



**SHOWCASES INSIDE OUT** COST D42  
 HTTP://WEB.LETRAS.UP.PT/SHOWCASES.COSTD42

24<sup>th</sup>, 25<sup>th</sup>, 26<sup>th</sup> MAY 09 | 27<sup>th</sup> MAY 09

**WORKSHOP** | **POST-WORKSHOP ACTIVITIES**

Post-workshop Activities\_Seminar 2

27.05.09

**SEMINAR 2** MEASURING AIR EXCHANGE RATES AND LEAKAGE PATHS

<b>Responsible</b>	David Thickett English Heritage, UK <a href="mailto:david.thickett@english-heritage.org.uk">david.thickett@english-heritage.org.uk</a>
<b>Venue</b>	LabCR, FLUP
<b>Number of participants</b>	20
<b>Fee</b>	€30

<b>Scope</b>	Air exchange rate is fundamental to showcase performance. This workshop will elucidate the theory behind tracer gas measurements with carbon dioxide and demonstrate the practical application of the methodology and analysis of the results. Improvements to showcase air exchange rate are only possible if the leakage paths are known and can then be sealed. A tracer gas method using a commercial air duster and CFC detector will be demonstrated.
--------------	---

<b>Programme</b>	
<b>14:30</b> <b>16:00</b>	1. Air exchange rate; it's importance and measurement methods – presentation 2. Practical measurement of air exchange rate of showcases – practical in two groups
<b>16:00</b> <b>16:15</b>	Coffee-break
<b>16:15</b> <b>17:45</b>	3. Assessment of results – practical 4-6 small groups 4. Measurement of leakage paths – practical in 2 groups

SECRETARIAT  
 FÁTIMA LISBOA & CLÁUDIA MOREIRA  
 GABINETE DE EVENTOS, COMUNICAÇÃO E IMAGEM  
 VIA PANORÂMICA, S/N, 4150 – 564 PORTO, PORTUGAL  
 TEL.: (+351) 226077123/05 FAX.: (+351) 226077173  
 E.MAIL: GECI@LETRAS.UP.PT

LOCAL ORGANIZER CONTACT PERSON  
 PAULA MENINO HOMEM  
 DCTP/FLUP – MC DELEGATE COST D42  
 E.MAIL: PHOMEM@LETRAS.UP.PT / PMENINGH@GMAIL.COM