

Standard documentation Meta information

(Definitions, comments, methods, quality)

on

Energy accounts

This documentation is valid from/for the reference period/due day:
1999 onwards

Status: **20 April 2023**



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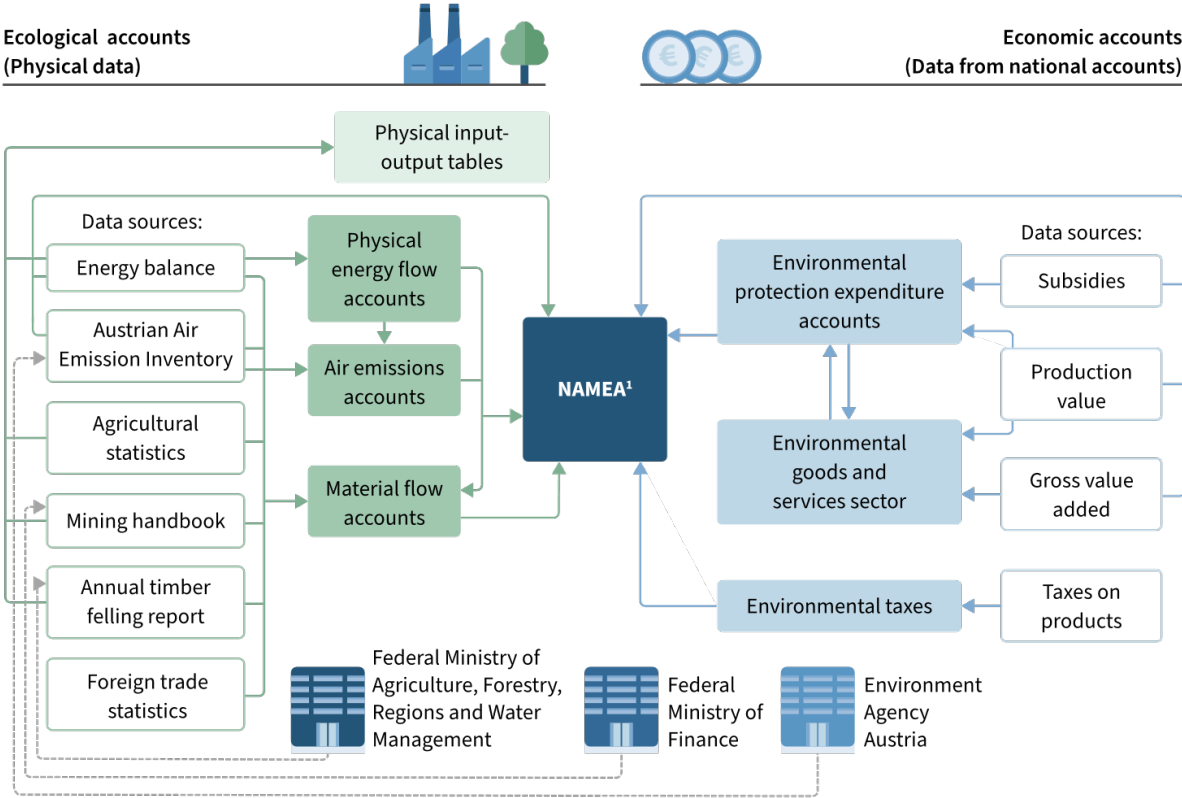
Executive Summary

Energy Accounts (EA) follow the System of National Accounts (SNA). EA use a multitude of data sources. They provide information about the supply and use of energy commodities in physical and energy units. The supply side consists of production and imports of energy commodities. The use side shows the intermediate consumption (IC) of energy commodities, their non-energy use, losses, stock changes, exports and the consumption of households.

In 2008, EA that were formally adapted to the structure of the SNA were calculated for the first time. The harmonisation of EA with the SNA was not limited to the sectoral breakdown but was also based on the residence principle – in contrast to the energy balances that are based on the territory principle. In 2016, time series were calculated back to 1999.

EA are part of the ecological (physical) accounts of environmental accounts. Among other data sources, its results enter the integrated NAMEA (National Accounting Matrix including Environmental Accounts) as well as the Material Flow Accounts (MFA). Figure 1 shows the system of environmental accounts in Austria.

Figure 1: System of environmental accounts



Source and graphic: STATISTICS AUSTRIA. Compiled on 30 January 2023. – 1) National Accounting Matrix including Environmental Accounts.

To calculate EA, a multitude of data is being used that have different sources and were surveyed with different goals in mind. Data come from primary statistical data collections by Statistics Austria (STAT), from other national organisations such as E-Control - the regulator of the power and gas market in

Austria - as well as from the Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology (BMK) or the Environment Agency. In the latter two cases, data come from administrative sources.

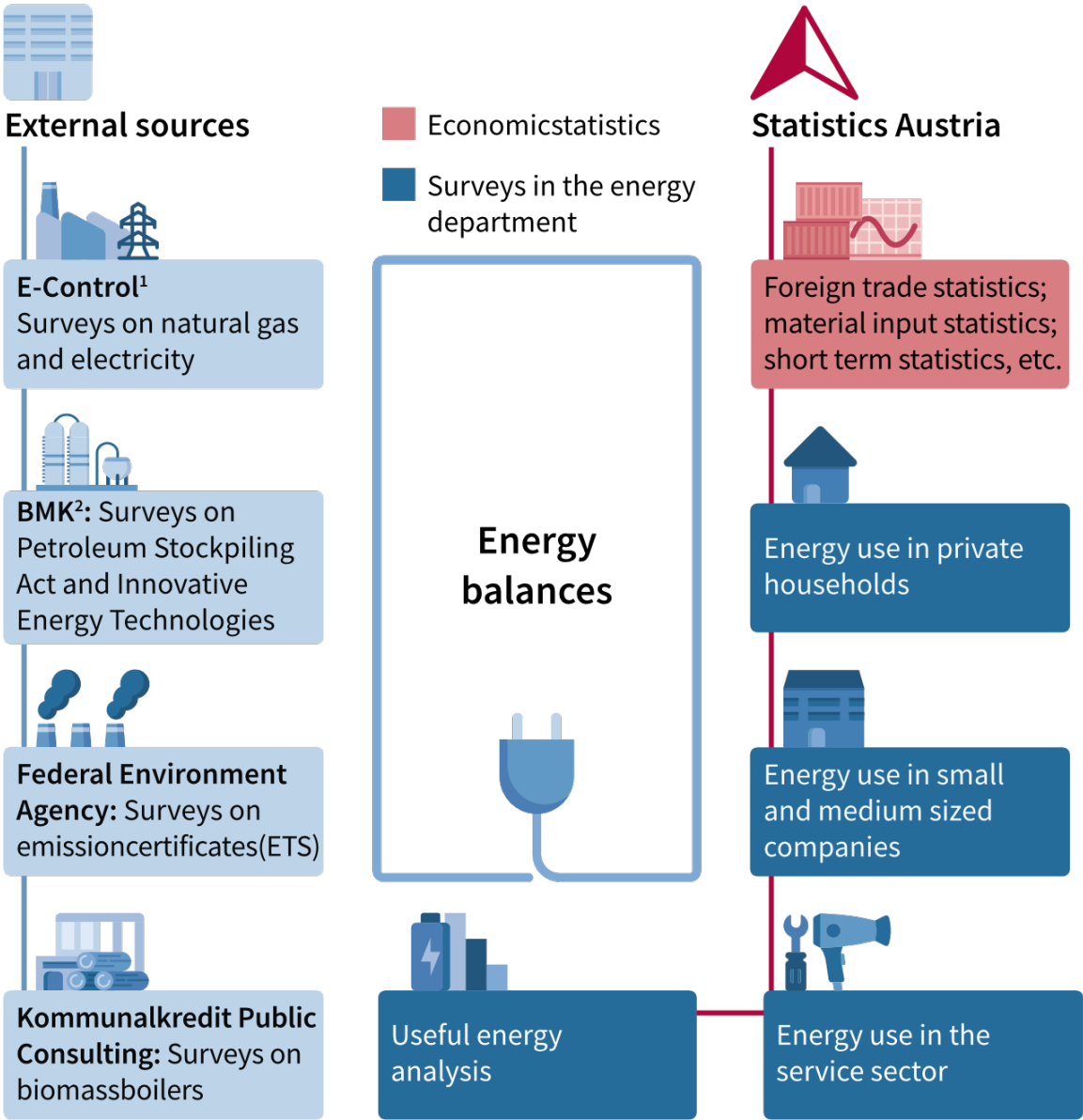
The primary statistical data collections on energy consumption have been improved continuously in past years (e.g. survey on energy consumption in the household sector as well as in the services sector). Further, the amount of surveyed energy products has been increased starting in 2008.

Apart from improving the data basis, internal checking routines in context of the calculation process as well as consistency checks serve to control and maintain data quality.

The different data sources are being aligned and if necessary adapted in the context of the generation of the energy balances following an energy product based approach. EA are based on mostly the same basic data as EB but follow different definitions and have different boundaries. Therefore, additional checks for consistency and cross checks with respect to the EB are being conducted during the generation of EA.

The most important data sources that form the basis of Austrian energy statistics and that have to be aligned are shown in figure 2.

Figure 2: Energy balances - data sources



Source and graphic: STATISTICS AUSTRIA. Compiled on 27 February 2023. –
 1) Government regulatory agency for gas and electricity. – 2) Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology (BMK).

Energy accounts – Main Key Points

Subject matter	Synoptic tables showing supply and use of energy commodities and energy flows in SNA format
Population	Not applicable
Type of statistics	Overall accounts
Data sources/Survey techniques	Material input statistics, Short term statistics; Electricity and natural gas statistics, Household energy consumption survey, Surveys on energy consumption in the service sector and in small and medium sized industries, Intra- and Extrastat, Biomass fired heating plants, Emission Trading data, Oil statistics
Reference period or due day	Time series starting in 1999
Periodicity	Annual
Survey participation (in case of a survey)	Not applicable
Main legal acts	Federal Act on Federal Statistics (Federal Statistics Act 2000) as amended
Most detailed regional breakdown	National level
Availability of results	Final data: t + 16 months
Other	Based on residence principle