

## Energy Efficiency Tools related to Technology for Heating & Cooling (Article 14 of the EED)

**Pellets energy calculator;** the energy calculator is intended to provide information about the cost difference between conventional fuels and the use of pellet firing. The calculation determines the approximate heat demand of the building and the annual specific energy consumption of specific geometry of the building, the general data of the thermal boundary and structures. Thus, the heat demand calculation is only an accurate order of merit, however, sufficient energy prices differencing exact branch enter the expected heating costs.

DETAILED INFO: [www.pelletnrg.hu/calc.php](http://www.pelletnrg.hu/calc.php)



**Guías Técnicas de Ahorro y Eficiencia Energética en Climatización, Spain;** a Series of Technical Guidelines developed by IDAE, the Spanish Institute for Energy Diversification and Saving, with the objective of increasing energy efficiency of the thermal installations in buildings. These documents are addressed to designers, installers, maintainers, inspectors, and users of thermal installations of buildings and users of thermal installations of buildings, and have been recognised as official documents of the Regulation of Thermal Installations in Buildings (RITE).

DETAILED INFO: [www.idae.es/](http://www.idae.es/)



**Guía básica de redes de calor y frío, Spain;** the purpose of this guide is to promote and disseminate the technology of district heating and/or cooling networks, as well as to advise the potential promoters of this type of installations from a methodology that establishes the criteria that should be considered when designing a district network. Additionally, Integrated Guide for the development of district heating and cooling networks has been developed offering more details, with the purpose of being an instrument that helps to make decisions on the suitability of implementing a district network in a given environment.

DETAILED INFO: [www.adhac.es/priv/clientsimages/asociacionperso6\\_1338538783.pdf](http://www.adhac.es/priv/clientsimages/asociacionperso6_1338538783.pdf)

## Energy Efficiency Tools related to Technology for Heating & Cooling (Article 14 of the EED)

**Biomass Decision Support Tool, Ireland;** the biomass system decision support tool will help you assess the most cost-effective size and integration approach for a biomass heating system at a particular site based on the site's heating requirements and spatial considerations. This tool has been developed by the Carbon Trust in collaboration with Strathclyde University and the Campbell Palmer Partnership as an aid to those investigating and/or specifying biomass heating systems. The University of Strathclyde has created an online course for those who want to get started with the the Carbon Trust Biomass System Sizing Tool.

DETAILED INFO: [www.carbontrust.com/resources/tools/biomass-decision-support-tool/](http://www.carbontrust.com/resources/tools/biomass-decision-support-tool/)



**progRESsHEAT, EU;** in six target countries (Austria, Germany, Czech Republic, Denmark, Portugal, Romania), progRESsHEAT will support the implementation of national heating and cooling plans which have to be released by member states by the end of 2015. The plans will include a policy outlook on how the potentials identified by the comprehensive assessment will be achieved. ProgRESsHEAT will assist national policymakers in implementing suitable policies with a model-based quantitative impact assessment of local, regional and national policies up to 2050.

DETAILED INFO: [www.progresheat.eu/Data-mapper.html](http://www.progresheat.eu/Data-mapper.html)

**PLANHEAT, EU;** a platform that allows the interconnections among three open source, easy-to-use IT modules – the mapping module, the planning module, the simulation module – and a KPI panel. The platform will allow the visualisation and mapping of results, the visualisation of the scenarios selected with the planning tool, and the visualisation of results coming from the numerical simulations. The mapping module develops yearly heating and cooling demand from kinds of end-users and demonstrates the energy potential for heating and cooling supply from renewable sources and waste energy sources available at the urban and industrial level.

DETAILED INFO: [www.planheat.eu/the-planheat-tool](http://www.planheat.eu/the-planheat-tool)



Visit our website for other tools:  
[www.publnef-toolbox.eu](http://www.publnef-toolbox.eu)

Project coordinator:  
Dr. Vlasios Oikonomou,  
[vlasis@jin.ngo](mailto:vlasis@jin.ngo)



JIN Climate and Sustainability