



**CENTRAL & EASTERN EUROPEAN
SUSTAINABLE ENERGY NETWORK
CEESEN-BENDER**

PILOT

ROADMAPS



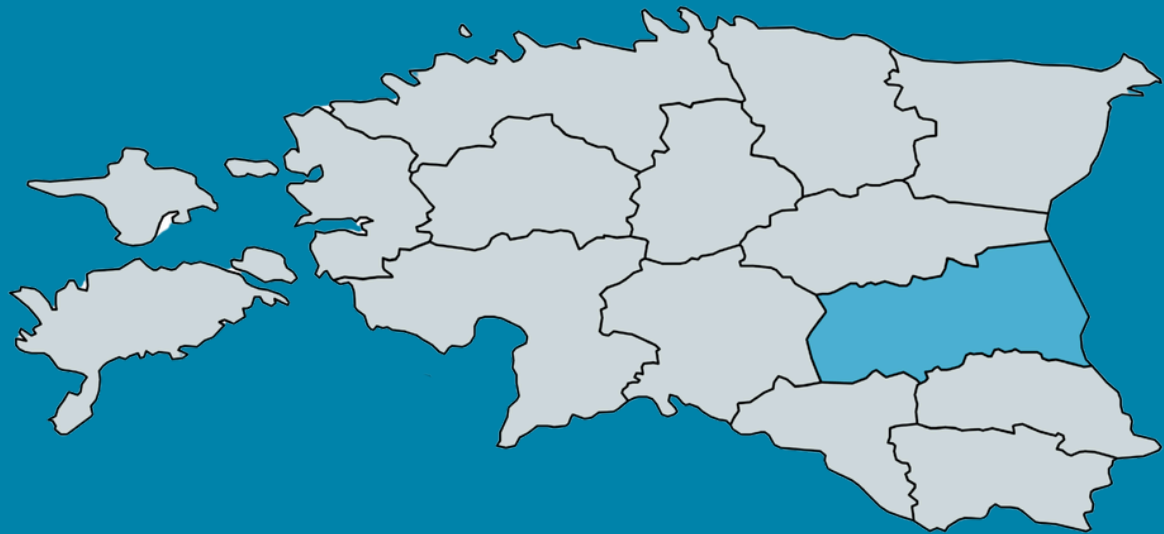
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**SUSTAINABLE
ENERGY WEEK**

Annelinn & Karlova – EE

Located in Tartumaa, Estonia



Targeting
32,995
residents in area

Aiming for
50–60%
energy savings



Annelinn Soviet-era housing blocks



Karlova wooden buildings

Renovation barriers:

- Residents can't afford co-financing
- Heritage rule constraints (Karlova)
- Slow decision-making in associations

Next steps:

- 3 buildings applied for renovation
- Reducing building energy use by half
- PV panels' installment planned post-renovation

FULL ROADMAP



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Čakovec – HR

Located in
Međimurje, Croatia



Targeting
27,122
residents in area

Aiming for
D→A
energy class jump



Čakovec socialist-era housing



Renovation barriers:

- Tenants lack info and fear change
- Long, complex funding procedures
- High upfront costs for renovation

Next steps:

- Several buildings awaiting renovation
- Replacing heating and renewable energy systems
- Improving building-level renovation planning

FULL ROADMAP



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Wawrzyszew – PL

Located in
Masovia, Poland



Targeting
1,219
residents in area

Currently
7.1% people
are energy poor



Wawrzyszew socialist-era housing



Renovation barriers:

- Too few energy renovation specialists
- Residents resist renovations due to cost
- Funding is difficult to obtain

Next steps:

- PV panels for common areas
- Residents trained on energy saving
- Several buildings renovation-ready

FULL ROADMAP



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Kidričevo & Ptuj – SI

Located in
Podravje, Slovenia



Targeting
31,500
residents in area

Designated
€33,8 million
for energy poverty



Kidričevo and Ptuj socialist-era housing



Renovation barriers:

- High renovation complexity
- Fragmented ownership slows decisions
- Financial struggle despite subsidies

Next steps:

- Facade insulation – highest impact
- Heating system upgrades to follow
- Estimated €800,000 for three buildings' renovation

FULL ROADMAP



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Alba Iulia – RO

Located in
Alba, Romania



Targeting **74,000** residents in area
Currently about **30% of homes** are energy poor



Alba Iulia socialist-era housing



Renovation barriers:

- No loans tailored to vulnerable owners
- Energy poverty ignored in funding
- Ad-hoc renovation funding allocation

Next steps:

- Renovation of wall facades and roofs
- Heating energy demand cut in half
- C/D → B/C energy class upgrade

FULL ROADMAP



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