

## GROUNDMED PROJECT

**“Advanced ground source heat pump systems for heating and cooling in Mediterranean climate”**

**WP2, large capacity heat pumps and system components  
Meeting n°3**

**CIAT  
(F) 01350 CULOZ  
17<sup>th</sup> & 18<sup>th</sup> of May 2010**

**Confidential Document**

### Participants

<b>Partner</b>	<b>Name</b>	<b>Surname</b>
UPV	CORBERÁN SALVADOR	JOSÉ MIGUEL
	MONTAGUD MONTALVÁ	CARLA
EST SETUBAL	COELHO	LUIS
	GARCIA	JOAO
GROENHOLLAND	VAN GELDER	GUUS
CRES	KARYTSAS	COSTAS
	MENDRINOS	DIMITRIOS
ISR	DE ALMEIDA	ANIBAL
UCD	FINN	DONAL
CEA	COLASSON	STEPHANE
CIAT	ABRY	MARCEL
	AUZENET	ERIC
	GARRIDO	DAMIEN
	GEVAUDANT	NICOLAS
	LAGRÉ	DAVY

## Program

### 17th of May :

#### - Task 2.1 – High energy efficiency large capacity heat pumps

**09H00** : Welcome to the participants  
Round table

Referring to the minutes of the last meeting, partners are invited to present their contributions :  
UPV, ESTS, CEA, CRES, ISR, GROENH, CIAT

**9H15** : Refrigerants – HFO1234yf test results: CEA

**10H00** : MCP products available – tests/experimental results – article synthesis ...  
: ESTS & ISR

Coffee break for 15 minutes around 10.30 a.m.

**11H00** : Coimbra new demo site heat pump- validation of the capacity required : ISR

**11H45** : Fabrica del sol Heat pump optimization – partialization losses: UPV

**12H30** : Lunch

**14H00** : Heat pump prototype : CIAT

**15H00** : Market survey for pumps & HP computer modelling and optimization : CRES

**16H00** : Efficient motors : ISR

**17H00** : Discussion - Share of work – Next deliverables to prepare

**17H30** : End of the meeting

**20H00** : Dinner in Annecy

## 18th of May:

### - Task 2.2 – High energy efficiency HVAC system

- 8H30** : Presentation of the work done in WP4 - coordination action – monitoring , DAQ, algorithm to be implemented...: UCD & ISR
- 10H00** : Presentation of the BMS planned for Septèmes Les Vallons : CIAT
- 10H30** : Coffee break for 15 minutes
- 10H45** : Tank influence (position & volume) : UPV
- 11H30** : System design – water circuit : Groenholland
- 12H15** : System design – water circuit for Septèmes Les Vallons : CIAT
- 13H00** : Lunch
- 14H30** : Conclusion – Share of work

End of the meeting – Back to the Hotel or to the Airport

