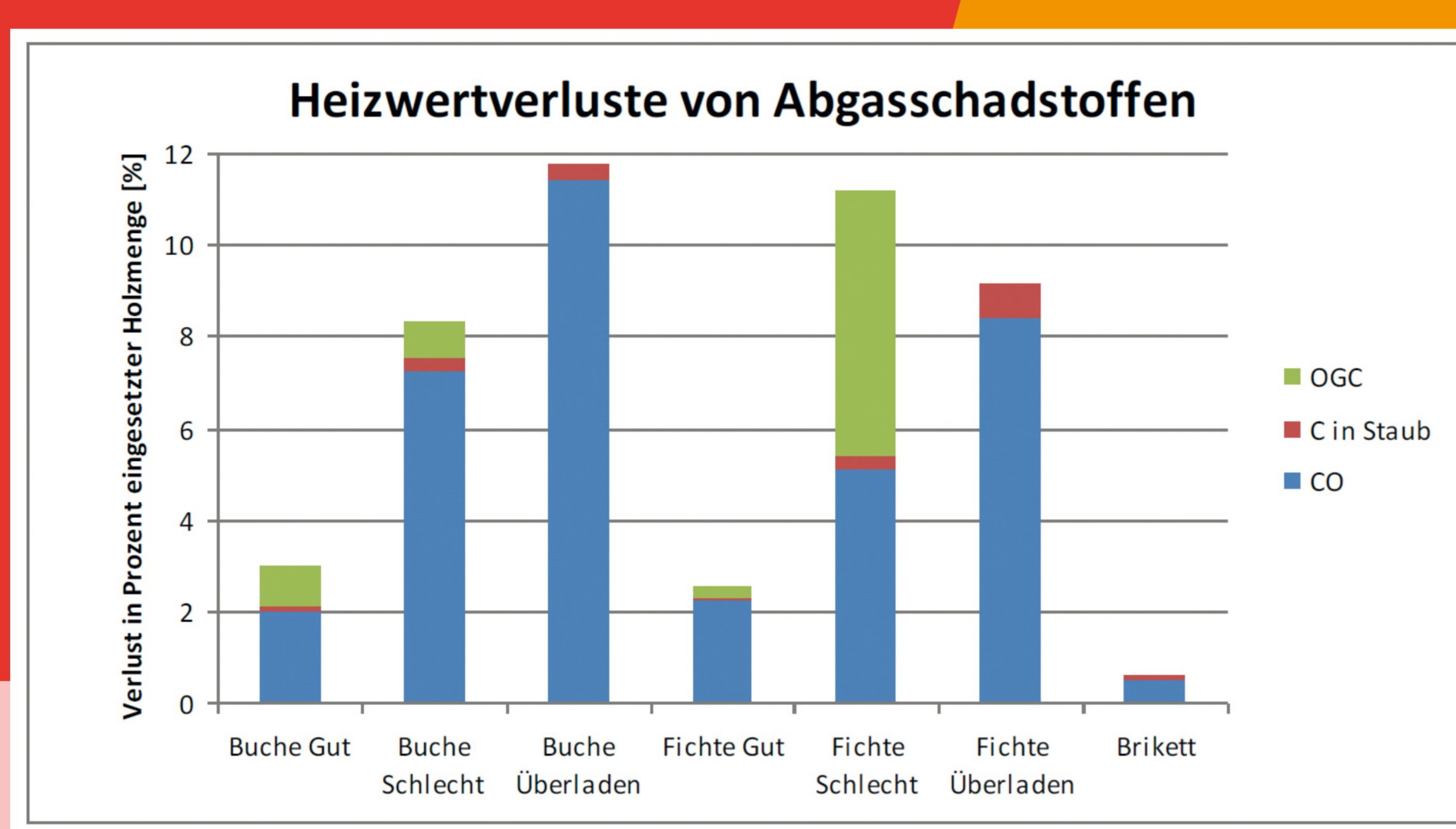


Heating like the Swedes

The project

„Heating like the Swedes“ deals with the examination of waste gas from normal “Swedish Stoves”.



ONE SIGNIFICANT ACTIVITY

In many Austrian regions Swedish stoves become quite popular especially as additional heating. The students were trying to find the optimal conditions for burning wood logs in a Swedish stove in terms of energy efficiency concerning the reduction of waste gasses and particle emissions. The results of the experiments

showed that carbon monoxide and particle emissions are up to 4 times higher when a false burning technique is used. With the increase of particle and carbon monoxide emissions also the thermal losses increase dramatically. Students worked together with a local company nearly a year on the project.

KEY CONCEPTS

GIVING GUIDELINES for the correct use of Swedish stoves in terms of energy efficiency and minimisation of waste gasses.

Large number of **EXPERIMENTS** to gain results concerning the heating behavior of Swedish stoves.

Getting students **INVOLVED IN SCIENTIFIC WORK**

WRITING A SCIENTIFIC PAPER on a energy related topic.

DISSEMINATE results to the public.

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