

BEST PRACTICES AND SOLUTIONS FOR ENERGY TRANSITION	
TYPE OF BEST PRACTICE:	TECHNICAL SOLUTIONS
TITLE:	Biomass heat network for heating and DHW, in Ribes de Freser (Girona).
Keywords: <i>Please select from dropdown lists (cells B5-B9), up to 5 representative keywords that best describe the features of the best practice.</i>	Energy transition measures Energy Efficiency in buildings Methodology / tool / solution Energy transition planning
Country: <i>Please select from dropdown list (cell B10), the country where the best practice was implemented. If in more than one countries, select "multiple countries" and describe in cell B11.</i>	Spain
Region / Municipality / location: <i>Please provide further details on the territory where the best practice was implemented, as applicable (e.g. Region and/or Municipality and/or location of individual building).</i>	Ribes de Freser (Spain)
Short description: <i>(Up to 150 characters)</i>	Biomass heat network for heating and DHW, in Ribes de Freser (Girona)
Long description: <i>(Up to 1000 characters)</i> <i>Describe a best practice in the field of Technical solutions [e.g. innovative technical tools/methodologies/solutions developed to increase energy-efficiency in public buildings or sustainable mobility; case studies of successful implementation of such solutions in actual projects; etc.]</i>	<p>Ribes de Freser is a municipality in the Ripollès region (Girona), with a fixed population of 1,900 people located in a high mountain environment and with a special sensitivity for the natural environment and the management of its forests.</p> <p>In 2011, the Ribes de Freser City Council put out to tender an Energy Services competition that included the design, construction and operation of a biomass heat network for public facilities.</p> <p>The contract is for energy supply with conduction and full guarantee of the facilities for a period of 20 years.</p> <p>In 2014 and in accordance with what the contract made possible, an expansion of the network was carried out to connect private users, in this case Hotels. This expansion came into operation in October 2014 (Phase2).</p>
Project full title / acronym: <i>The title of the Best Practice is inserted in cell B4. Please only fill in this field (cell B19) if the Best Practice was implemented as part of a "Project". The "Project" can be an EU project or a local / national initiative, a private initiative etc.</i>	Biomass heat network for heating and DHW, in Ribes de Freser (Girona)
Funding Programme: <i>(If applicable)</i>	
Project website: <i>(If applicable)</i>	
Relevant images: <i>Photos, project logo etc.</i>	<p>EQUIPOS</p> <ul style="list-style-type: none"> Caldera 1: 500 kW Caldera 2: 250 kW Depósitos de inercia: 3 x 5.000 l Bomba 1 red: 2,20 kW + CF Bomba 2 red: 5,50 kW + CF Bomba 3 red: 7,50 kW + CF Cuadro de control de agua expansión
Progress status - Start date: End date:	2012 2022
<i>If relevant, please include any further information as regards progress of the case study.</i>	
Key benefits / outcomes: <i>Describe key benefits - key outputs from this best practice. Where available and relevant, use users' testimonies.</i>	By executing this district heating, 6 Municipality buildings have renewable energy at Phase 1 and 4 hotels at Phase 2.
References: <i>Provide relevant links or documentation (reports / photos / videos etc.) that relate to the described case study (Note: please only provide where it is acceptable to make the information publicly available online.</i>	