

SMEU Software: Romania

BENEFICIARIES: Municipal Authorities

Target: Municipality's area of influence

ROLE:

Support for the Control & Monitoring activities of the Urban Energy Management:



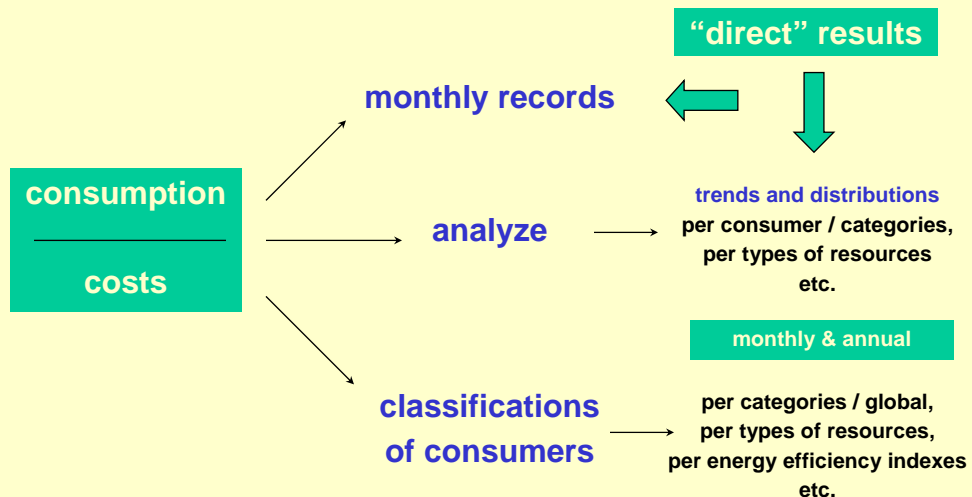
Setup of the priorities for the energy action plan of the municipality

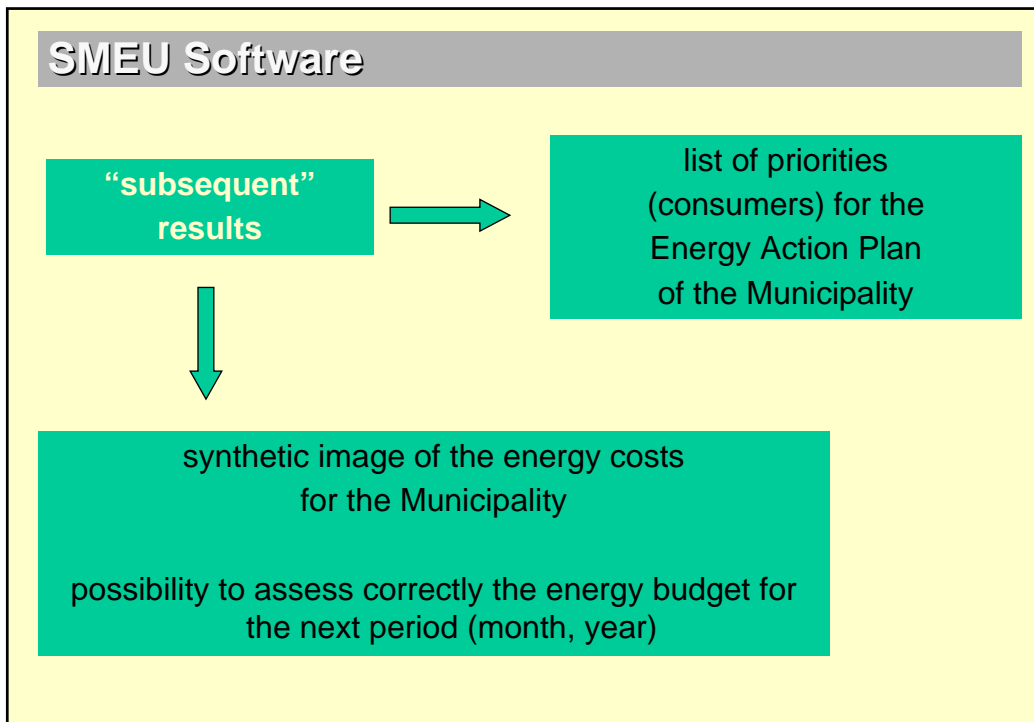


Assessment of the global energy costs & consumption

SMEU Software

OBJECTIVE: energy information: gathering, organization, use





SMEU Software

INPUT DATA “assisted” data introduction to limit the input errors

Types of data:

- energy consumption (on resources)
- energy costs (on resources)
- technical data & specifications related to the consumer
- statistical data (ex. outdoor monthly average temp.)
- contact person (name, position, phone, fax,email)

Sources for the data:

- suppliers of the energy sources
- consumers
- the local office of statistics

SMEU Software - Locality Module

annual data

area
population
monthly average temperature

generalities about the
municipal buildings
(no. of buildings, dwellings...)

contact persons

SMEU Software - Suppliers Module

monthly data

ELECTRICITY	industry	households
	agric. & forestry	public lightning
	public institutions	water supplying
	commerce	others

HEAT	industry	households
	public institutions	others
	commerce	others

NATURAL GAS	industry	households
	agric. & forestry	others
	public institutions	

contact persons

SMEU Software - Consumers Module

monthly data

Public Lighting

Public Transport

Water Supplying

Buildings of Public Institutions

SMEU Software - Consumers Module

Public Lighting

electricity consumption

electricity cost (local currency)

exchange rate for EURO

number & power of bulbs
(incandescent, mercury & sodium vapors)

contact person

SMEU Software - Consumers Module

Water Supplying

electricity consumption
electricity cost (local currency)
exchange rate for EURO

quantity of water supplied

E.E. INDEX: specific cons. = electricity cons. / water quant.

contact person

SMEU Software - Consumers Module

Buildings of Public Institutions

CATEGORIES

administrative
education
kindergarten
spectacle hall
cultural center (library, museum...)
health center (hospital, policlinics...)
social center (elders house, orphan ...)
sport center
other types

Building Data

Energy Data

SMEU Software - Consumers Module

Buildings of Public Institutions

ENERGY EFFICIENCY INDEXES

- **electricity specific consumption**
electricity / useful area
- **equivalent specific cons. for heating the heated area**
(heat+natural gas+LLF+fire wood+coal) / heated area
- **equivalent specific cons. for heating the heated volume**
(heat+natural gas+LLF+fire wood+coal) / heated volume