

**SIEA**

SLOVAK INNOVATION  
AND ENERGY AGENCY

# **streamSAVE and its replication potential to support EE policies – example from Slovakia**

Jan Magyar, streamSAVE/DEESME final event, Brussels 06.06.2023

# Content

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- **EE monitoring at national level**
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## SIEA context

### SIEA

- Preparation of documents for **energy legislation** and **strategic and program documents** in energy and for **financing** projects that contribute to the fulfillment of the goals of the Integrated National Energy and Climate Plan;
- **Monitoring and evaluation of energy efficiency** and use renewable energy sources in Slovakia;
- **Education and examinations** of energy specialists;
- Projects and support programs:
  - National project Green for households II + III
  - National project Expansion of energy efficiency monitoring
  - National project Energy professionally
  - Technical assistance for guaranteed energy services in the public sector
  - National project Live by Energy
  - International projects

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## Demand for EE monitoring at national level

### Increasing targets in the area of energy savings



- classic EE policies/measures are slowly being exhausted
- the need for new EE policies/measures
- substantiated determination/calculation of the corresponding savings  
(bottom-up approach)



How to calculate it in harmonized way (for reporting)?  
Where to find additional energy savings?

Transport, e-mobility, heat pumps, energy poverty, behaviour change ...

## Value added from streamSAVE (non-exhaustive)

### List of 10 priority actions

(identified as previously unexploited energy saving actions)

- In-depth analysis of evaluation/calculation methodologies supporting national efforts **helping effectively implement, monitor and redesign policies under Article 3 and 7 of the EED**
- Support of **on-line platform helping exchange of knowledge and experience** concentrated to one place in the community of experts

# Value added from streamSAVE (non-exhaustive)

## Knowledge & support facility

- Evaluation calculation methodology on consensual basis – harmonization
- Supported by analysis/reports of existing methodologies in individual countries on PAs
- Practical guidance with explanations
- Presentations + videos
- Calculators and excel sheets enabling to see the impact of changing boundary conditions
- Reference values at EU level and national level with possible adjustments in calculation procedures

## Forum

- Exchange of views, articles, contributions to discussions on targeted methodologies

## Training

- possibility for discussion/exchange of views on methodologies with their creators, direct discussion on new potentially interesting policies/measures/actions

## Lessons learnt / potential applications in Slovakia

### Reference values for comparison/adjustment

**Example – ODYSSEE-MURE expert estimations for EE indicators**

**Mobility – Background data - vehicle-km for different modes of transport (personal cars, buses etc.)**

- **Discussion on methodologies and boundary conditions for values/limitations of methodologies**

## Lessons learnt / potential applications in Slovakia

### Update of national catalogue of EE measures & methodologies for calculation of savings

#### Example – Reporting of energy savings (e.g. NECPs)

New potential policies/measures

(reducing the gap between the target and reality)

- Analysis of existing calculation methodologies, optimization of existing data collection
- Covering of new policies/measures
- Discussion on limitations/boundary conditions

Behavioural change, e-mobility – electric vehicles, trucks, modal shift ...



## Lessons learnt / potential applications in Slovakia

### Support for creation of new policies/measures/actions

**Example – Replacement of electric motors in industry (from energy audits)**

Proposal for creation of new targeted national policy



Definition of energy savings potential using calculation methodology (optimization of impact)



Results: Energy savings – reduction of energy costs

Increased competitiveness

Reporting of savings – **WIN-WIN situation**

**Example – Application of heat pumps (small/medium scale RES in buildings)**



Impact on savings and on infrastructure (optimization - quasi-modeling of boundary conditions)

# Thank you for your attention!

Jan Magyar  
Project manager / Expert

[jan.magyar@siea.gov.sk](mailto:jan.magyar@siea.gov.sk)