



**PUBLISHABLE EXECUTIVE SUMMARY**  
corresponding to 3rd Periodic Activity Report

**CONCERTO INITIATIVE**  
**RENAISSANCE**  
Renewable ENergy Acting In SuStainable And  
Novel Community Enterprises

Instrument (e.g.: Integrated Project)  
Thematic Priority

<b>Period covered</b>		<b>Date of preparation:</b>
From 18/10/2007 to 17/10/2008		20/02/2009
<b>Start date of project:</b> 18th October 2005		<b>Duration:</b> 5 years
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<b>Project coordinator:</b> Raphaëlle Gauthier Hespul, énergies renouvelables & efficacité énergétique 114 bd du 11 novembre F-69 100 Villeurbanne		



CONCERTO is co-funded by the European Commission



# 1 PUBLISHABLE EXECUTIVE SUMMARY

## 1.1 RENAISSANCE'S OBJECTIVES AND CHARACTERISTICS

RENAISSANCE aims to demonstrate that strong local political commitment to sustainable development, social involvement, and public-private partnership can lead to energy high performance and replicable urban regeneration projects in two large cities of contrasting character; Lyon and Zaragoza. The Region of Lombardy is also participating, with the objectives to share the development of these innovative best practices on urban planning and on local renewable energy sources supplies.

RENAISSANCE involves 2 demonstration projects in Lyon and Zaragoza that focus on achieving exceptional standards in rational use of energy (RUE) and use of renewable energy systems (RES) in an integrated way, across 2 of their urban regeneration programmes. These 2 urban projects aim to achieve drastic reductions in conventional energy consumption up to more than 70%, thanks to innovative eco-building design & architectural approaches and an important increase in the supply of integrated Renewable Energies. RENAISSANCE project objective is also to have reasonable costs and acceptable financial risks on energy saving investments, near to market proposals, to demonstrate its high potential of replication across the rest of Europe.

As showcases, RENAISSANCE includes a comprehensive programme of Research and Technical Development (RTD), coupled with active and widespread dissemination activities. The integration of the research elements will produce hard data and new knowledge regarding public attitudes to new energy futures, planning policy development, building design, monitoring energy systems; commercial energy structures and local fuel supply chains. This information will be of significant value to the research community and to policy makers.

In total, there are 19 participants in this project, involving a large range of diverse stakeholders, from local authorities to technical & socio-economical experts, non-profit organisations, Universities and businesses.

## 1.2 PROJECT PARTNERS

N°	Name of Project coordinator	Coordination Contact person
16	Communauté urbaine du Grand-Lyon (Grand-Lyon) 20 rue du Lac ; F- 69 003 Lyon	Raphaëlle Gauthier <a href="mailto:raphaelle.gauthier@hespul.org">raphaelle.gauthier@hespul.org</a>
18	Hespul, Energies renouvelables & efficacité énergétique 114 bd du 11 novembre; F-69 100 Villeurbanne	Tel: +33 (0)4 37 47 80 90 (+3)

No	Full Name	Acronym	Country
8	Zaragoza City Council, Environment Department	Ayto-Zaragoza	Spain
9	Sociedad Municipal de Rehabilitación Urbana y Promoción de la Edificación de Zaragoza, S.L. => Sociedad Municipal Zaragoza Vivienda, S.L.U (23/05/2008)	Ex-SMRUZ/SMVZ	Spain
10	Fundación Ecología y Desarrollo- WITHDRAWN Mid-Year 3 (end of April 2008)	ECODES	Spain
11	Ecociudad Valdespartera Zaragoza	EVZ	Spain
12	Endesa Energía, S.A.	EDE	Spain
13	Centro Nacional de Energías Renovables	CENER	Spain
14	University of Zaragoza	UdZ	Spain
15	URBIC Engineering	URBIC	Spain
16	Communauté urbaine du Grand-Lyon	Grand-Lyon	France
17	SEM Lyon-Confluence => SPLA Lyon-Confluence (31/01/2008)	Lyon-Confluence	France
18	Hespul	HESPUL	France
19	Agence Locale de l'Energie de l'Agglomération Lyonnaise	ALE	France
20	Enertech	Enertech	France
21	INSA de Lyon (CETHIL)	INSA-CETHIL	France

22	SCI Lyon Confluence La Presqu'île (Lot A)	LOT A	France
23	SCI Lyon Islands (Lot B)	LOT B	France
24	La Confluence-Ilot C (Lot C)	LOT C	France
25	<del>University of Barcelona</del> <b>WITHDRAWN END of Year 2</b>	<del>UB</del>	<del>Spain</del>
26	Region of Lombardy	LOM	Italy
27	Endesa Cogeneración y Renovables S.A.	ECyR	Spain

### 1.3 WORK PERFORMED & RESULTS ACHIEVED TO DATE (OCT. 2008)

The project is at its 3<sup>rd</sup> year of its five years duration, and the project is running (around 35% of implementation). However, this average does not reflect the disparate achieved performances of this year.

#### 1.3.1 Consortium Management

Since January 2008, Hespul is the effective leader of the international coordination of the whole consortium, on the behalf of Grand Lyon. As Year 2, the project coordinator did put lots of efforts on managing the overall Consortium (and on capacity building), due to a high rate of staff turnover under the local coordination. At the local level, one major change has occurred in Saragossa: ECODES, the replacement of the University of Barcelona, as new local coordinator, did eventually withdraw from the project at the end of April, 2008. Its successor is the University of Saragossa (UdZ,n°14).

#### 1.3.2 Demonstration activities progress

<i>Eco-buildings (RUE &amp; RES demonstration activities)</i>		
ZARAGOZA		Images/photos
<b>Valdespartera blocks 12 &amp; 17.</b>	Construction of the blocks n°12 & 17, that integrates RUE & RES specifications, is completed For block 12, keys will be given to owners by mid-Dec 2008 For block 17, keys will be given to owners by January 2009	
<b>Valdespartera blocks 18 &amp; 13</b>	Construction work, that integrates RUE & RES specifications, is well-advanced block n°18. Completion expected for early 2009, except for Block 13 (expected for end of 2009).	
<b>Valdespartera Exhibition Centre</b>	Construction work, that integrates RUE & RES specifications, is done at approx. 30%. Completion expected for end of 2009 (on time).	
<b>El Picarral – social housings</b>	Municipality licence to refurbish the Anzánigo 10 y 12 obtained in March 2008. Constructor selected. Refurbishment works expected to be completed by spring 2009 (about 3 month delay). Municipality licence to refurbish General Yagüe 2-4-6-8 is pending for approval (expected by early 2009). Refurbishment works expected to be completed in 2009 (about 8 month delay).	

<b>El Pircarral- Public School Cándido Domingo</b>	Administrative procedures approved. Roof retrofitted (insulation included). PV installation & façade & windows refurbishments expected by end of 2009 (on time).		
<b>LYON</b>			
<b>Lot A (Block A)</b>	Construction works, that integrate RUE technical specifications, began in Summer 2008 and well progressed since. Completion delayed, expected between September to Dec. 2009		
<b>Lot B (Block B)</b>	Construction works, that integrate RUE technical specifications, began in Summer 2008 and well progressed since. Completion delayed, expected between July 2009 to July 2010		
<b>Lot C (Block C)</b>	Construction works just begin (Excavation Work). Completion delayed, expected for July 2010.		

### 1.3.3 RTD/Innovation, Dissemination and training results

In addition to demonstration activities progress and international/local management of the consortium, collaborative work performed has focused on the following areas:

- on continued RES & RUE technical advices and consultations with developers & construction enterprises;
- on monitoring systems and related activities;
- on dissemination and promotion activities, focusing on technical & academic outputs and RENAISSANCE political innovative approach on urban planning regeneration programmes for replication.
- On elaborating some common understanding on socio-economics aspects, and the design of training courses.

The results achieved so far are:

- Submission of the Final Report on Energy & Urban planning Policies, with foreseen update to be done by Zaragoza (See WP1.1 Annual Report).
- Further works on adjustments of RES & RUE technical specifications for buildings to stick to RENAISSANCE Energy performance objectives (See WP1.2, WP2.2, WP1.3, WP1.4 Annual reports)
- Completion of the design and installation of the integrated energy management & monitoring network in Zaragoza; Installation of PV monitoring system in laboratory and finalisation of the design on the multi-scale monitoring system in Lyon Confluence (WP2 Annual reports)
- Beside regular promotion activities, adoption of the RENAISSANCE common strategy on dissemination (See WP4 Annual Report)
- Regular updates on RENAISSANCE website, for external and internal communication (See WP4 Annual Report).
- Development of some training materials, targeting end-users & future inhabitants and training courses (See WP1.5 & WP5 Annual Reports)

All Annual Reports per Work Packages are available via: <http://www.renaissance-project.eu>

#### **1.4 EXPECTED END RESULTS AND INTENTIONS FOR USE AND IMPACT**

The principal end result of RENAISSANCE will be that **high-energy performance in new and refurbished buildings** can be done at reasonable costs, with existing technological solutions if applied appropriately. The second expected and ambitious impact is **its replication**, by continuously influencing both **policy makers** (in their Energy & urban planning policy approaches at local, regional, national & European levels) and the **building sector** (refurbishment, social housings, tertiary branches included). The third expected end result would be to highlight the importance of **appropriate trainings & technical supports** for target groups in these fields.

More details can be found on the project website: <http://www.renaissance-project.eu>

# 1.5 UPDATED PROJECT TIMETABLE

Overview of updated RENAISSANCE work schedule

