

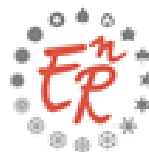


AYEP

SUSTAINABLE ENERGY DEVELOPMENT AGENCY BULGARIA



SEDA



ODYSSEE-MURE

Policy evaluation and newly implemented measures in
National Energy and Climate Plan in Bulgaria

Tsvetomira Kulevska
SEDA Bulgaria

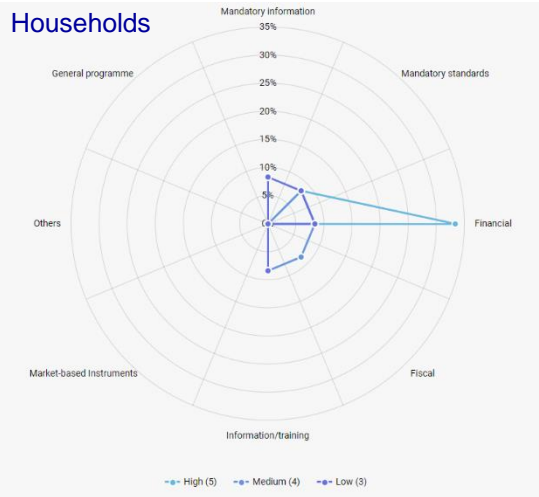
Second meeting of the project "ODYSSEE-MURE"

Virtual, 12 November 2020

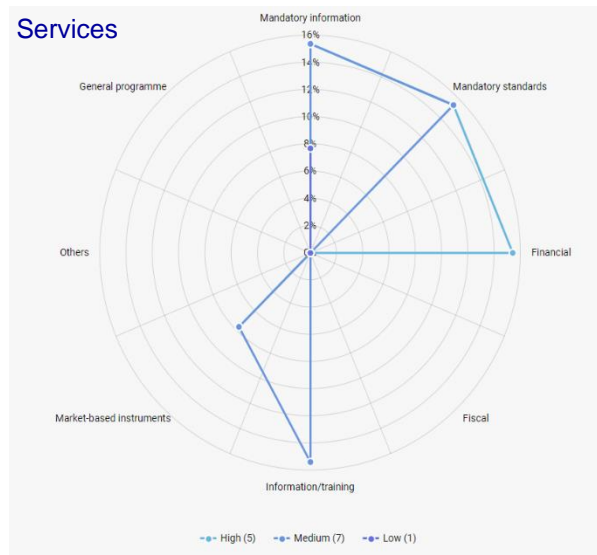
MURE database - measures by qualitative impact

46 ongoing measures

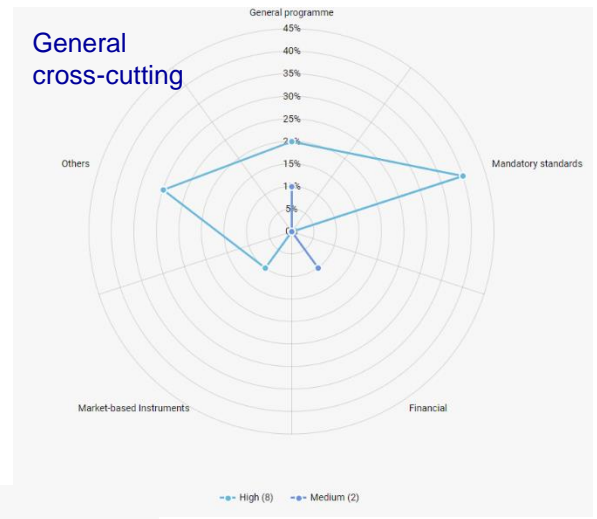
Households



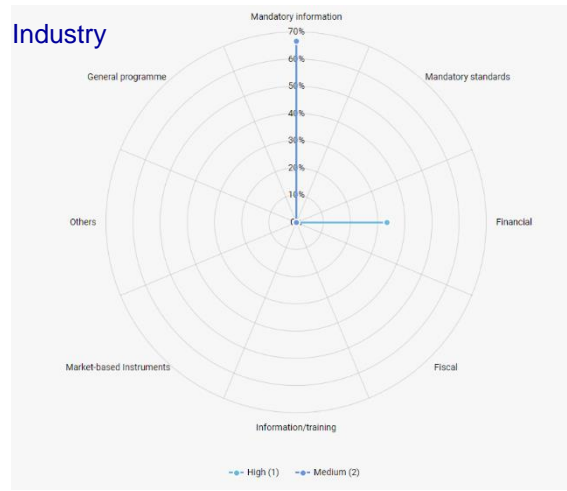
Services



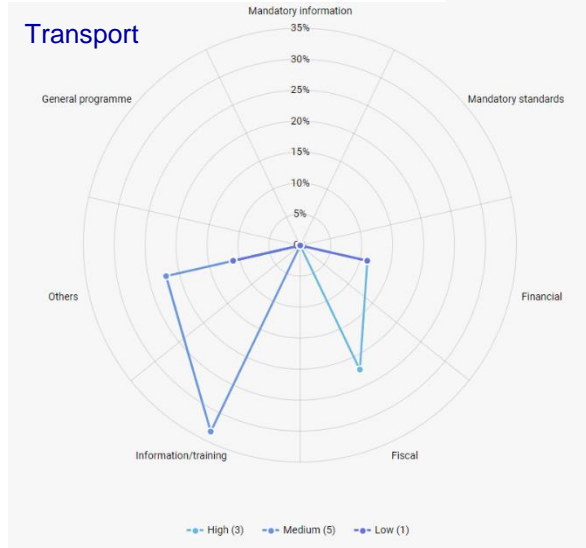
General cross-cutting



Industry



Transport





Annual report on NEEAP implementation, March 2020

Top-Down

National statistics and
Eurostat

Energy consumption by
sectors
Trends Analyses

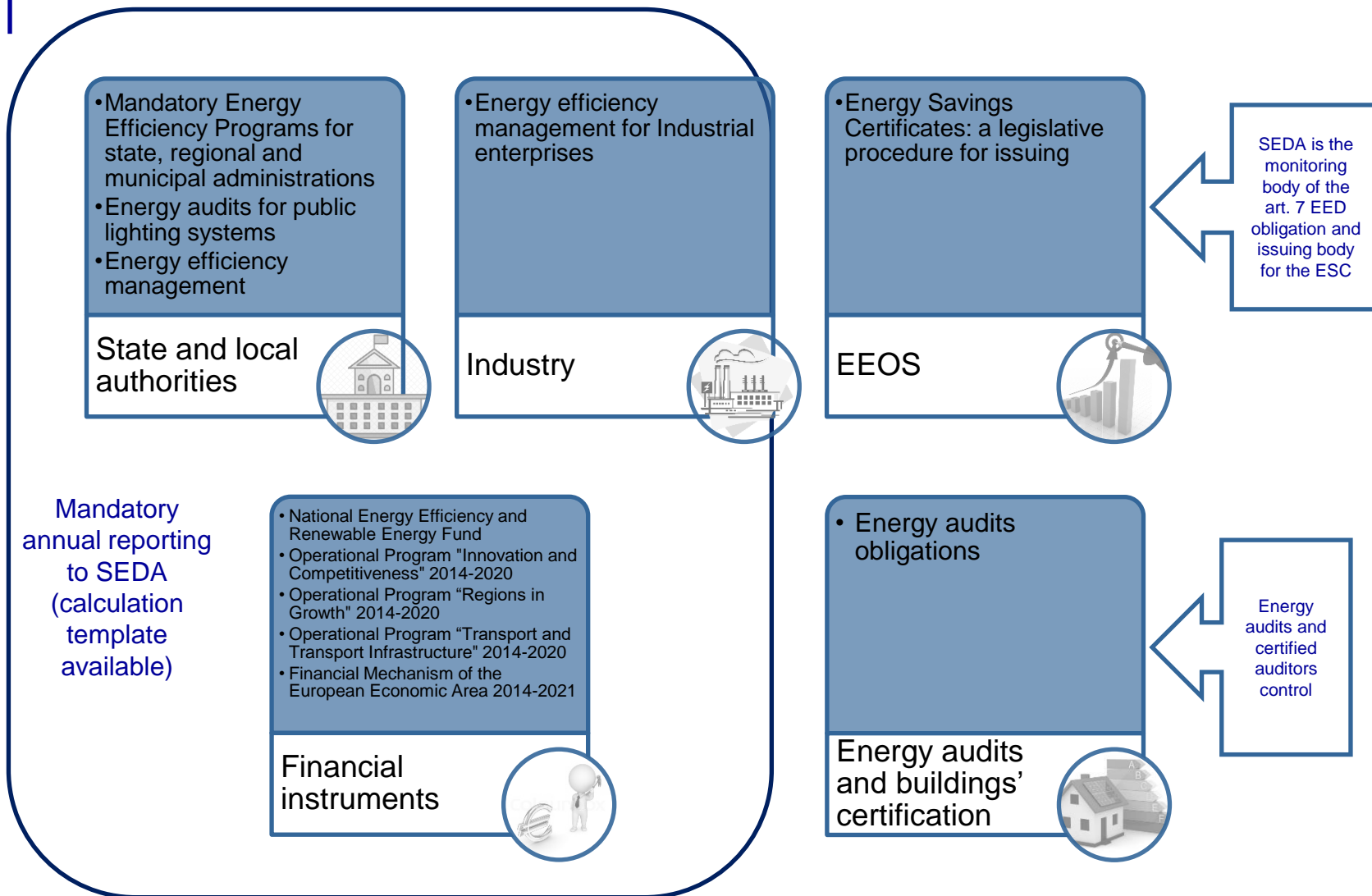
Bottom-Up

Mandatory annual
reporting by obligated
persons
Energy Savings
Certificates (EEOS)

Mandatory annual
reporting by financial
mechanisms

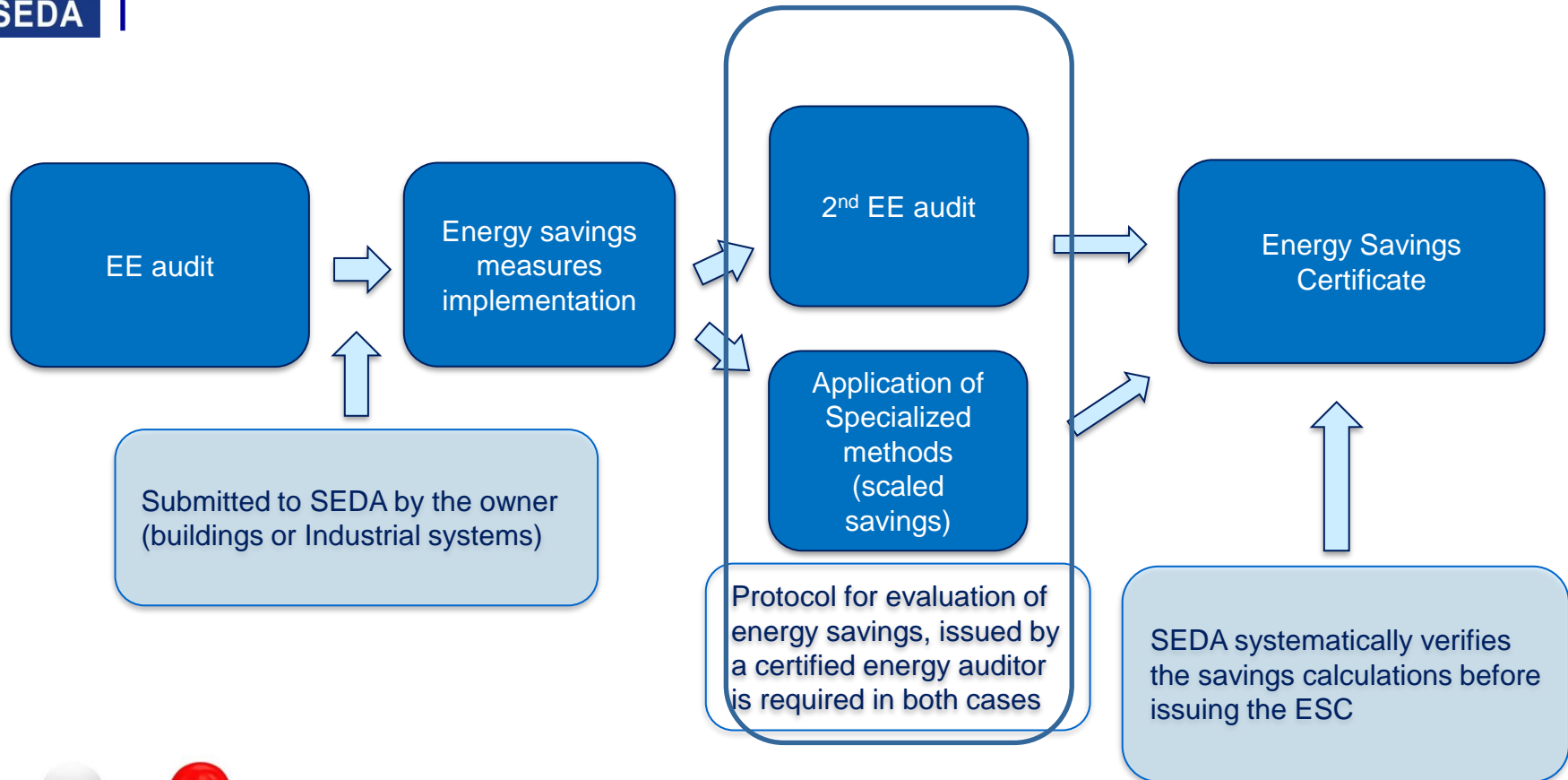


Bottom-Up approach – Information flow





Energy Savings Certificates – issuing process





Scaled savings application

One type of measure – one specialized method
Applicable for every final consumer

When is applicable?

- Establishing robust measured data for a specific installation is difficult or disproportionately expensive
- There is a multiplication of measures (i.e. 100 air-conditioners for households)
- The measures' implementation is not after an audit or the owner is not obligated to undertake an audit

Who develops and who approves the methods?

- Everyone with technical expertise
- The method is submitted to SEDA
- Special team of external experts evaluate each method (representatives of technical universities, energy auditors, obligated parties, etc.)
- SEDA submits the method to Ministry of Energy for adoption
- SEDA publishes each adopted measure at its Web page

Who applies the specialized methods?

Energy auditors in SEDA's public register calculate and verify the savings

Currently 36 scaled savings methods in all sectors are approved and can be applied

Examples of successful measures – Industry

Annual report on NEEAP’s implementation, March 2020

1. Mandatory energy efficiency management in enterprises and industrial systems

Annual reporting to SEDA (deadline 1 March, template for reporting, incl. calculation sheet);

Bottom-up assessment by summarizing and analyzing the information received by 1 March on the measures implemented by the owners of enterprises and industrial systems.

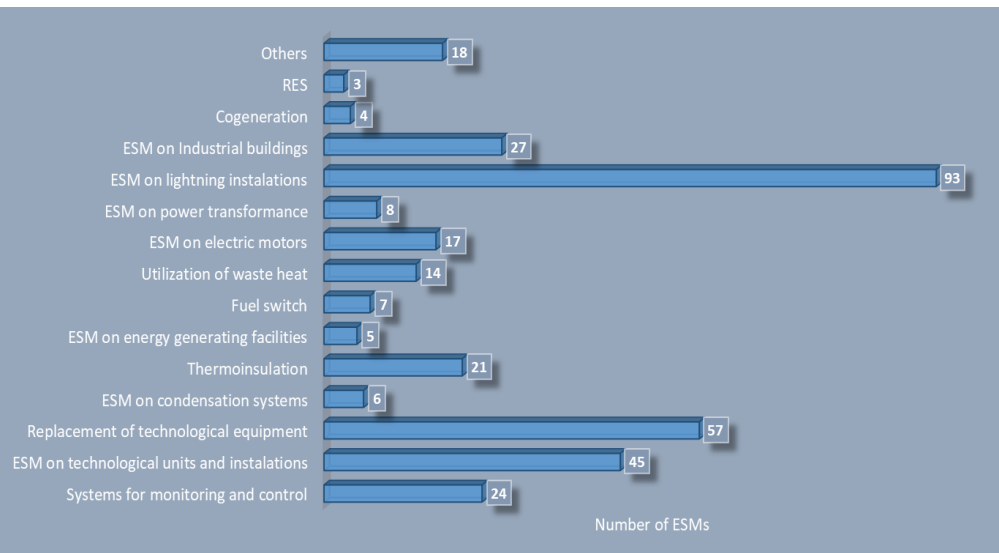
2. Operational Program “Innovation and Competitiveness”
Results up to 31.12.2019

Energy Efficiency for SMEs

- 255 projects
- 116 mln. BGN (grant component)
- 387 GWh/ann. energy savings

Energy Efficiency in Large Enterprises

- 18 projects
- 26 mln. BGN (grant component)
- 105 GWh/ann. energy savings



Energy savings 2019 – 283,7 GWh/ann.
CO₂ emissions savings 2019 – 98,2 ktCO₂/ann.



NECP and LTRS measures

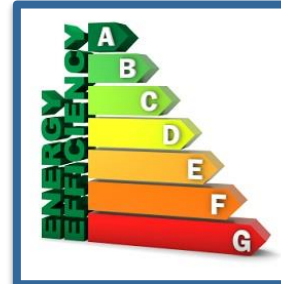


All measures from the current period continue
Modification of art. 7 measures

A roadmap with specific targets for residential and non-residential buildings

Packages of policies in 3 strategic priorities – legislative, financial, capacity building and information

Additional focus - smart technologies, well-connected buildings and energy communities, skills and education



New National Decarbonization Fund (horizontal measure)



National Recovery and Resilience Plan

Total budget – 6 bln. Euro



Circular and low carbon economy

EE for residential, state and municipal and industrial buildings and public lightning

National Decarbonization Fund - supporting investments in low-carbon development through sustainable and targeted financing of a wide group of energy end-users; technical assistance for projects development



Thank you!

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