Energy performance and savings in Data Centres

22 January, 2026
THURSDAY
11:00 - 12:15
CEST, online

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Today's agenda

- Energy savings calculation for IT equipment and systems in data centres

  Pedro Moura (ISR – Coimbra University)

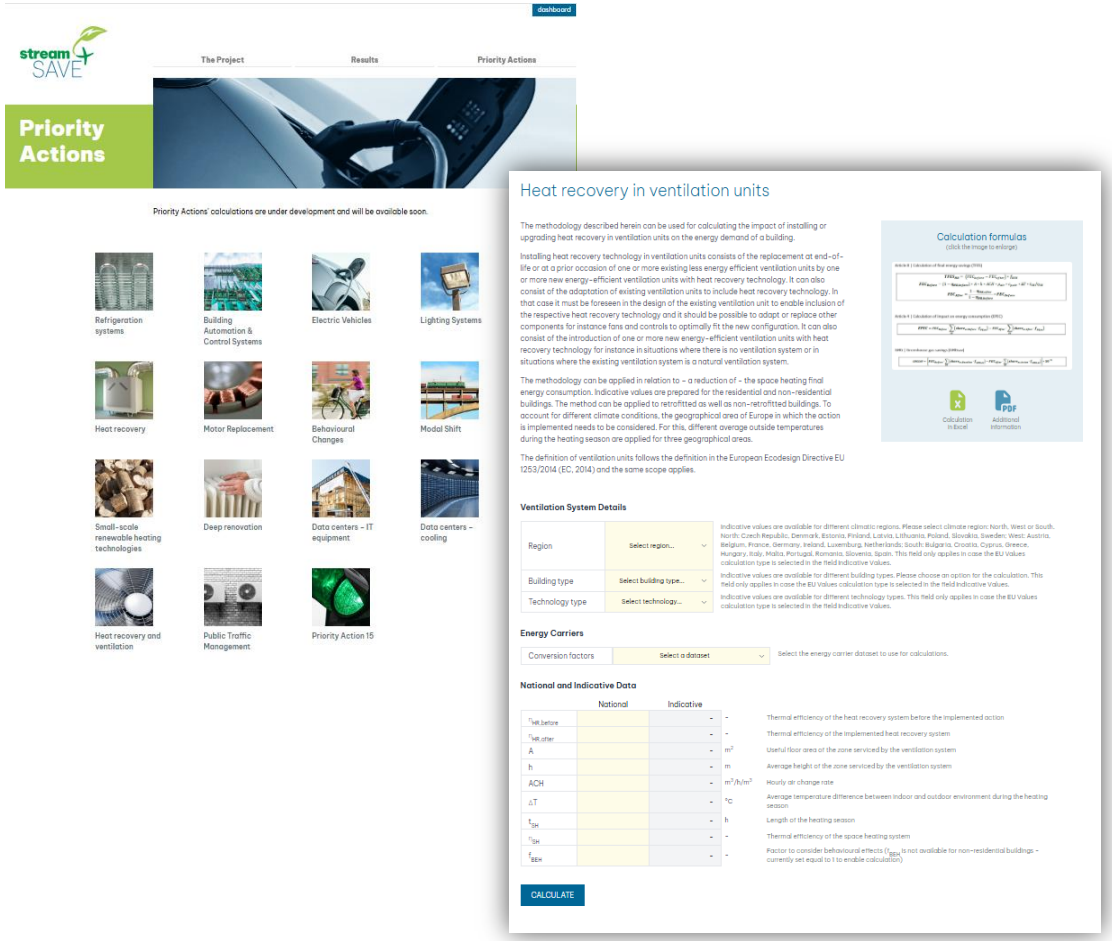
- Energy savings calculation for cooling of data centres

  Matevž Pušnik (Jozef Stefan Institute)

- Assessment of the energy performance and sustainability of data centres in the EU

  Simon Hinterholzer (Borderstep Institute)

streamSAVE+ platform



- Website + calculation platform in one place
- Website:
  - Project information
  - Results including Dialogue Meetings summaries
  - **Priority Actions and calculations** (soon all 15)
  - **Case studies** (27) currently under preparation
  - Contact Information
- Calculation Platform
  - Registration/login page
  - Original 10 StreamSAVE Priority Actions
    + 5 new StreamSAVE+ Priority Actions
  - Developed on website including all advantages

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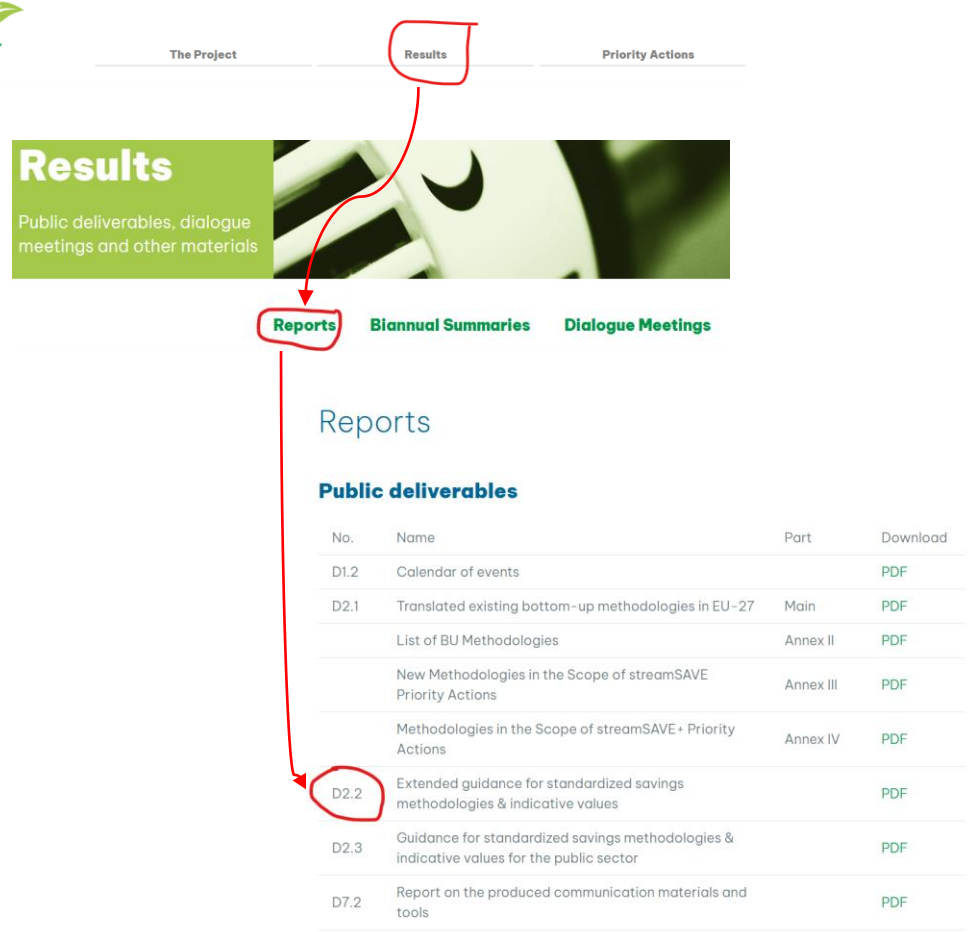
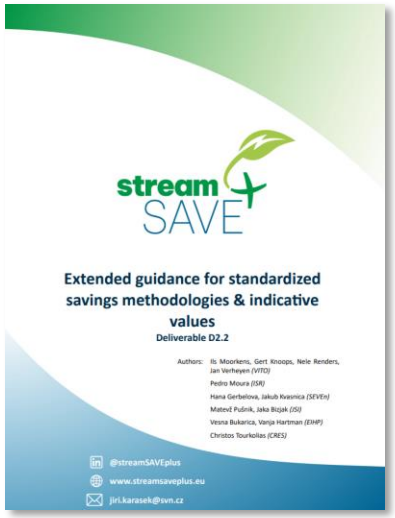
streamSAVE+ - New Methodologies!



https://streamsaveplus.eu/article/7-reports



- Deep renovation of buildings
- **Data centres** – IT equipment and systems
- **Data centres** – Cooling
- Heat recovery in ventilation systems
- Public traffic management

- **National workshops** in 9 countries, in your language → you may contact your country leads to join
- Countries: SEVEn – Czechia, CRES – Greece, VITO – Belgium, ISR – Portugal, EIHP – Croatia, AEA – Austria, EnEffect – Bulgaria, JSI – Slovenia, LEA – Lithuania

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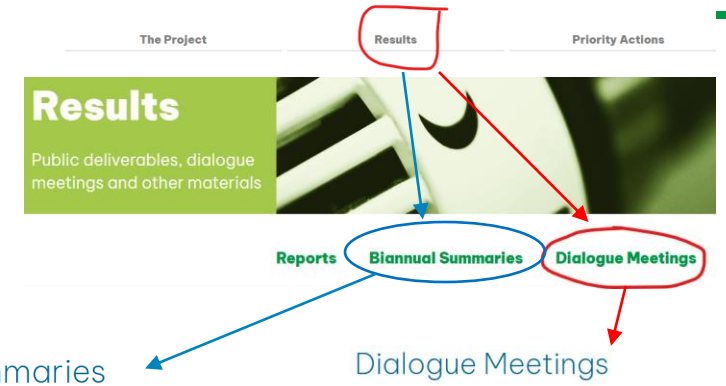
streamSAVE+ - Dialogue meetings



Biannual Summaries

- Dialogue Meetings |Bi-annual Summary July 2024 to December 2024
- Dialogue Meetings |Bi-annual Summary January 2025 to June 2025
- Dialogue Meetings |Bi-annual Summary July 2025 to December 2025

https://streamsaveplus.eu/article/8-biannual-summaries

Dialogue Meetings

StreamSAVE+ dialogue meetings

- Dialogue meeting 1: Assessing energy savings from deep retrofit programmes
- Dialogue meeting 2: Assessing energy savings from water conservation measures
- Dialogue meeting 3: Energy savings in companies: technology-focused vs. system approach
- Dialogue meeting 4: Local energy savings in national monitoring
- Dialogue meeting 5: Data centres & savings data: from potential to action
- Dialogue meeting 6: Energy savings from heat recovery in ventilation systems
- Dialogue meeting 7: Energy savings from public traffic management
- Dialogue meeting 8: Energy savings from deep renovations in buildings

StreamSAVE dialogue meetings

Predecessor project streamSAVE (2020-2023) received funding from the H2020 Programme under grant agreement N° 890147.

- Kick off dialogue meeting I
- Dialogue meeting II (BACS)
- Dialogue meeting III (Public Lighting)
- Dialogue meeting IV (Electric Vehicles)

https://streamsaveplus.eu/article/9-dialogue-meetings

What's next?

Tuesday 24 February

streamSAVE+ Dialogue Workshop: **Data** for energy savings calculations: insights from key **databases** at EU and national level

And more to come!

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№ 1 April 2025

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- DIALOGUE #3 OVERVIEW
- DIALOGUE #4 OVERVIEW
- WHAT TO EXPECT

NEWS OF THE MONTH

- DIALOGUE #3 OVERVIEW

EXPLORING INDUSTRIAL ENERGY EFFICIENCY

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The third streamSAVE+ dialogue, held on 6 March 2025, explored what delivers more impact in industry: investing in new technologies or adopting a system-wide approach to managing energy use.
Participants discussed practical examples from across Europe, highlighting the strengths and limitations of each strategy. The session also tackled challenges in monitoring energy savings and aligning approaches with the Energy Efficiency Directive.

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João Fong (ISR – Coimbra University) showcased how optimising entire motor systems – rather than replacing individual components—can unlock greater efficiency gains.
Lisa Neusel (Fraunhofer ISI) added insights from Germany's national programme on energy and resource efficiency, pointing to the importance of robust monitoring and the challenges of implementing effective policy measures.
The discussion reinforced the value of combining technical innovation with a broader systems perspective to meet the goals of the Energy Efficiency Directive.

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