

EffCoBuild

Establishing Pilot Communities for the Building Sector

supported by 'Intelligent Energy – Europe'

co-ordinated by Alice Sedmidubsky, Austrian Society for
Environment and Technology (ÖGUT)

The EffCoBuild project



- 'Energy Efficiency Communities' –
Establishing pilot communities for the building sector
- is a trans-national project supported by the EU's
promotion programme 'Intelligent Energy – Europe' and
some national funds
- in order to identify and implement tailor-made
solutions for more energy efficiency in communities

EffCoBuild – Scope



EffCoBuild project partners



from Austria, Germany, Slovakia & Slovenia



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Community Jesenice



Building and Civil
Engineering Institute



Community
Thalgau



Community Šala



Regional Energy
Agency Šala



Berliner
Energieagentur



Community
Eggesin

Background and Objectives



- Demonstrate on local level how to become a sustainable energy community
- Identify and implement measures to become a pilot community
- Demonstrate synergy between energy efficiency and regional economic benefits
- Raise awareness for sustainable energy solutions
- Contribution to national and European energy efficiency policies by the reduction of energy demand of buildings

Project Activities (I)



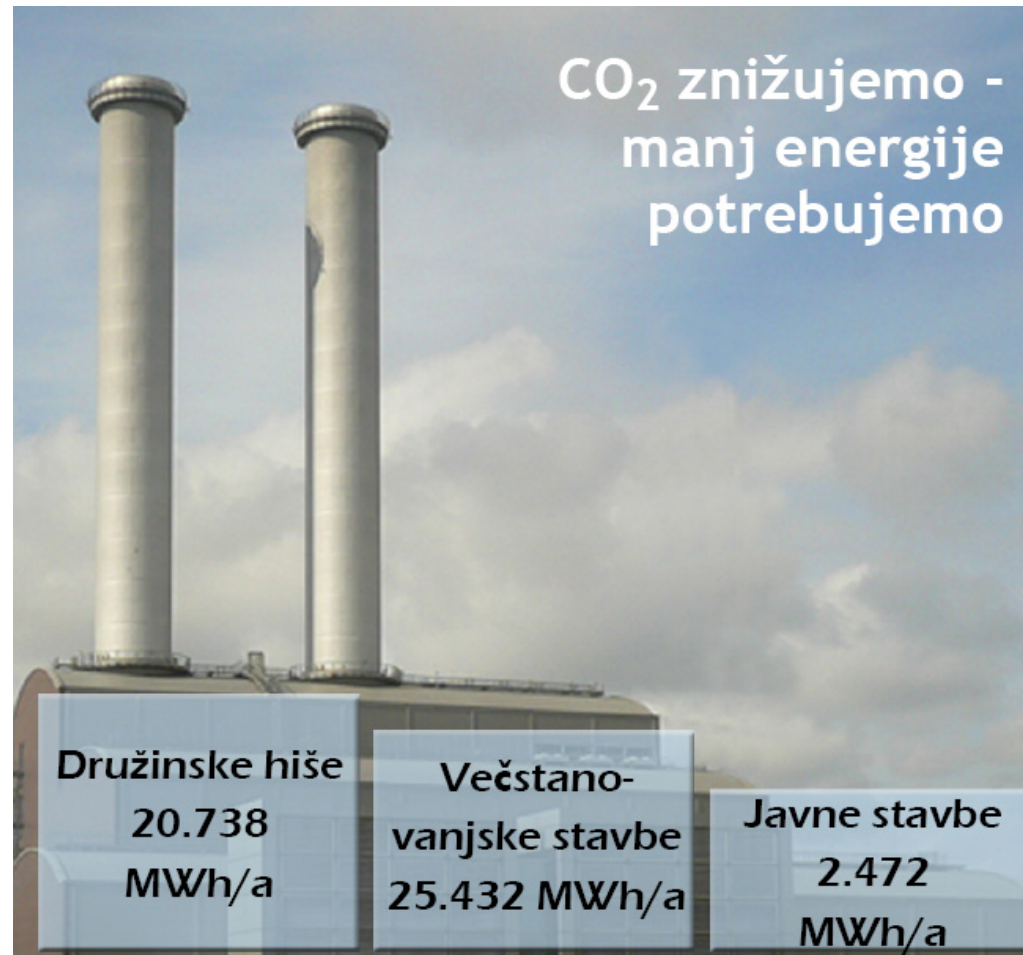
PHASE A: Analysis of framework in the pilot communities

- ◆ Awareness building activities are of major importance
- ◆ Partner communities should act as good examples rather than focus on logistic measures
- ◆ Financing always critical point – assistance/encouragement might help to overcome this barrier
- ◆ New financing instruments could give new impulses
- ◆ EU activities may be used as vehicle to transport energy efficiency messages to a broader audience

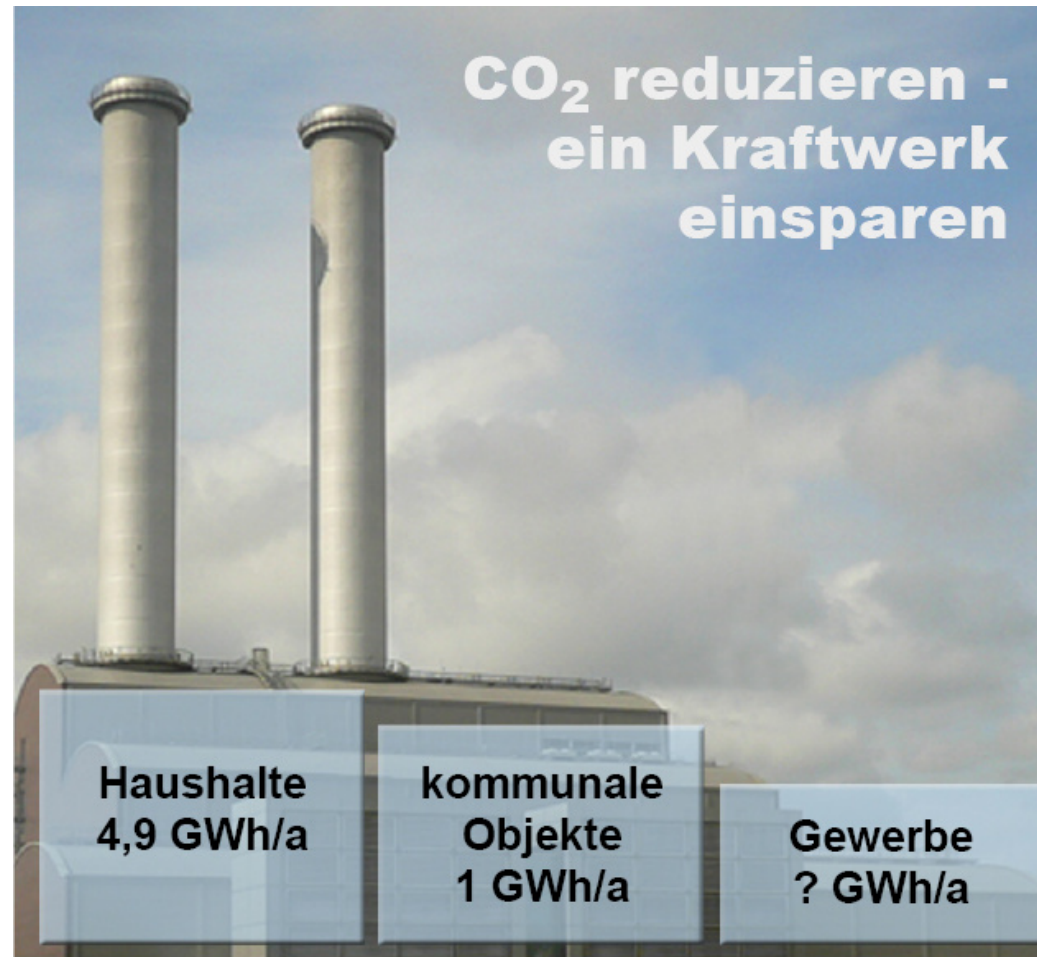
PHASE B: Concept

- Survey on the energy demand of the communities
- Identification of saving potentials and development of the "power saving plant"
- Development of a concept of measures
- Compilation of a brochure of the "best of" examples

Virtual power saving plant Jesnice



Virtual power saving plant Thalgau



Virtual power saving plant Šala



Virtual power saving plant Eggesin



Total savings ...



- The four participating communities – representing together ~ 58.000 inhabitants
- could identify together a saving potential of more than 92 GWh/a
- A projection of these savings for the total population in the four participating countries (> 97 million inhabitants) would result in energy savings corresponding to the energy production of all German nuclear power plants (~ 156.000 GWh/a)

How to go on



PHASE C: Pilot / demonstration phase

- ◆ Selection of measures with highest priority
- ◆ Implementation of pilot resp. demonstration projects
- ◆ Dissemination of information & promotion activities



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