

TAKING COOPERATION FORWARD

Okos mérés kontra épülethasználók tudatossága

Az INTERREG Together projekt kutatási eredményei, Konferencia

Okos mérés kontra épülethasználók tudatossága

Az INTERREG Together projekt kutatási eredményei Dr. Csoknyai Tamás

2018. szeptember 26, 09:30-14:00, Helyszín: Kossuth klub - Muzikum (1088 Budapest, Múzeum utca 7.)

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- □ Introduction to TOGETHER project
- Project activities
- Pilot buildings
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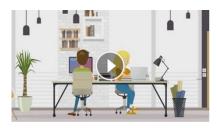


TOGETHER PROJECT CONCEPT



TOGETHER aims at

- encouraging public administrations to adopt managerial EE solutions
- involving users in the energy management process
- to improve energy efficiency of their buildings
- to innovate their management system by integrating different tools:
 - space/time organisation of the buildings
 - installing and using smart metering systems
 - Demand Side Management (DSM)



https://www.youtube.com/watch?v=n8n 1jzb4nSk&feature=youtu.be

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PROJECT ACTION FLOW



- Energy audits
- Installation of smart meters
- Development of data display
- Identification of target groups
- Social audits
- Analysis of data
- DSM actions:
 - Analytical DSM
 - Behavioural DSM

Clusters of buildings





















CLUSTERS OF BUILDINGS



supported p

9 buildings, of which:

- 3 office buildings, incl. municipal office building
- 3 kindergardens
- 1 drawing school
- 1 sport center (swimming pool)
- 1 cultural center



CLOSE COOPERATION WITH BUILDING ACTORS















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SMART METERS AND DASHBOARD









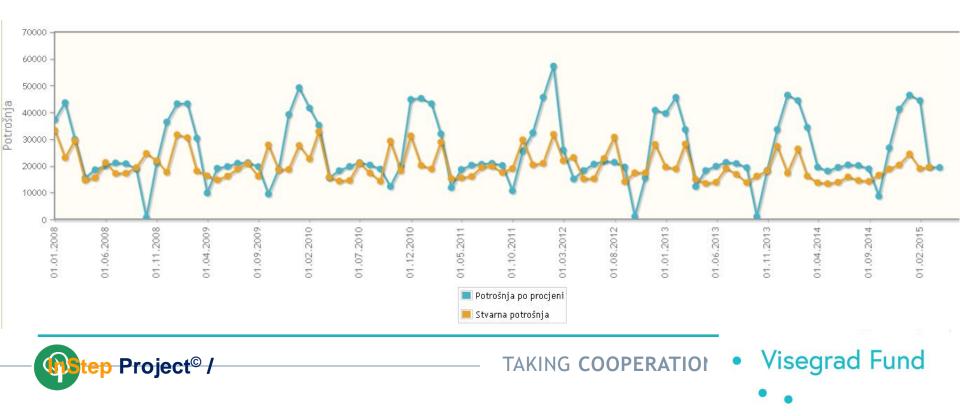


Water consumption monitoring with alerts at treshold values





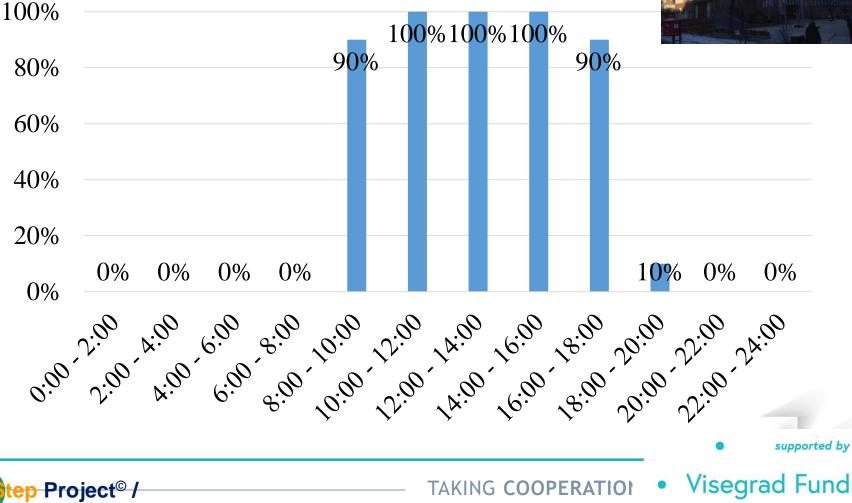




OCCUPANCY SCHEDULE IN A MUNICIPALITY BUILDING

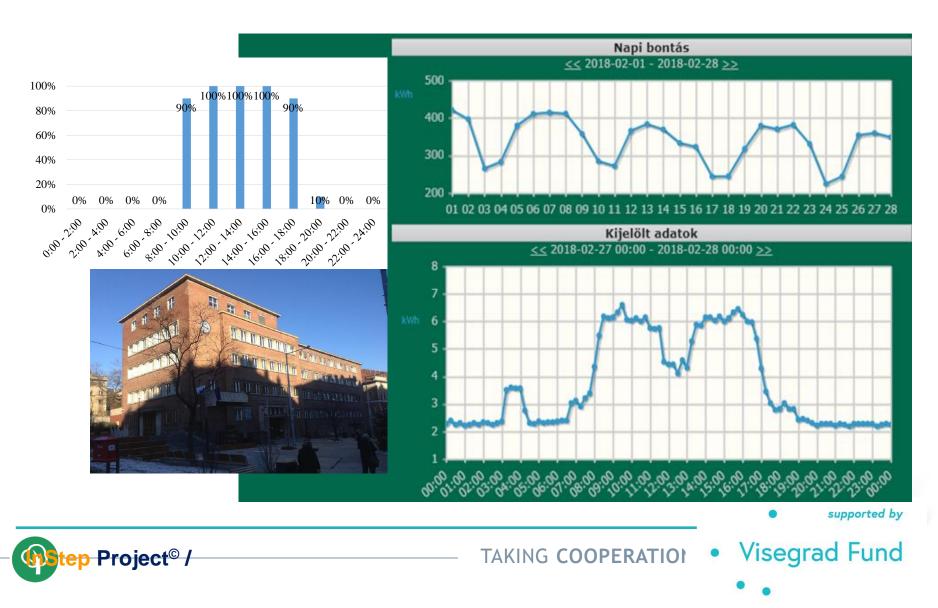




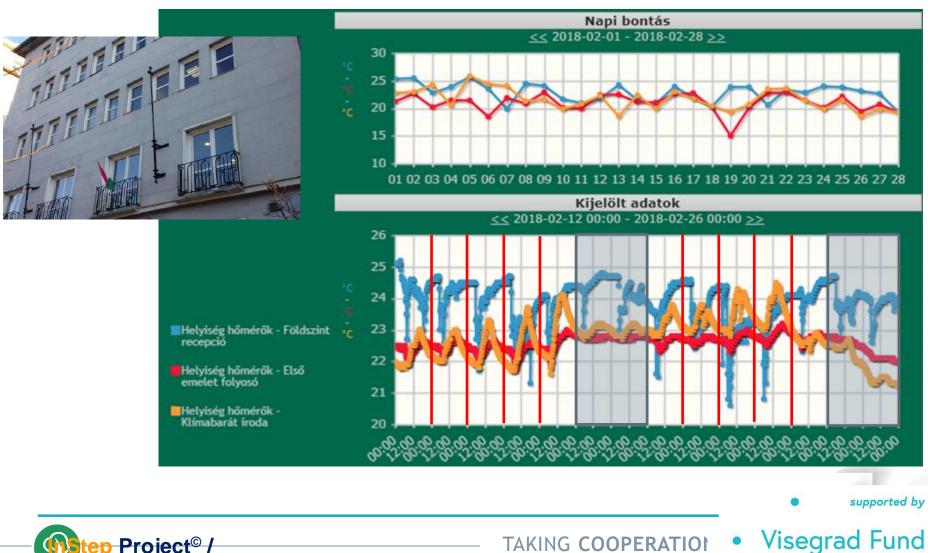


MONTHLY AND DAILY ELECTRICITY CONSUMPTION IN A MUNICIPALITY BUILDING





Interreg MONITORING - TEMPERATURE IN AN OFFICE BUILDING TOGETHER

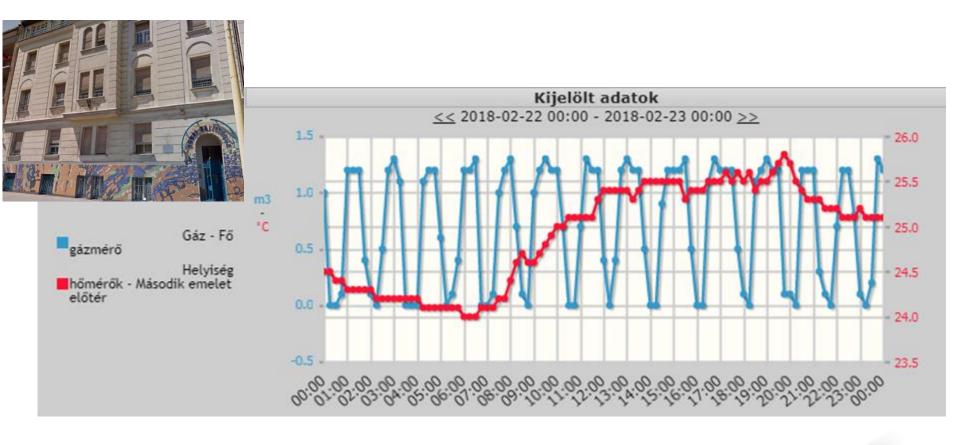


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GAS CONSUMPTION AND TEMPERATURE IN A SCHOOL





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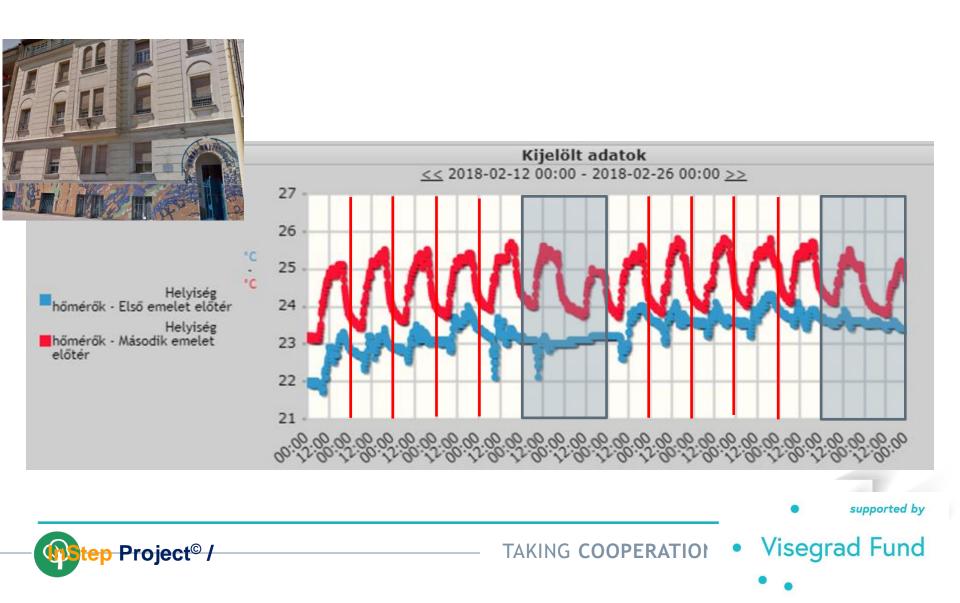
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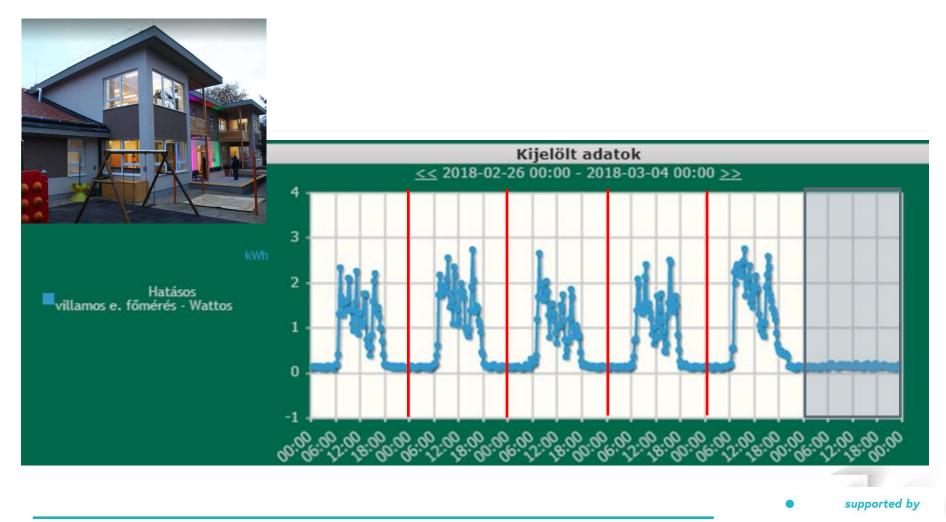
TEMPERATURE IN A SCHOOL





ELECTRICITY CONSUMPTION IN A KINDERGARDEN





wstep Project[©] /

GAS CONSUMPTION AND TEMPERATURE IN A KINDERGARDEN





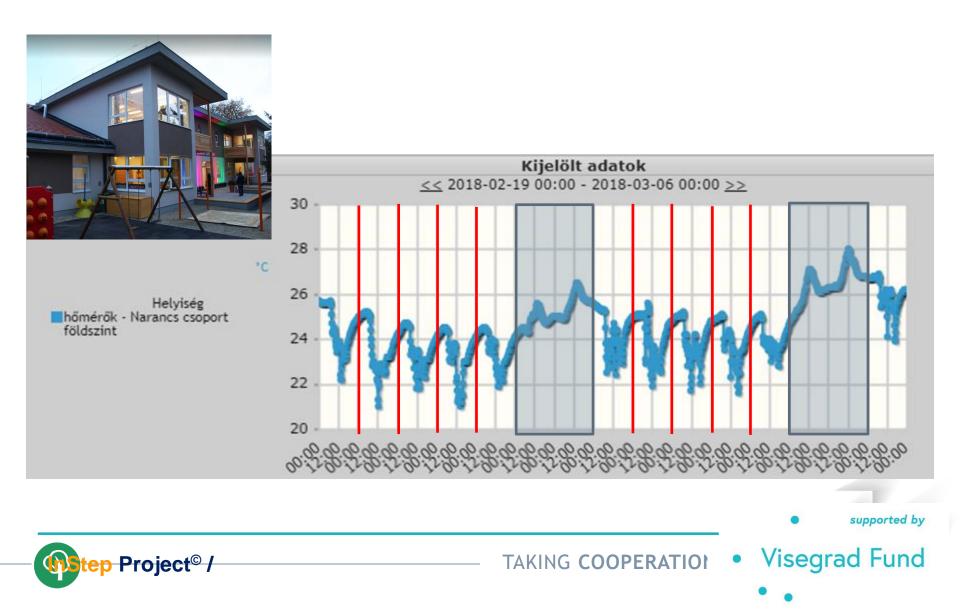
GAS CONSUMPTION AND TEMPERATURE IN A KINDERGARDEN



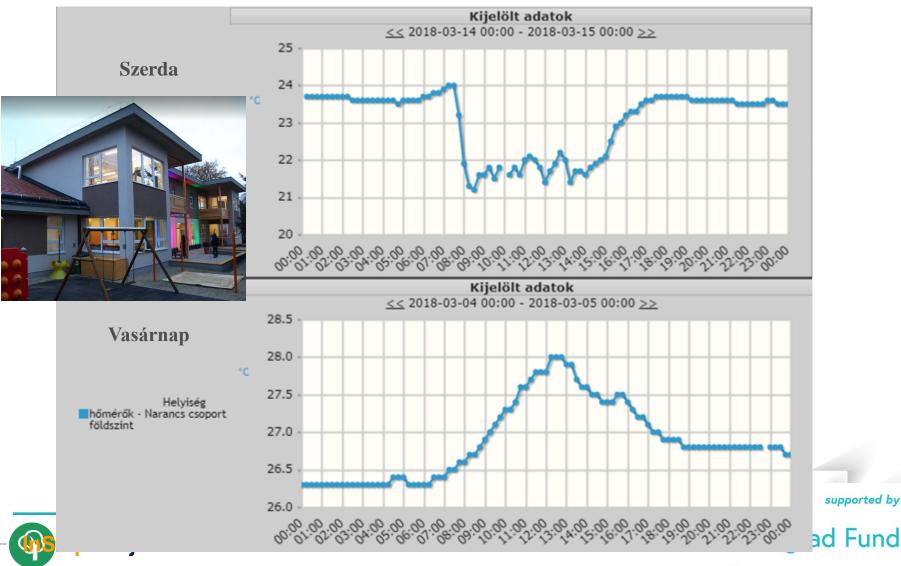


TEMPERATURE IN A KINDERGARDEN



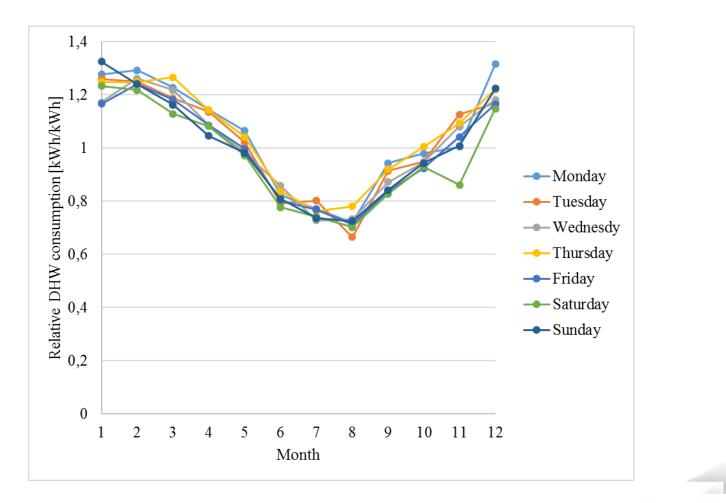


TEMPERATURE IN A KINDERGARDEN (WEDNESDAY)



ANALYSIS OF HOT WATER CONSUMPTION HABITS

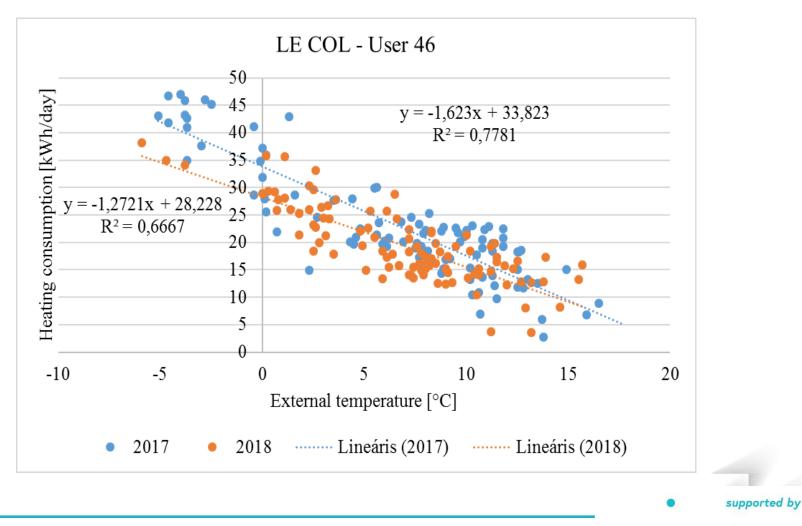






ANALYSIS OF INTERVENTION IMPACTS



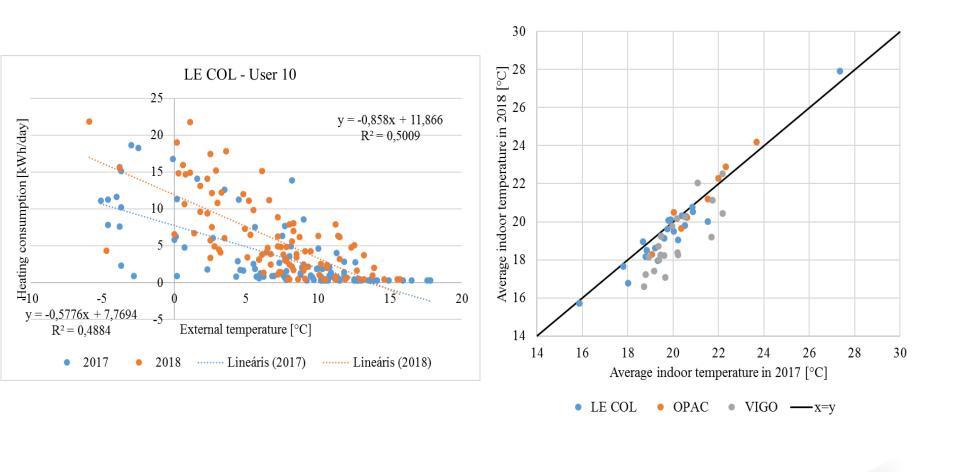




ANALYSIS OF INTERVENTION IMPACTS

Project[©] /



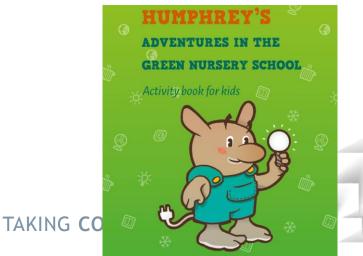


CHANGING BEHAVIOUR - ACTIONS OTHER THAN ANALYTICAL DSM



- Leaflets, newsletters:
 - Introduce project
 - Explain display
 - Energy saving tips
- Display of monitored data
- Energy saving tips
- Posters, pictograms designed by the drawing school
- "Energy commandos"
- Competions





KÖSZÖNJÜK A MEGTISZTELŐ FIGYELMET!





Hegyvidéki Önkormányzat TOGETHER projekt



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