



# EUROPEAN GREEN CITIES MEETING



GRENOBLE



11, 12, 13 June 2003

11 June 2003	
09.00 – 12.30	<p><b>EGCN partner meeting at OPAC 38, 47 Av. Marie Reynoard</b></p> <ul style="list-style-type: none"> <li>• Welcome by General Director Mr. Dominique Guillard, OPAC 38</li> <li>• Conference in Torino in October 2003 – status by Metec and Cenergia</li> <li>• Training activities</li> <li>• Input from each partner: Status on activities</li> </ul>
12.30 – 14.30	<p><b>Talk and lunch</b> 15 persons from the Social Housing Association of south of France will participate.</p>
14.30 – 16.00	<p><b>Visit to “Surieux”, Echirolles</b> The project is 505 dwellings retrofit program in an area named “Surieux” situated in Echirolles, an inner suburb of Grenoble, France. The objective is to integrate low-energy and environmental criteria into the future design of urban areas. The main interest in this project was to improve the efficiency in Grenoble’s district heating system and thereby reduce energy losses and costs. It was the aim to have high level of energy performance, so it was decided to use solar panels for hot domestic water and photovoltaic panels to cover the electricity use for ventilation and common light. There is also a total energy approach concerning commons electricity and heating consumption with insulation. The most innovation and salient features of the project is the large thermal solar panels on the roof, and the build-in PV-modules on the façade. As most of the existing building stocks were erected before the energy crises, the energy consumption was remarkably high, and a very short payback period for the energy saving installations is reached. Urban aspects have been improved, with a new cultural centre and a new tramway line, and all the dwellings have been retrofitted. For more information see also: <a href="http://www.europeangreencities.com/demo/france/france.htm">http://www.europeangreencities.com/demo/france/france.htm</a></p> 
16.30 – 17.00	<p><b>Visit to “Le Guillot”, St Hilaire la Côte – bioclimatic houses</b> 10 bioclimatic houses where the following measures have been implemented:</p> <ul style="list-style-type: none"> <li>• Greenhouses of 8 m<sup>2</sup></li> <li>• 25 m<sup>2</sup> thermal solar panel for DHW</li> <li>• 11 m<sup>2</sup> photovoltaic cells</li> <li>• Common gas heating</li> <li>• External insulation</li> <li>• Low emission windows</li> <li>• Hygro variable ventilation</li> <li>• Low consumption lamps</li> </ul> 
17.30	<b>Back to Hotel</b>
19.00	<b>Official dinner</b>
12 June 2003	
09.00 – 12.00	<p><b>GSR and GBH partner meeting at OPAC 38, 47 Av. Marie Reynoard</b> Green Housing Block:</p> <ul style="list-style-type: none"> <li>• OPAC 38: Project status regarding the Surieux project</li> <li>• Portsmouth: Project status regarding Hillsley Road</li> <li>• Dissemination activities</li> </ul> <p>Green Solar Regions:</p> <ul style="list-style-type: none"> <li>• Metec: Project status regarding the Vinovo project</li> <li>• NECA: Project status regarding the Szaserow Army Hospital and school project</li> <li>• Cenergia: Project status regarding Munkesøgård</li> <li>• Dissemination activities</li> </ul>
12.00 – 14.00	<b>Lunch</b>

14.00 – 16.00	<p><b>Visit to “La Dentellière”, L’Isle d’Abeau</b></p> <p>The extensive retrofit programme of 110 social dwellings aims to demonstrate the possibilities of renewable energies and water saving measures.</p> <p>The buildings were erected in the seventies and eighties, and had high running costs, so the retrofit programme has beside the elevated level of comfort generated decreased expenses on water and energy, which is an important beneficial side effect in social housing.</p> <p>The retrofit programme stands out as a total environmental approach, which aims to lower the energy consumption by 40% through enhanced heating systems and education of end users.</p> <p>Electricity for heating is replaced with two optimised combustion central boilers that are regulated according to heat demand. The boilers are supplemented by 150 m<sup>2</sup> solar water collection panels mounted on the roof and high performance heat exchangers. The entire system, including pipe structure and pumps, is optimised by a total energy approach.</p> <p>50 m<sup>2</sup> of photovoltaic modules for ventilation and low energy lighting in common areas are integrated in the facade of the buildings.</p> <p>For more information see also: <a href="http://www.europeangreencities.com/demo/francel'isle/france.htm">http://www.europeangreencities.com/demo/francel'isle/france.htm</a></p>	
17.00 – 17.30	<p><b>Visit to “Diederichs”, Bourgoin-Jallieu</b></p> <p>A HQE design project with solar energy solutions. The project comprises construction of 40 collective housing unites and 21 young rugby players student house flats. The project includes PV, solar panels, efficient walls, waste segregation, and has a social approach. Delivery is planned for the end of 2003.</p>	
18.30	<b>Back to Hotel</b>	
19.30	<b>Dinner</b>	
<b>13 June 2003</b>		
09.00 – 11.00	<p><b>Visit to the Choranche cave (stalactite cave)</b></p> <p>The Choranche caves were discovered at the end of the 19th century. The discovery was probably due to the river running out of it that indicates its existence.</p> <p>Today some 30 km of galleries have been explored, and there is still more waiting to be discovered!</p> <p>For more information see also: <a href="http://www.grottes-de-choranche.com/en/actualites/index.html">http://www.grottes-de-choranche.com/en/actualites/index.html</a></p>	
11.30 – 14.00	<p><b>Visit to the Water Museum, Pont-en-Royans and Lunch</b></p> <p>Pont-en-Royans, at the south-west extremity of the Vercors hills, is well known for its old houses overhanging the river Bourne. But now, with its Water Museum (Musée de l'Eau), it has an additional attraction.</p> <p>The museum opened in July 2002 in riverside premises redeveloped by Italian architect Andrea Bruno and previously home to an electrical switchgear factory. It takes visitors on a voyage of discovery of water in all its forms.</p> <p>After passing through a giant diving suit at the entrance, visitors walk on water, thanks to a transparent walkway, before diving down into the main hall.</p> <p>Jean-Noel Duru, who designed the exhibition, has created a fluid, refreshing environment, ranging from the temperate zones to polar and tropical extremes.</p> <p>For more information see also: <a href="http://www.caue-isere.org/histoires/pontenroyans/museedeleau_pontenroy.htm">http://www.caue-isere.org/histoires/pontenroyans/museedeleau_pontenroy.htm</a></p>	
15.30	<b>Lyon-St Exupéry Airport</b>	
16.30	<b>Back to Hotel</b>	