Moroccan Household Satellite Account: Methodology And Results

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Outline:

✓ Why a household satellite account?
✓ Internationale references
✓ SNA production boundary
✓ Methodology
✓ Household satellite account: Results
Why a household satellite account?

HHSA is based on expanding the SNA production boundary to include non-market household service production in order to

- Quantify the value of domestic work;
- Highlight household domestic production;
- Analyze the productive role of households;
- Assess the contribution of households to the national economy;
- Present an extended measure of living standards.
Internationale references

- System of National Accounts SNA 2008;
- UNECE Guide on Valuing Unpaid Household Service Work, 2017;
- Guidance Note on Unpaid Household Activities, ISWGNA, on Well-being and Sustainability
SNA production boundary

- Human activities
  - Productive activities
  - Non productive activities

- Within the SNA production boundary
- Outside the SNA production boundary
- Outside the general production boundary
Methodology

Activities considered in HHSA:

- Productive activities: if they can be delegated to someone else (third party criteria);
- Production of services;
- Unpaid activities.

➢ A special question to distinguish activities to take into account

<table>
<thead>
<tr>
<th>Did you do this work for</th>
<th>taken into account in the satellite account</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 salary</td>
<td>No</td>
</tr>
<tr>
<td>2 profit</td>
<td>No</td>
</tr>
<tr>
<td>3 yourself</td>
<td>yes</td>
</tr>
<tr>
<td>4 Household</td>
<td>yes</td>
</tr>
<tr>
<td>5 family</td>
<td>yes</td>
</tr>
<tr>
<td>6 Neighbors and friends</td>
<td>yes</td>
</tr>
<tr>
<td>7 Non Governmental Organization</td>
<td>yes</td>
</tr>
<tr>
<td>8 other</td>
<td>yes</td>
</tr>
</tbody>
</table>
Methodology

Activities considered:

- Food preparation
- House cleaning and maintenance
- Laundry and footwear care
- Shopping
- Transport
- Childcare and adult care
- Volunteer work
Methodology

Valuing production

Output approach

(quantity of services produced) \times (market price)

Input approach

sum of costs involved in the production of domestic services
Methodology

Input approach

Work value
+ other taxes on production
- other production subsidies

Net value added

consumption of fixed capital
+ Gross value added

intermediate consumption

Value of total output (sum of costs)
Methodology

Valuing Value added

- **Value of work:**
  - Volume of hours worked by activity (TUS)
  - Which wage / whose wage?
    - opportunity cost method: the assumption that the time spent on unpaid work reduces the time spent on paid work;
    - market replacement cost method: the assumption that households save money by doing housework themselves instead of buying market services or hiring someone else to perform the required tasks.
Methodology

Valuing Value added

- **Value of work:**

  market replacement method provides three options to use:
  - wages of specialised workers in market enterprises
  - wages of specialised workers at home;
  - wages of generalist or polyvalent workers.
Methodology

**Value of work (Moroccan practice):**

- Valuation (net salary)
- Average hourly wage of employees in the informal sector with professions equivalent to household activities:
  - The working conditions are similar to those of household work
  - The qualities of capital goods are similar
  - Productivity is similar to that of housework in general

..\Desktop\activities and hourly wages in moroccan household satellite account.xlsx
Methodology

Intermediate consumption

- consumer goods acquired by households are examined in detail (classified according to COICOP)
- Products used as an input for domestic production are considered as intermediate consumption and are affected to the users activities
- Products consumed by households without any transformation are considered as final consumption
- Household’s durables are considered as assets.

..\Desktop\bien et services-ci, cf, fbcaf Tunis.xlsx
Methodology

- **Consumption of fixed capital:**
  - Household’s durable goods are treated as capital acquisitions;
  - Series of households expenditures on durable goods;
  - Lifetime of each product;
  - Allocation by activity.
  - **CCF et impôts.xlsx**
Household satellite account: Results

Contribution to domestic VA by gender

- 98% of food preparation’s VA
- 82% of ‘caregiving’s VA

- 72% of transport services’s VA
- 58% of shopping’s VA

Domestic HH VA
19.4% of GDP

84%

16%
Household satellite account: Results

Women's and men's contribution to household’s domestic VA

<table>
<thead>
<tr>
<th>Activity</th>
<th>Women</th>
<th>Men</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food preparation and serving</td>
<td>98%</td>
<td>2%</td>
</tr>
<tr>
<td>Cleaning of the home and household management</td>
<td>99%</td>
<td>1%</td>
</tr>
<tr>
<td>Cleaning and care of clothes and footwear</td>
<td>88%</td>
<td>12%</td>
</tr>
<tr>
<td>Shopping for the household</td>
<td>58%</td>
<td>42%</td>
</tr>
<tr>
<td>Transport</td>
<td>72%</td>
<td>28%</td>
</tr>
<tr>
<td>Adultcare and Childcare</td>
<td>82%</td>
<td>18%</td>
</tr>
<tr>
<td>Formal and informal volunteering</td>
<td>63%</td>
<td>37%</td>
</tr>
<tr>
<td>Other</td>
<td>76%</td>
<td>24%</td>
</tr>
<tr>
<td>Total</td>
<td>84%</td>
<td>16%</td>
</tr>
</tbody>
</table>
Household satellite account: Results

Contribution of employed and ‘inactive and unemployed’ women to household’s work (en %)

<table>
<thead>
<tr>
<th>Activity</th>
<th>Employed</th>
<th>Inactive and unemployed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food preparation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Laundry and footwear care</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Childcare</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shopping</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adult care</td>
<td></td>
<td></td>
</tr>
<tr>
<td>House cleaning and maintenance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Volunteer work</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

www.hcp.ma
Average daily time spent on housework by employed and « inactive and unemployed » women (in h:mn)

- Food preparation: 2:28
- Laundry and footwear care: 0:29, 0:32
- Shopping: 0:06, 0:10
- Adult care: 0:01, 0:03
- House cleaning and maintenance: 0:39, 0:54
- Childcare: 0:20, 0:33
- Volunteer work: 0:02, 0:05

**Household satellite account: Results**

- Employed
- Inactive and unemployed
Household satellite account: Results

Contribution of girls and boys to households (millions of MAD)

- Food preparation: 2252 MAD
- House cleaning and maintenance: 1804 MAD
- Transport and shopping: 791 MAD
- Other services: 1171 MAD

Total: 6 billions of MAD

- Food preparation: 93 MAD
- House cleaning and maintenance: 150 MAD
- Transport and shopping: 1107 MAD
- Other services: 711 MAD

Total: 2 billions of MAD
VA of women unpaid household work compared to DGP and Manufacturing VA
thank you for your attention