



## **ORFEUS User Group**

**(Optimised Radar to Find Every Utility in the Street)**

A project, co-funded by the European Commission's 6<sup>th</sup> Research and Development Framework Programme

*Utilities, Highways & City Authorities, Streetwork Contractors.*

### **Ground Penetrating Radar Workshop.**

*Or; how to find out what is under the highway without any digging.*



**13<sup>th</sup> (pm) and 14<sup>th</sup> September 2007**



**Gaz de France Research Centre  
St Denis, (near Stade-de-France)  
Paris**

*Development of effective technology to support efficient street works and map all underground plant.*

*Your opportunity to be briefed on the very latest practical developments in radar based no-dig site investigations and to directly influence a major European initiative in developing the technology.*



## Provisional programme

### Thursday 13<sup>th</sup> Sept

**2:00 pm** Registration for early bookers

**2:30 pm** Guided Visit to Gaz de France Research Laboratories (limited numbers can be accepted and this requires early booking)

**7pm** Informal networking dinner at hotel (if booked) (extra charge)

### Friday 14<sup>th</sup> Sept    Registration and Coffee from **09:00**

**09:30** Opening address and welcome to user group members. - Jean-Pierre Capdevielle. - Gaz de France

**09:45** Ground Probing Radar - introduction to the technology and its potential. - Howard Scott. ORFEUS project manager and GPR consultant.

**10:15** User study - Enrico Boi of TST Engineering (Practical experiences in mapping sites prior to excavation work)

**10:45** Coffee

**11:00** User study - Sophie Geraads - Vice President - Georadar Services (Using radar to support and plan effective streetworks)

**11:45** ORFEUS - the project and its aims and mission. - Dave Pinchbeck – The European Gas Research Group. Brussels

**12:00** The user survey feedback – what users have said they wanted. Specific User issues raised by the City of London – Mike Farrimond – UK Water Industry Research

**12:30** Lunch

**1:30** Specification group session opening – developing your user requirements further. - Remi Courseille – Gaz de France

**1:45** Breakout sessions (with coffee) – capture your requirements for project guidance

**2:30:** Specification development, group feedback, tests sites, verification.

**3:00** Hands-on On-site demonstration of current GPR technology (weather permitting) - Guido Manacorda – IDS Pisa

**3:30** Formation of steering sub-group, summing up, and depart - Martin Morey - MCUG

**4:00** Meeting closes

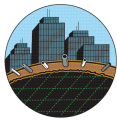
### Programme of user meetings and update sessions.

- September 2007    Paris - France
- June 2008         Birmingham - UK
- September 2008    Pisa - Italy
- April 2009         Brno - Czech Republic
- September 2009    Cologne - Germany



**Dinner** – we require confirmation and pre payment for the dinner (50 €)  
Accommodation – we can provide a list of recommended accommodation.  
**Event fees** – The normal fee to attend further user meetings as an end-user is 150 € plus tax. This first meeting (excluding the dinner) is free as it is funded and supported by The European ORFEUS project budget and the venue by our hosts Gaz de France, so is free to attend for qualifying bona-fide end users; those that carry out, manage, or commission street works.

Supported by



Mapping the  
Underworld



**At this workshop you will:**

- **Gain a basic understanding of how current no-dig radar systems work.**
- **Influence the development and testing of a major practical research programme funded by the EC for the benefit of Utilities**
- **Have an insight of how GPR can benefit your street works and save time and cost both today, and for the future.**
- **See a practical demonstration of current technology and understand its strengths and weaknesses in real situations.**

**How to apply to attend this event**

Visit the ORFEUS web site ([www.orfeus-project.eu/usergroup.html](http://www.orfeus-project.eu/usergroup.html) ) and follow the links to the September 2007 User Group meeting or email [orfeus@mcug.org.uk](mailto:orfeus@mcug.org.uk) or telephone +44 (0) 191 265 4684 or Fax this sheet to +44 (0)191 265 4685 to request a place.

**Request to attend User Group workshop on the 14<sup>th</sup> September 2007**

Name \_\_\_\_\_

Company \_\_\_\_\_

Job function \_\_\_\_\_

E mail \_\_\_\_\_ Telephone \_\_\_\_\_

Address \_\_\_\_\_

+ I would like to attend the Gaz de France visit on the 13<sup>th</sup> Sept \_\_\_\_\_

+ I would like to attend the dinner on the 13<sup>th</sup> September (50 €) \_\_\_\_\_

**FAX this to MCUG on +44 (0) 191 265 4685**