



*A holistic framework
for **Empowering SME's**
capacity to increase
their energy **efficiency***



Peer Learning Workshop LEAP4SME and DEESME

SMEmPower Efficiency

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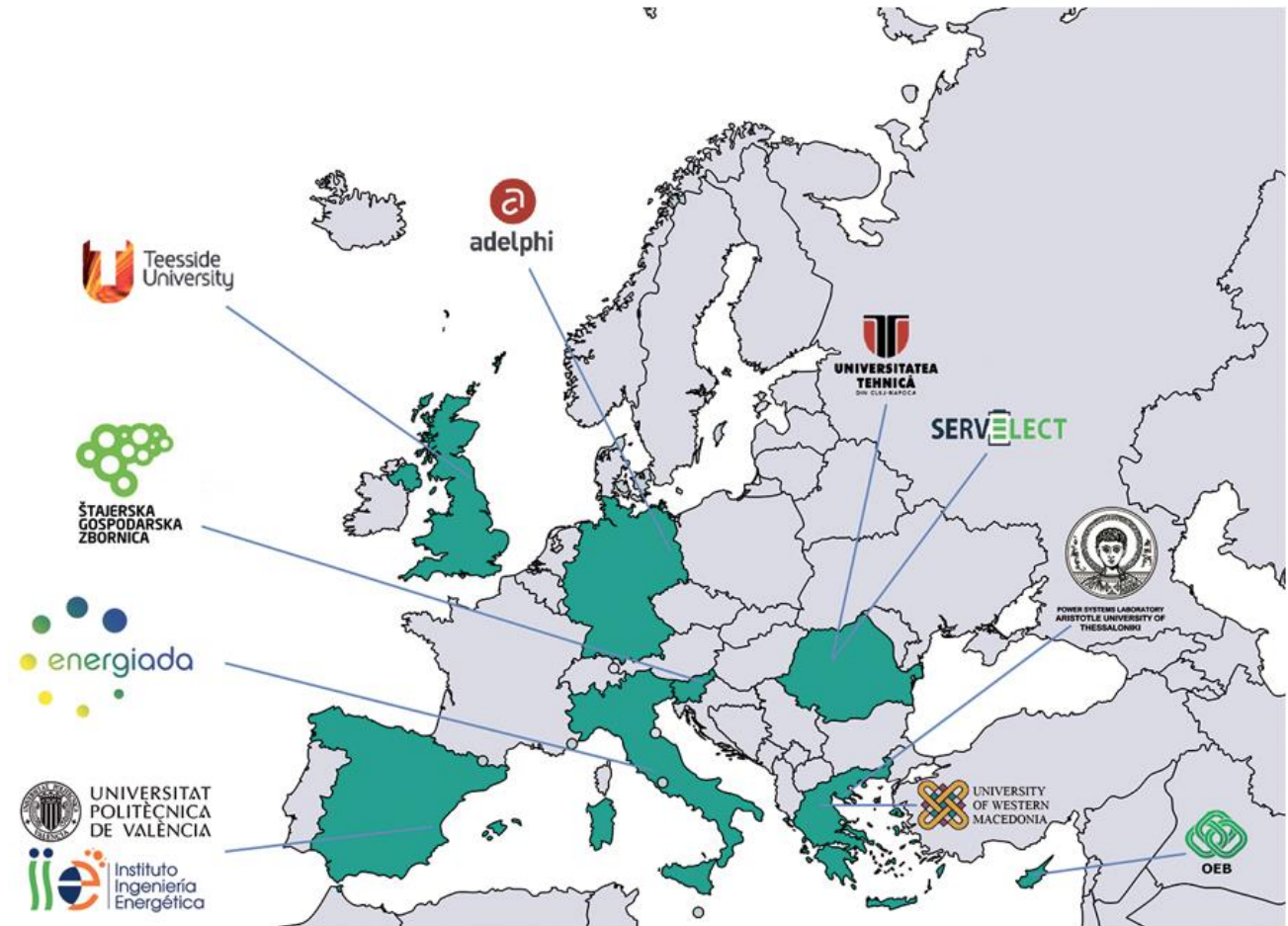
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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 847132

SMEPower Efficiency – General information

- Project Number: 847132
- Starting Day: 1st September 2019
- Duration in months: 36
- Total Budget: € 1.998.750
- Consortium: 10 partners, AUTH
Coordinator
- Geographical coverage: 8 EU
countries

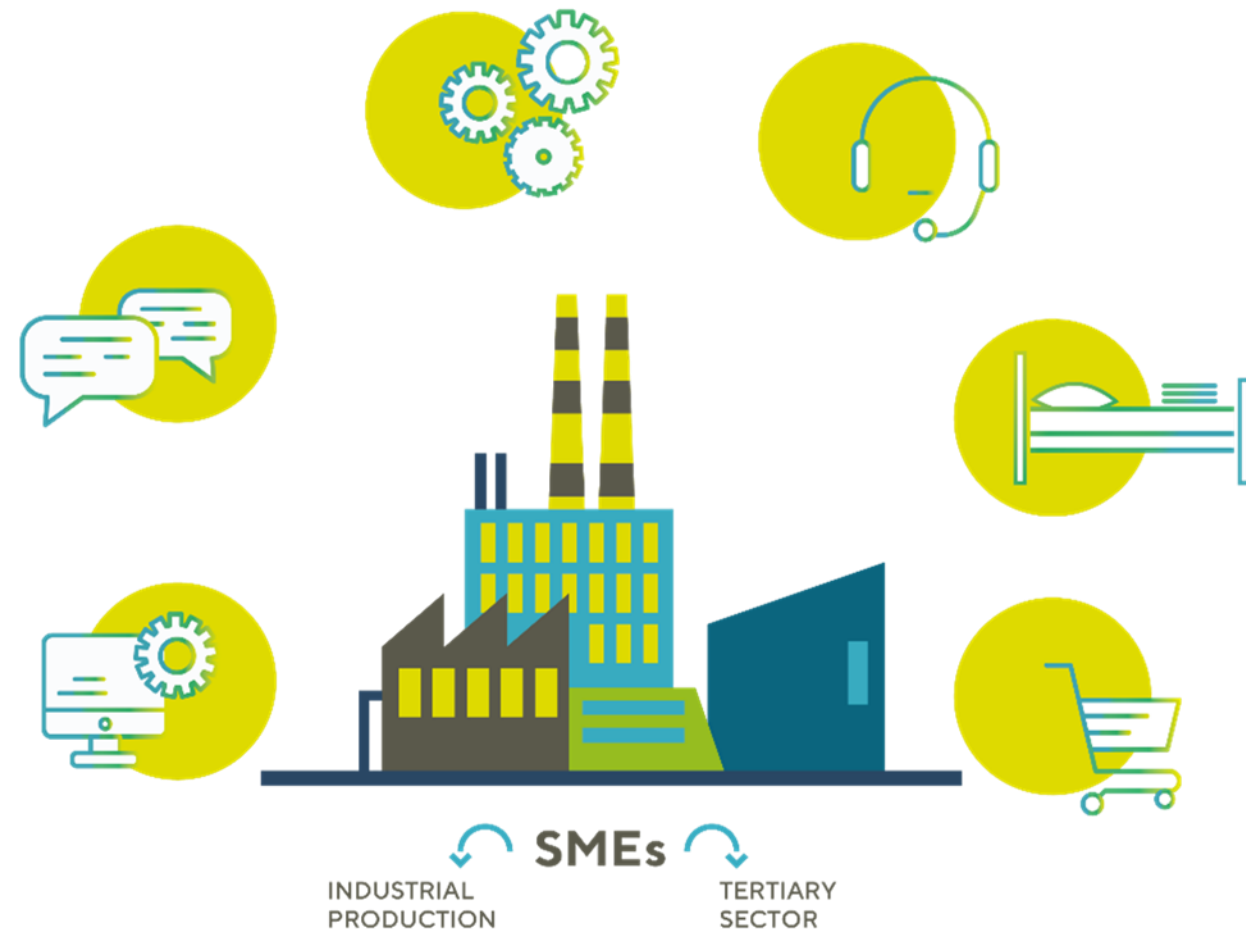


SME mPower Efficiency – Main concept

“Empowering” SMEs to reduce energy consumption

by motivating and facilitating SMEs to:

- undergo energy audits
- become familiar with the energy management concepts and tools
- check for funding opportunities
- implement energy savings measures increasing their energy efficiency

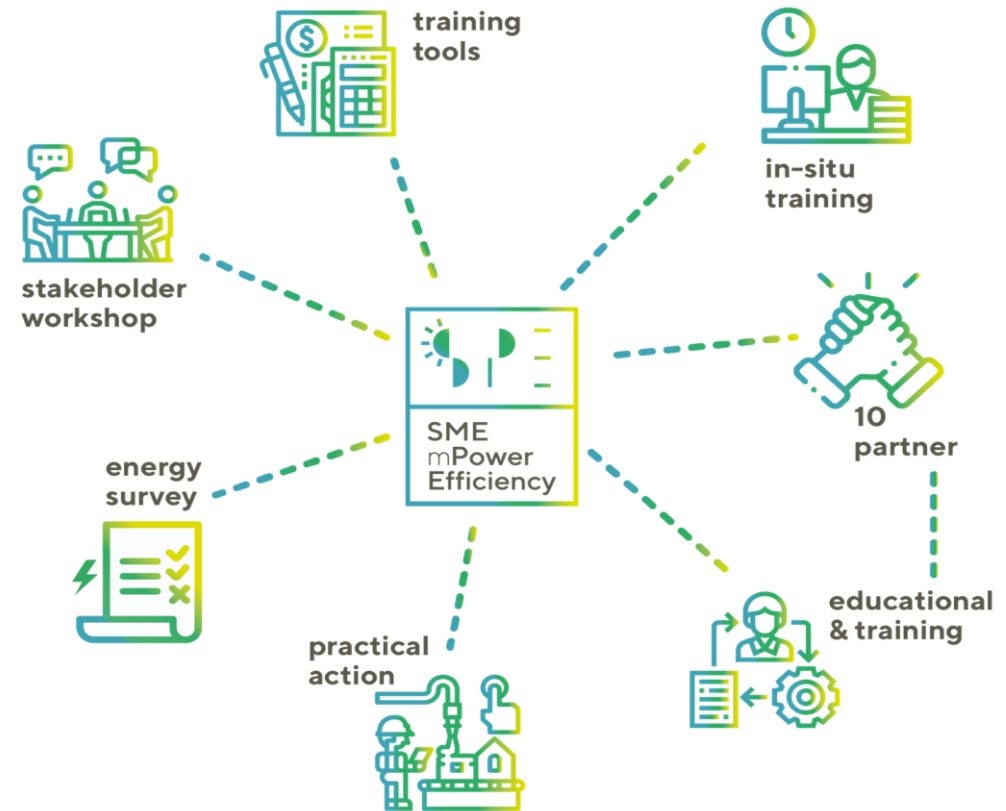


SMEPower Efficiency in numbers

- Offering Education & Training courses for more than 700 energy managers in SMEs
- On site Short trainings for at least 800 people
- Field work in at least 160 SMEs
- Targeted workshops
- Consultation on funding options

Long lasting training tools that SMEPower Efficiency will deliver:

- Training handbook in 7 languages
- Web platform for energy analytics
- Monitoring & Targeting and Measurement & Verification tools



SME mPower Efficiency after two years

Identifying and Understanding Problems and Opportunities

- » 1st and 2nd round of targeted workshops for SMEs carried out in partner countries
- » The report on the Framework analysis* has been concluded
- » Publication of the Funding mechanisms report*
- » Investigation on the Certification schemes for energy auditors and managers*



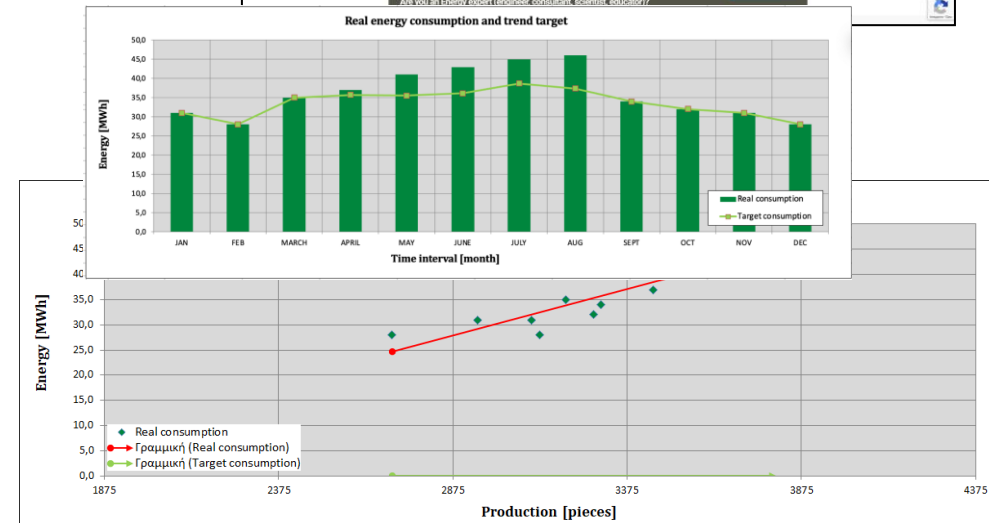
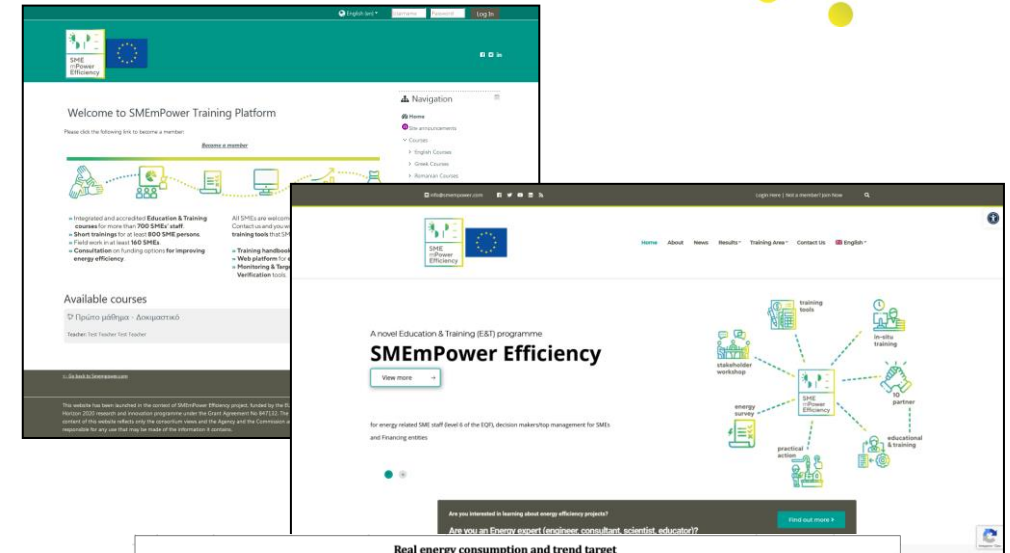
* Project documents available on <https://smempower.com/results/>



SMEPower Efficiency after two years

Education and Training Courses for SMEs and other outputs

- » The Design of the E&T program* has been concluded
- » Publication of the training handbook* in 7 languages
- » Delivery of the 1st and 2nd Edition of the E&T courses for 270 participants, with the practical action and short trainings
- » Release of the Web Platform in 7 languages
- » Launch of 4 long lasting tools for energy analytics

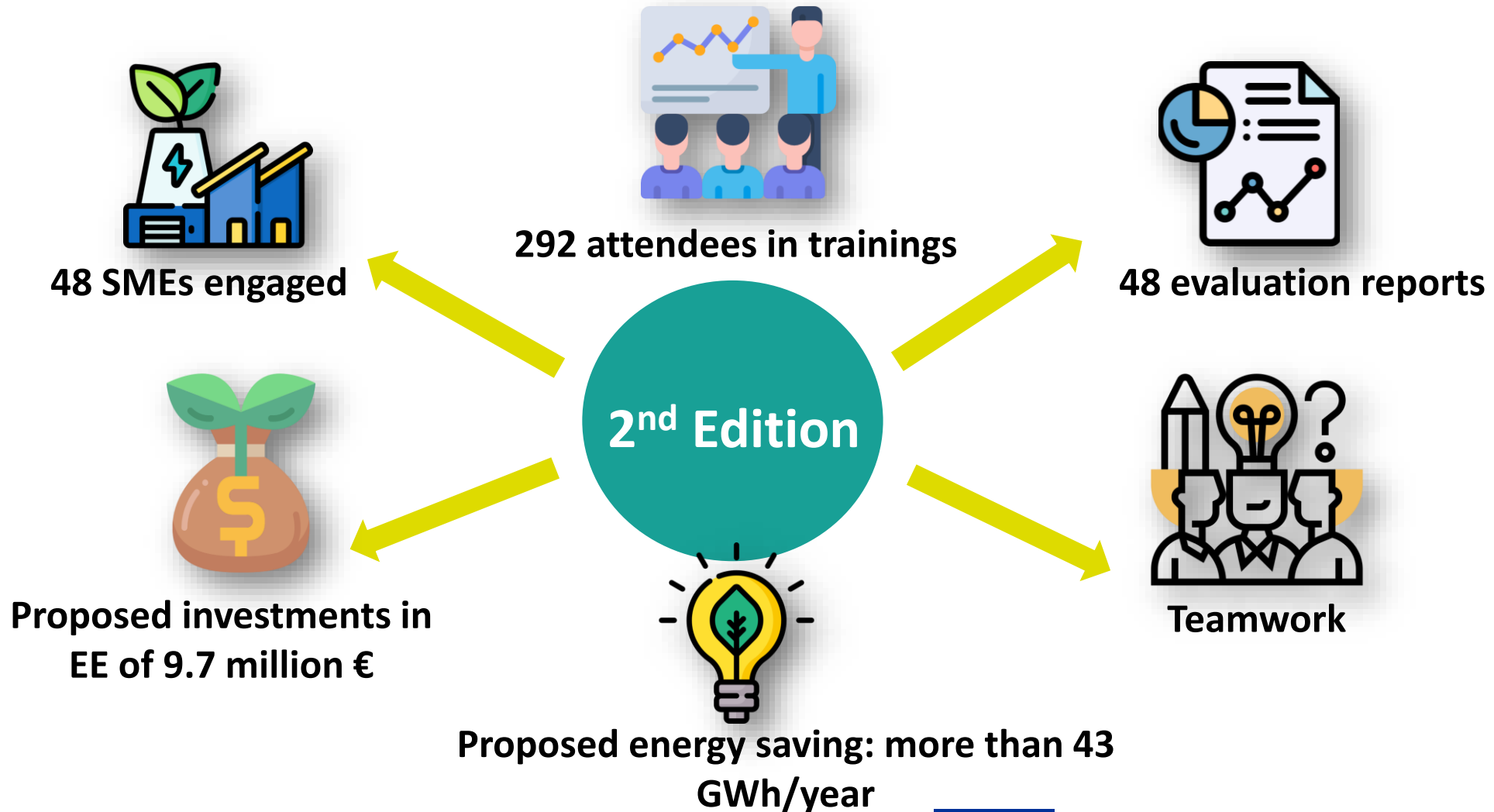


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SMEPower Efficiency after two years

Analysis of the 2nd Edition – Practical action



Collection of data from SMEs

What and How



- Energy systems description
- Operational data of the SME (production plans, scheduling of shifts, etc)
- Monthly energy consumption data per energy type
- Monthly production data or indicators of services provided or turnover

- More issues with very small SMEs regarding the availability of data
- Participation of SME owners or external experts is crucial for successful implementation
- Use of the M&T and M&V tools developed by the project to check data

Collection of data from SMEs

Barriers

Type	Barriers	Potential Solutions
Technical	Lack of detailed energy consumption data per energy system. Lack of experienced personnel to handle or retrieve data	Technical analysis of the energy systems. Use of typical values per SME sector.
	Only aggregated production data available for the manufacturing process	Estimates and development of scenarios for baselines.
	No cost analysis available	Estimated values were used based on the local regulations.
Legal, societal	COVID-19 situation added additional barriers in the access to SME facilities and offices	Better collaboration with SME representatives participating in the E&T courses. Detailed presentations of the SMEs for the working groups
	Reluctance in participating, low interest in energy efficiency investments this period	Extended communication with decision makers to highlight the multiple benefits of improving energy efficiency. Facilitating in seeking financing opportunities
Policy	Lack of specific policies for SMEs to promote energy efficiency	Collaboration with stakeholders, SME associations and regulating authorities to promote specific policies and incentives.

Preliminary evaluation from the audits

Main outputs



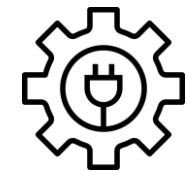
Proposed solutions and energy efficiency action plans



Measurement & Verification of the results using the project tools



Proposed financial resources



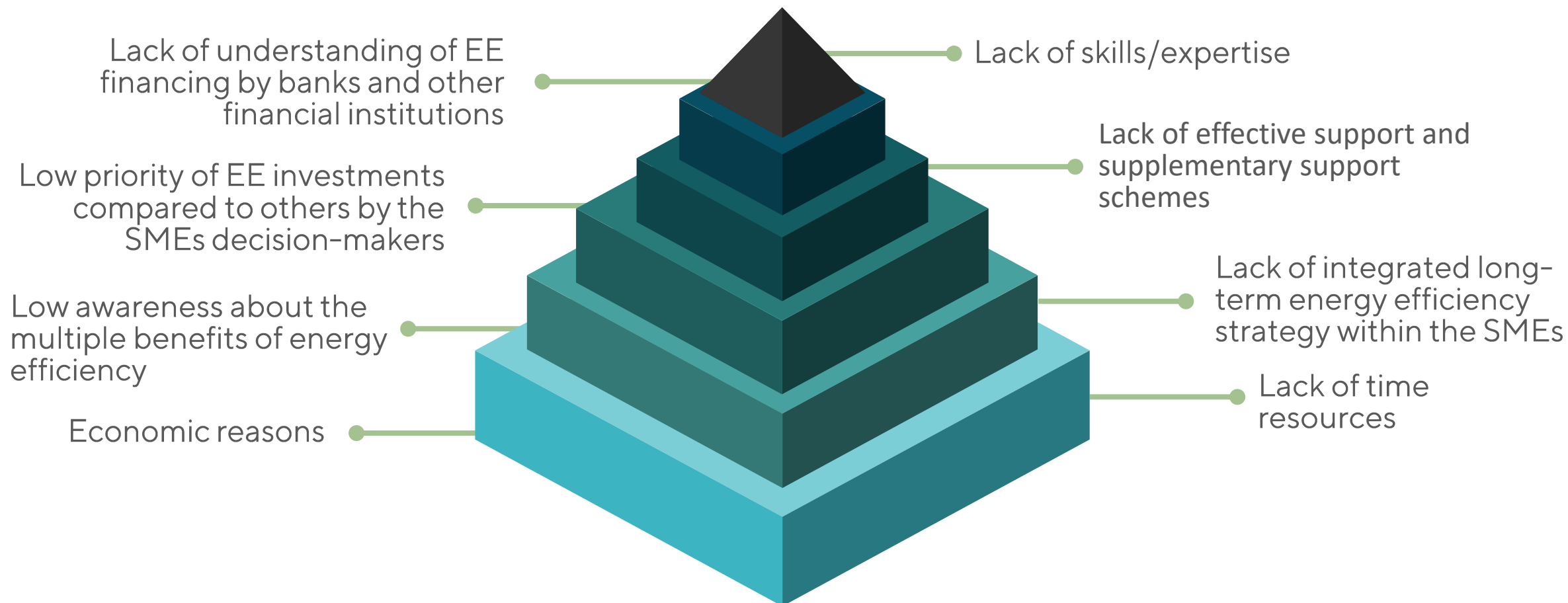
Energy management plan

Do they find outcomes useful?
YES

Can they incentivise implementation?
POSSIBLY ...

Conclusions

Common barriers for implementation of EE solutions



What's next

Last project year, Comms&Dissem, Sustainability

Education and Training Courses for SMEs

- » Analysis of the results after the **Second edition**
- » **3rd edition in each partner country – ABOUT TO START!**
- » Practical action in SMEs and on-site short trainings

Targeted workshops

- » On funding opportunities and policy recommendations

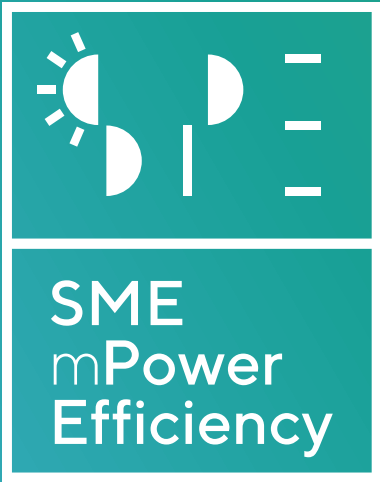
Communications and Dissemination

- » Newsletters, Press Releases, Socials
- » Publications

Sustainability

- » Accredited courses exploitation plan
- » Strategic collaborations
- » Exploitation of the project tools
- » Development of local/European groups





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Thank you for your attention!

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Partners



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