



Primary and final energy consumption in ODYSSEE

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Given the different definitions of energy consumption between Eurostat statistics and EU directives and targets, we will consider in ODYSSEE data base and tools **two definitions** for each of the following energy consumption: **total, final** and **transport energy consumption**. This will be **applied from the next update (online publication in September 2020)**. **No change** needs to be done in the data of the template.

For the total energy consumption

- Total energy supply: same as TPES IEA
- **Primary energy consumption** = total energy supply
+ air international
- non energy uses
- ambient heat.

Note: *the primary consumption corresponds to the definition of the EU target of Article 3 of EED and to what Eurostat calls “Primary energy consumption (Europe 2020-2030)”*; it is very close to the previous definition used in ODYSSEE (difference due to ambient heat).

For the final energy consumption

- Final consumption (excl. air bunkers) = Final consumption of IEA-non energy uses
- **Final consumption (incl. air bunkers)** = Final consumption of IEA
- non energy uses
+ air international
- ambient heat

Note 1: *air bunkers= consumption for international aviation*

Note 2: *The final consumption (incl. air bunker) corresponds to the definition of the EU target of Article 3 of EED and to what Eurostat calls “Final energy consumption (Europe 2020-2030)”*; it is close to the previous definition in ODYSSEE (difference due to ambient heat).

For the transport consumption

- Transport consumption (incl. air bunkers)
- Transport consumption (excl. air bunkers)

In the **decomposition tool**, the **decomposition of energy consumption** will be done with these two definitions for the **total and final consumption and transport consumption** (through the option button). In the tool, the following items will be displayed:

By default	As an option
Total energy supply: same as TPES IEA	Primary energy consumption
Final consumption excl. air bunkers	Final consumption incl. air bunker
Transport consumption excl. air bunkers	Transport consumption incl. air bunkers

In the **energy savings tool**, we will show:

- the Primary energy consumption,
 - the Final consumption (incl. air bunker)
 - The energy savings, as defined before

In the **scoreboard** transport, indicators will exclude international air bunkers and the household indicators the ambient heat.