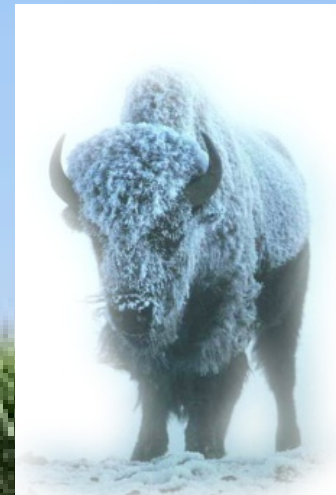


# Changing the heating market mechanisms: Boiler information system on efficiency

**BISON**

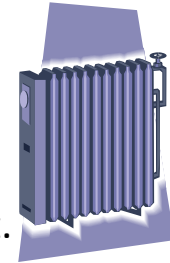
(duration 30 months)



# Intelligent Energy Europe

## Background

The energy used for heating buildings forms an important part of the total energy consumption in the EU. About 25% of EU energy is used for heating and hot water production. This is the second most energy consuming utilisation just after transport.



As a result, any change of the market will have a considerable impact on the overall energy balance in the EU. And even a few % improvement will represent a large quantity of energy saving and CO<sub>2</sub> reduction at the EU scale.

There is a huge energy saving potential linked directly to the right choice of boiler both on existing and new installations. This potential is composed of two parts:

- ✓ Better matching of the boiler with the installation.
- ✓ Replacement of older and inefficient boilers.



## Project Summary

Project outcome is the interactive web calculation tool [www.boilerinfo.eu](http://www.boilerinfo.eu) for central heating boilers and it aims at reducing domestic heating costs in the EU by providing consumers with appropriate guidance on central heating appliances. The web calculation tool includes the option of choosing different languages: English, Spanish, Greek, Portuguese and Danish and is not only directed at the consumers, but also enables installers and energy consultants etc. to advise their customers better.



## [www.boilerinfo.eu](http://www.boilerinfo.eu)

is aimed at:

- Helping the consumer make the necessary choices considering energy savings and financial aspects.
- Convincing the consumer, when relevant, that action regarding a boiler installation is necessary and useful.

The web calculation tool predicts the energy savings in the situations of replacing an old boiler, choosing a new boiler or performing modification on an existing boiler.

## Results achieved

- The new website **www.boilerinfo.eu** was created and this website presents the project outcome. The calculation model was implemented on the web so it is possible for the user to get advice in the following situations:
  - Find a suitable boiler for a new house
  - Replace the existing boiler
  - See all boilers in a stand-alone database. This part is independent from interactive calculation and can be used as an information source on boilers.
- The boiler database has been established and contains more than 1100 boilers.
- The calculation tool was connected to the boiler database. A number of errors and deficiencies discovered during the test and evaluation was corrected.
- The ECO design calculations connected to the boiler database (as additional activities) have been implemented

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