

## KooWo - Volkersdorf

Kooperatives Wohnen Volkersdorf - Suffizienz, Flächen sparen und Energieeffizienz im Areal

<b>Programm / Ausschreibung</b>	ENERGIE DER ZUKUNFT, SdZ, SdZ 4 AS 2016	<b>Status</b>	abgeschlossen
<b>Projektstart</b>	01.07.2017	<b>Projektende</b>	30.11.2020
<b>Zeitraum</b>	2017 - 2020	<b>Projektlaufzeit</b>	41 Monate
<b>Keywords</b>	Suffizienz, personenbezogener Energie- und Ressourcenverbrauch pro Kopf		

### Projektbeschreibung

Große Teile der im österreichischen Gebäudebestand erzielten Ressourceneinsparungen (reduzierte Betriebsenergie, Einsatz ressourcenschonender Baustoffe) wurden auf Grund des ständig steigenden Wachstums an Wohnfläche pro Kopf, eines erhöhten Mobilitätsverhaltens und steigenden Warenkonsums kompensiert. Am Beispiel des gemeinschaftlich geplanten Wohnprojekts „KooWo“ in Volkersdorf soll Suffizienz umgesetzt und das übergeordnete Ziel einer ganzheitlichen Energie- und CO<sub>2</sub>-Reduktion erreicht werden. Das Wohnprojekt verschiebt die Systemgrenze von einer nutzflächenbezogenen zu einer personen- und Sozialgemeinschaft-bezogenen Betrachtungsweise und generiert durch einen kollektiven Lebensraum Einsparungspotentiale beim Ressourcenverbrauch pro Kopf.

### Abstract

#### Starting point

A large part of the savings achieved in Austrian buildings through reduction of operation energy and use of efficient building materials are compensated by increasing living space per head, as well as higher mobility and growing consumption of commodities.

The Swiss model of a 2000 Watt society considers these circumstances and relates characteristic values in energy and ecology balances to the single person.

With an assessment tool for residential areas being under development in the klima:aktiv program, the first steps towards a 2000 Watt society are now taken also in Austria.

#### Targets

The community planned demonstration project 'KooWo' in Volkersdorf aims at reaching sufficiency as well as energy and CO<sub>2</sub> reductions in a holistic way. System boundaries are shifted in order not to look only at energy consumption in buildings, relating to unit of floor space, but to consider all use of resources and relating it to persons and social communities. In this way, the creation of collective living spaces allows for sharing, and thus reduces per head consumption of resources.

Instancing the alternative form of life and residence 'KooWo-Volkersdorf' it shall be shown how the targets of the 2000 Watt-community can be transformed to fit rural areas, and how they can be reached by making use of a bundle of comprehensive measures.

## Results and findings

A successful realisation of the project creates a demonstration site which can serve as archetype for housing in rural areas showing that resource and energy savings are not only possible in an urban context.

During implementation and the following evaluation it will be possible to use the demonstration project to test and enhance assessment methods, like the klima:aktiv tool under development for residential areas.

Moreover, the findings of the research project regarding per head balancing of sustainability factors (instead of relating to floor unit), can serve as important contribution to the Austrian climate and energy strategy.

## Projektkoordinator

- Die WoGen Wohnprojekte-Genossenschaft e.Gen.

## Projektpartner

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