

CleanAir by biomass II – Key Facts

Aim of the project

The explicit objective of the continuation of the project CleanAir – CleanAir II – is to strengthen public awareness of clean air by the use of domestic biomass. The follow-up project ensures that the valuable results of the project CleanAir achieve broad impact.

Implementation

- The focus lies on raising awareness by organising workshops on the topic “Correct heating with wood” which will be supported by corresponding mobile infrastructure that allows participants to put theory into practice.
- As user behavior is a significant part of improving of air quality, citizens or rather households will participate in the “Citizen Science” approach.

You will find a detailed list of the advantages of the work packages at the end of the project outline.

Target groups

Citizens: workshops and awareness raising as well as active participation and involvement in the course of the citizen science approach.

Municipalities: Due to the dissemination in the regional managements Styrian municipalities will be sensitised. The workshops and the awareness raising for the possibility of using local value chains as well as the resulting improvement of living condition in the municipalities will lead to a sustainable spreading of the results on a broad local level.

Education institutions: Involvement of education institutions within the action area of climate and energy model region managers as well as e5-municipalities. Depending on local conditions up to 5 school classes, each 20 students

Local value chains: Sustainable strengthening of local value chains by raising awareness for climate-relevant advantages as well as crisis-proof use of local biomass.

Politics: Support of the national strategies of the province of Styria. Recording of the fuel requirements in the course of the citizen science approach and therefore support of legal provisions of the province of Styria.

Parties

BEST – Bioenergy and Sustainable Technologies GmbH, Province of Styria, Energy Agency of Styria, Chamber of Agriculture of Styria, Chimney sweep master Christian Plesar, Palazzetti, Styrian municipalities, Climate and Energy model regions

Project description

1. Mobile infrastructure

Mobile heating infrastructure (trailer) with different heating systems, installed sensors and corresponding visualisation of the measurement data enables an interesting self-experiment and illustrates the significant emission reductions that can be achieved by “correct heating”.

2. Awareness raising

10 workshops (one-day) will be carried out with the mobile infrastructure (trailer). In the workshops the influence of significant framework conditions (position of air slide, amount of fuel, heating technique, loading process, etc.) is visualized on-site and exciting specialist lectures focusing on issues such as “Correct heating with wood” or “Domestic biomass” will be given.

3. Citizen Science

Due to the public involvement an increased sensitisation of the final users and a significant multiplier effect can be achieved. Participants / households should participate in the citizen science approach and use the app specially developed for the documentation of heating data.

Participants / households, who are willing to participate, additionally receive on-line sensors which will be installed in the private household and therefore deliver interesting, household-specific results for the participants. For their willingness to participate the households will be rewarded with goodies (more detailed information will follow). Finally, all participants get a written feedback with information on better heating. The participants / households which have the on-line sensors installed additionally receive individual feedback.

4. Involvement of local and regional stakeholder as well as educational institutions

For optimal use of synergies local and regional stakeholders (from the local installer to the chimney sweep) will be contacted and, when interested, integrated in the project. The awareness raising in and involvement of schools will be forced in the course of diverse municipality actions, e5 projects, measures in the Climate and Energy model regions, etc.