

# streamSAVE+

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How data centres are addressed in  
streamSAVE+

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Ab meeting  
online

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# IT Efficiency Improvements in Data Centres

## ✈ Key Focus:

- Evaluates energy savings from improving IT equipment efficiency.
- Targets servers, storage devices, and networking equipment.
- Technology measures like:
  - Server virtualisation and consolidation.
  - Energy-efficient hardware deployment.
  - Workload scheduling and power-saving modes.
  - Storage tiering and deduplication.
  - Efficient network topologies.

## ✈ Factors Considered:

- Data centre size and IT power capacity.
- Energy consumption of ICT equipment.
- ICT energy distribution across servers, storage, and networking.
- Energy savings by type of efficiency measure.

# Cooling Efficiency Improvements in Data Centres

## ✈ Key Focus:

- Measures energy savings from upgrading cooling infrastructure.
- Based on improvements in Power Usage Effectiveness (PUE).
- Existing and upgraded cooling technologies:
  - Variable-speed CRAC/CRAH units.
  - Free cooling (air/water economizers).
  - Chilled water systems.
  - Liquid cooling (direct-to-chip, immersion).
  - Thermal energy storage systems.

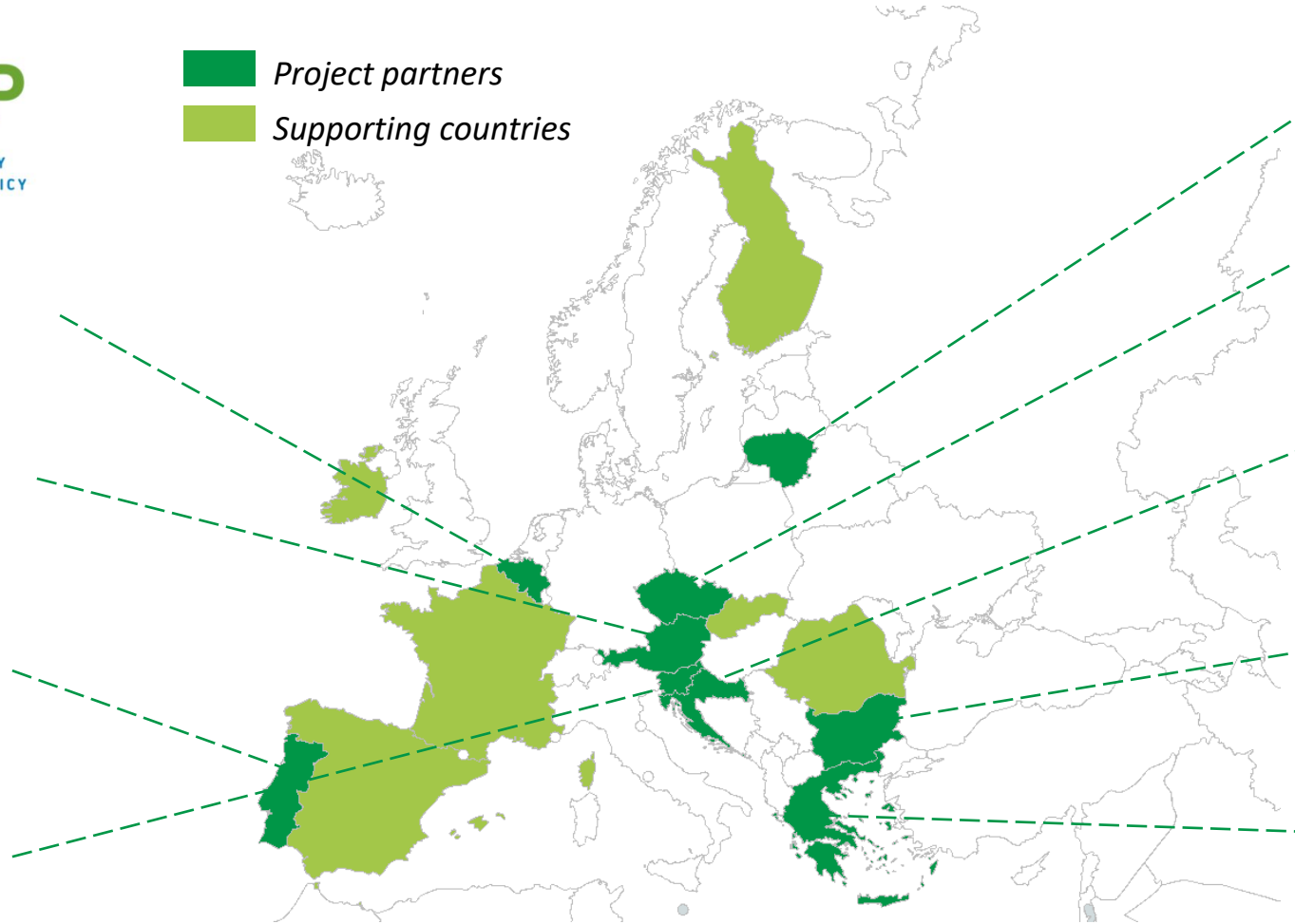
## ✈ Factors Considered:

- Data centre size and IT power capacity.
- Energy consumption of ICT equipment.
- PUE variation.
- Share of cooling within the non-ICT loads.

# Project partners



 *Project partners*  
 *Supporting countries*



# Thank You

## Get in touch for more information!



**Project coordinator** – Jiří Karásek, SEVEn



All project reports will be available for download  
on the streamSAVE+ website  
[www.svn.cz/streamsveplus](http://www.svn.cz/streamsveplus)

And the platform  
[Streamsve.flexx.camp/](http://Streamsve.flexx.camp/)



Email the project at [jiri.karasek@svn.cz](mailto:jiri.karasek@svn.cz)



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