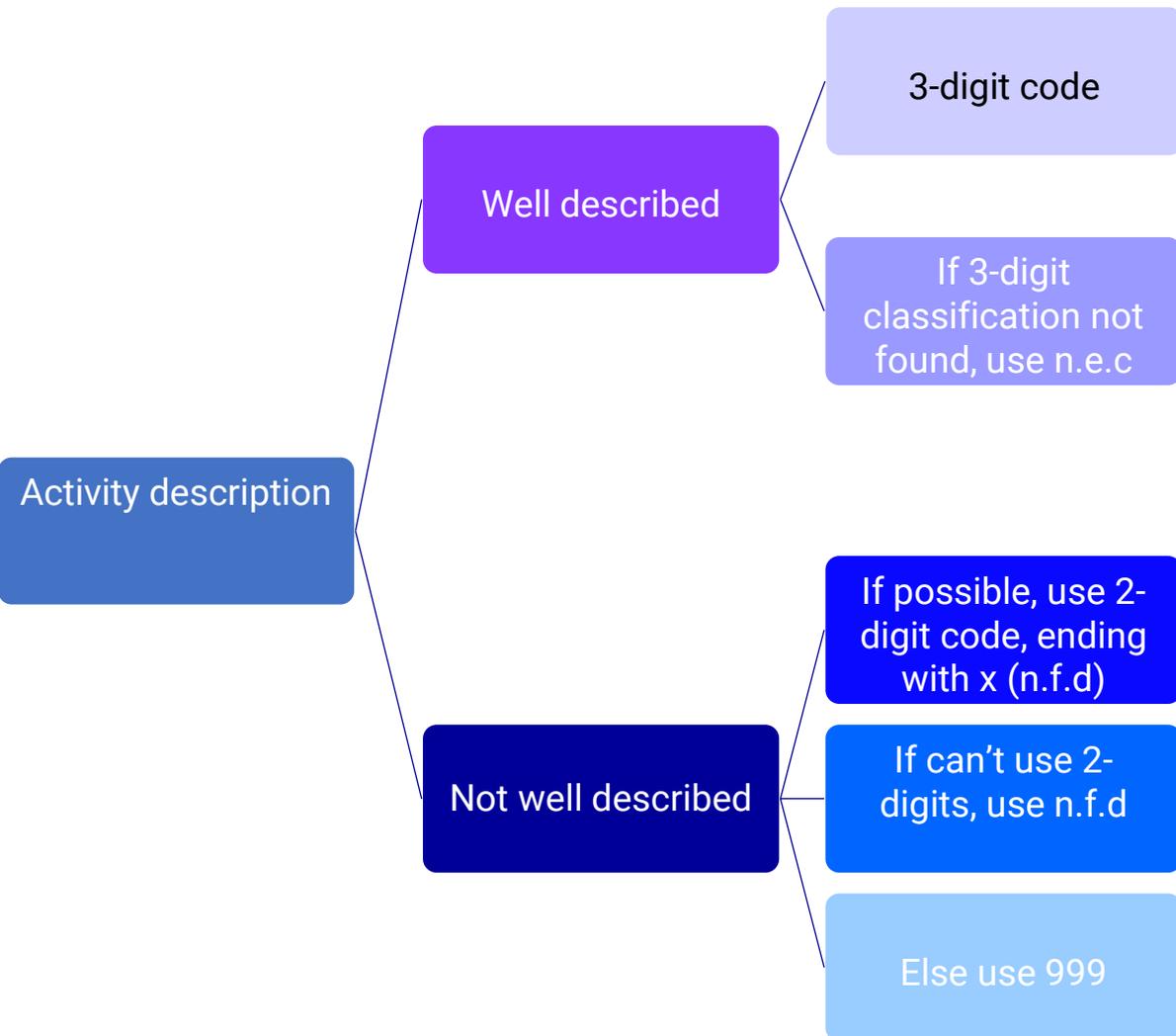
Major division	Division	Activity
3		Unpaid domestic services for household and family members
	31	Food and meals management and preparation
	32	Cleaning and maintaining of own dwelling and surroundings
	33	Do-it-yourself decoration, maintenance and repair
	34	Care and maintenance of textiles and footwear
	35	Household management for own final use
	36	Pet care
	37	Shopping for own household and family members
	38	Travelling, moving, transporting or accompanying goods or persons related to unpaid domestic services for household and family members
	39	Other unpaid domestic services for household and family member



# ICATUS 2016 structure

Major division	Division	Group	Activity
3			Unpaid domestic services for household and family members
	31		Food and meals management and preparation
		311	Preparing meals/snacks
		312	Serving meals/snacks
		313	Cleaning up after food preparation/meals/snacks
		314	Storing, arranging, preserving food stocks
		319	Other activities related to food and meals management and preparation

# Coding and rules related to ICATUS



**Rule 2:** If an activity is described well enough to be coded to the three-digit level, but no corresponding three-digit activity is found, use the three-digit code for **“other activities”**, which usually ends in **“9”**. If that particular activity is reported relatively often, it may warrant adding a new code in the country adaptation of ICATUS

**Rule 3:** If the activity description does not have enough information so that it is not possible to select a three-digit code:

- a. If there is sufficient information for coding at the two-digit level, then add or use a three-digit code ending with one “x”, which corresponds to the “not fully defined” category at the group level
- b. If there is insufficient information for coding even at the two-digit level, then add or use the “not fully defined” category at the division level
- c. If there is insufficient information for coding even to one of the tabulation categories, add or use code “999”

Yesterday, between 11 am and 11:30 am I was **cooking**?  
How do you classify this activity?

Yesterday, between 4pm and 4:30 pm, I was **looking after children**? How do you classify this activity?

*Yesterday, between 2 pm and 3 pm, I spent time reading*

**How do you classify this activity?**

## Reading a novel for my literature class

6	Learning
61	Formal education
62	Homework, being tutored, course review, research and activities related to formal education
63	Additional study, non-formal education and courses
64	Travelling time related to learning
69	Other activities related to learning

62	Homework, being tutored, course review, research and activities related to formal education
620	Homework, being tutored, course review, research and activities related to formal education

*Yesterday, between 2 pm and 3 pm, I spent time reading*

**How do you classify this activity?**

## Reading the Bible

7	Socializing and communication, community participation and religious practice
71	Socializing and communication
72	Participating in community cultural/social events
73	Involvement in civic and related responsibilities
74	Religious practices
75	Travelling time related to socializing and communication, community participation and religious practice
79	Other activities related to socializing and communication, community participation and religious practice

74	Religious practices
741	Private prayer, meditation and other spiritual activities
742	Participating in collective religious practice
749	Other activities related to religious practice

# Level of detail of the description of activities

*Yesterday, between 2 pm and 3 pm, I spent time reading*

**How do you classify this activity?**

## Reading a novel for fun

8	Culture, leisure, mass media and sports practices
81	Attending/visiting cultural, entertainment and sports events/venues
82	Cultural participation, hobbies, games and other pastime activities
83	Sports participation and exercise, and related activities
84	Mass media use <sup>35</sup>
85	Activities associated with reflecting, resting, relaxing
86	Travelling time related to culture, leisure, mass media and sports practices
89	Other activities related to culture, leisure, mass media and sports practices

84	Mass media use <sup>36</sup>
841	Reading for leisure
842	Watching/listening to television and videos
843	Listening to the radio and audio devices
849	Other activities related to mass media use

# Information required for coding: contextual variables

1. For whom the activity was carried out
2. Whether the activity was for pay or profit
3. With whom the activity was carried out
4. Location where the activity was carried out

# Boundary between unpaid domestic and care work and volunteer work

**UNPAID DOMESTIC AND CARE WORK** done for household and family members



You live here with your partner and children or other family members



Your sister lives here with her husband and children

Helping friends and neighbors with the provision of unpaid domestic and care services is **VOLUNTEER WORK**



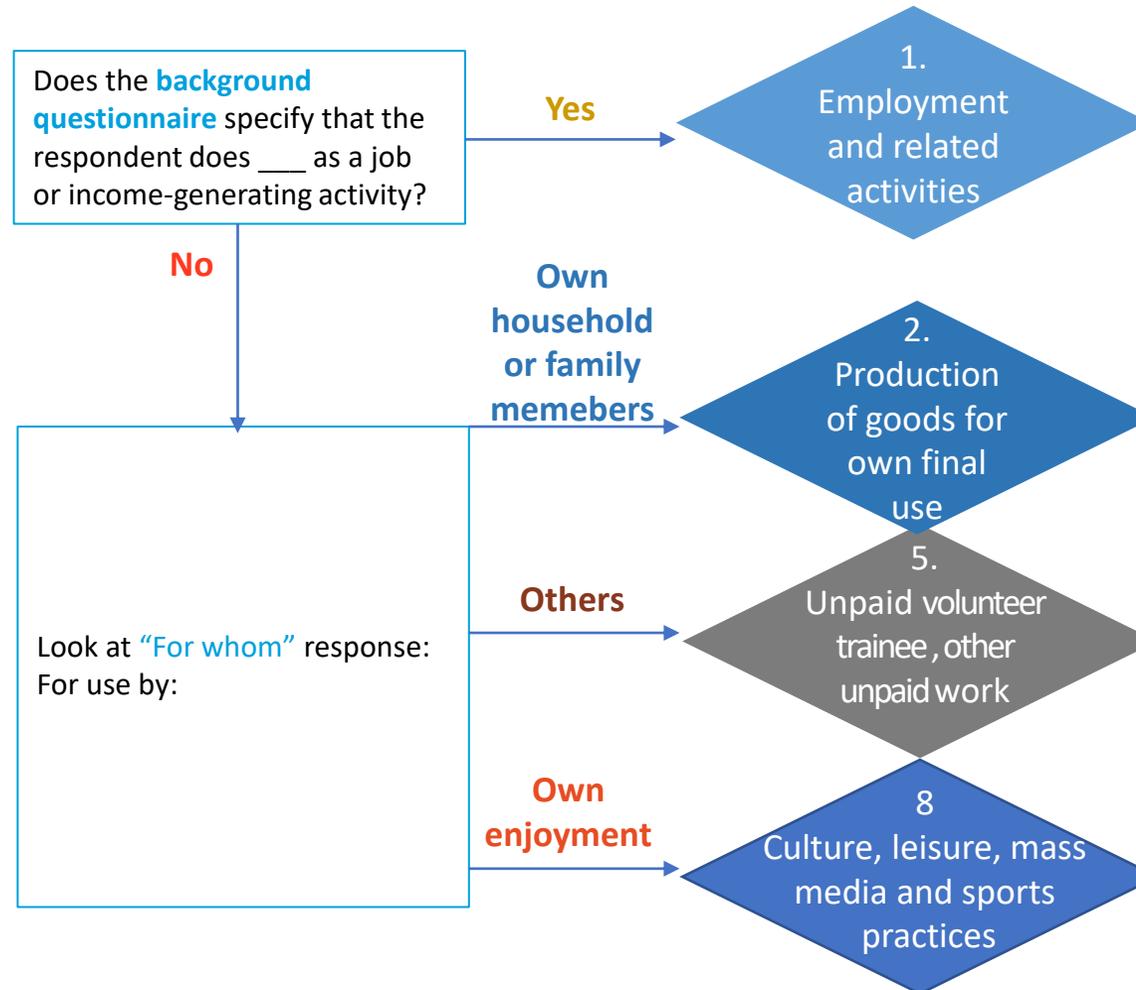
Your friend, neighbors live here

# Identify the final intended destination of the activity to avoid misclassification

Major division	Activity	
1	Employment and related activities	<b>PAID WORK</b> <b>MAIN</b> intended destination is the <b>market</b>
2	Production of goods for own final use	
3	Unpaid domestic services for household and family members	
4	Unpaid caregiving services for household and family members	<b>UNPAID WORK</b> <b>MAIN</b> intended destination is the <b>family and household</b>
5	Unpaid volunteer, trainee and other unpaid work	
6	Learning	<b>UNPAID WORK</b> <b>MAIN</b> destination is <b>other households</b>
7	Socializing and communication, community participation and religious practice	
8	Culture, leisure, mass media and sports practices	
9	Self-care and maintenance	
		<b>For oneself</b>

# Coding and rules related to ICATUS

Reported activity: **Fishing**



Yesterday, between 11 am and 11:30 am I was **cooking**?  
How do you classify this activity?

Yesterday, between 4pm and 4:30 pm, I was **looking after children**? How do you classify this activity?

# Test your knowledge

Does the **background questionnaire** specify that the respondent cooks as a job or income-generating activity?  
Or does a **contextual variable** indicate that the activity is for pay or profit

Cooking

Yes

PAID WORK

1. Employment and related activities

No

UNPAID WORK

“For whom” was this activity carried out

Household or family members

3. Unpaid domestic services for household and family members

Others

5 Unpaid volunteer, trainee and other unpaid work

# Test your knowledge

Does the **background questionnaire** specify that the respondent is a nanny/babysitter as a job or income-generating activity?  
Or does a **contextual variable** indicate that the activity is for pay or profit

Looking after children

Yes

PAID WORK

1. Employment and related activities

No

UNPAID WORK

“For whom” was this activity carried out

Household or family members

4 Unpaid caregiving services for household and family members

Others

5 Unpaid volunteer, trainee and other unpaid work