



## Household Satellite Account

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# Two types of Satellite Accounts (SNA 2008): extra focuses or extensions

CORE SYSTEM						
NACE\ Sector	S12	S11	S13	S15	S2	S14
A						
B						
C						
D						
E						
F						
G						
H						
I						
J						
K						
L						
M						
N						
O						
P						
Q						
R						
S						
T						
U						

External  
(=extension)

Internal  
(=extra focus)

# Market vs. non-market producers in national accounts

## Market producers:

- Price of sold products covers the production costs (50% rule) => market output by market producers
- Counting from top to bottom - starting with output, ending with operating surplus:

$$\begin{aligned} & \text{output} - \text{intermediate} \\ & \quad \text{consumption} \\ & = \text{value added (gross)} - \text{CFC} \\ & = \text{value added (net)} - \\ & \quad \text{compensation of employees} \\ & \quad - \text{taxes} + \text{subsidies} \\ & = \text{operating surplus} \end{aligned}$$

## Non-market producers:

- Products are free or the price does not cover the expenses => non-market output by non-market producers
- Counting from bottom to top: output = sum of costs (no operating surplus)

$$\begin{aligned} & \text{compensation of employees} + \\ & \quad \text{taxes} - \text{subsidies} \\ & = \text{value added (net)} + \text{CFC} \\ & = \text{value added (gross)} + \\ & \quad \text{intermediate consumption} \\ & = \text{output} \end{aligned}$$

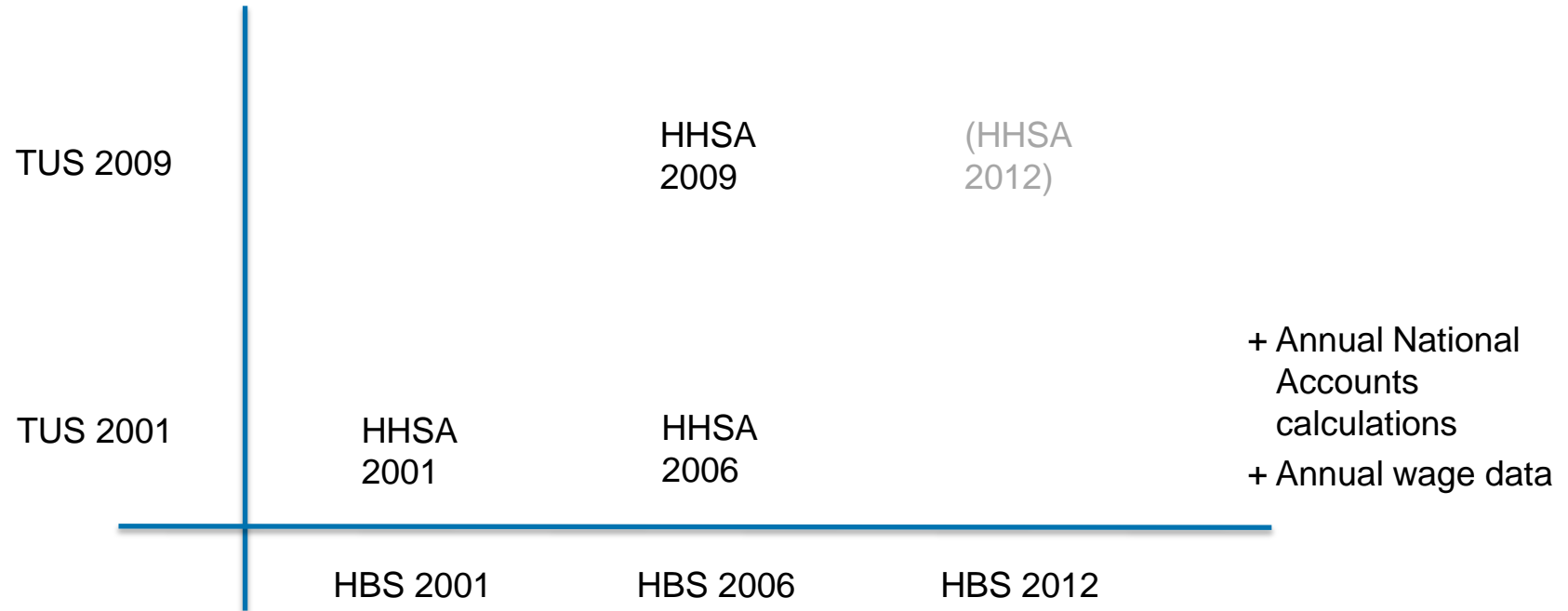
# Output approach

- Comparable with market output (value equal to market prices of similar products)
- The prices do cover the costs and (usually) include some profits (=operating surplus), as well
- In theory preferable method, in practice not used very much
  - Data does not exist (and the collection would be very expensive): food, travelling,...
  - How to deal with profit (=operating surplus)?
  - Guidelines not clear

# Input approach

- Comparable with non-market output
- Summing up the costs (does not include operating surplus)
- Data available via Time Use Survey => valuing unpaid work time by a suitable wage (or wages)
- Easier in practice and has been used in most of the studies about household production
- Needs also common practices and guidelines to produce comparable results between different countries and studies
  - Which wage concept and which wage?
  - Multitasking?
  - Division of household final consumption expenditure: final consumption, intermediate consumption, investments

# Data sources for Finnish calculations



### Extended GDP (billion EUR) in Finland

