



# Newsletter



ENhanced Geothermal Innovative Network  
for Europe - co-ordination action



N°1 – January 2006

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## Editorial

November 1<sup>st</sup>, 2005 is the official starting date for the ENGINE Co-ordination Action. So what has been achieved during the two first months of the project? [The kick-off meetings of the Steering Committee and Executive Group](#) were held in Potsdam on November 10<sup>th</sup> and 11<sup>th</sup>. You have been informed of the main achievements of these meetings, and the [minutes are available on the web site](#).

The web site is one of the 52 deliverables of the Co-ordination Action and was opened in mid December. Its aim is to provide and manage all kinds of information circulating between partners, and to serve as a showcase for progress of the ENGINE project. The INDICO software for the management of meetings, conferences and workshops has fulfilled our needs and is user-friendly. Information can be modified and updated on-line by those organisers that have editing access rights, and the few 'teething' problems of connection and registration were quickly resolved. Information and training will be provided during the conference for the partners in charge of the coming events.

The launching conference constitutes a unique opportunity to present the state-of-the-art and to identify topics for which a significant gain could be made through technology transfer, exchanging know-how and information. It is considered as a 'starter' for preparing and motivating the partners for their participation in this 'integration phase' of the project through the preparation of the workshops. Thus, the speakers have been invited to focus their talks on syntheses and general reviews of the various aspects of Enhanced Geothermal Systems. Specific topics and detailed

presentations will be preferentially presented as posters during this conference or as talks during the specialised workshops. The [program](#), still provisional as the deadline has been postponed until January 22<sup>nd</sup>, is available on the web site.

Informal meetings will be organised on the Monday morning and the Wednesday afternoon by the work package leaders with participants. The aim is —from this initial contact on the Monday morning, during the conferences presenting syntheses and general reviews, through to the final meeting on the Wednesday afternoon— that this conference will succeed in outlining a 'road map' defining the work that has to be carried out over the next two years.

On the initiative of the Executive Group, representatives of public bodies and stakeholders have been invited to participate in the opening session. The preliminary contacts made during the preparation of this launching conference reveal that there is a good opportunity to develop and strengthen links and business relationships with stakeholders, international and national agencies and policy makers. This is a major positive signal that we hope to build upon by creating and running a stakeholder committee that the Executive group could invite to formal and informal meetings for the promotion of geothermal energy.

Let's all work together towards this goal! We feel strongly that our research and projects are well worth promoting. Hope to see you soon in Orléans.

## 1. ENGINE Web site

The [ENGINE Web site](#) has been opening since last December. It will grow continuously during the life of the ENGINE project to be the main Information and Dissemination vector for the project. For now, the priority has been focused on the conferences and workshops management, especially for the Launching Conference organization.

A [personal account](#) must be created to register or to post an abstract on the ENGINE conferences and workshops Web site. Your account will be able for the whole ENGINE conferences and workshops. Feel free to contact the webmaster ([webmaster-engine@brgm.fr](mailto:webmaster-engine@brgm.fr) or [p.calcagno@brgm.fr](mailto:p.calcagno@brgm.fr)) if you face any problem in using the ENGINE Web site.

## 2. Launching Conference, 12-15/02/2006, Orléans

The Launching Conference of the ENGINE project will be hosted by [BRGM](#) and hold in Orléans from 12 to 15 February 2006. The organization of [the Launching Conference](#) is managed on the ENGINE Web site where [the official announcement](#) document can be downloaded.

All participants, from the ENGINE network or from any other institutions, must **register before Sunday 22 January**. Please refer to the Registration section below.

The contributors must **submit before Sunday 22 January**. Please refer to the Call for abstract section below. As soon as all abstracts will be available, the final program will be edited. You will then be able to attach the documents related to your talk until

Monday 6 February through the ENGINE Web site.

Reception of the participants will start at 2 pm on Sunday 12 February at the conference hotel and will be also possible on Monday morning at the BRGM. Don't forget that if talks will start at 1 pm on Monday, meetings will be organized by the work package leaders with all partners on Monday morning, from 10 am. An ice-breaker will be offered on Sunday evening at the hotel at 7 pm and we encourage you to anticipate the meeting by arriving on Sunday. A dinner will take place at this hotel on Tuesday evening and we hope to have an official reception in the city hall of Orleans on Monday evening. Conference buses will drive participants between the conference hotel, BRGM, reception and dinner locations.

	8:30 – 10 am	10 – 12 pm	1 – 4 pm	4 – 6 pm	After 6 pm
Sunday 12				Welcome at the hotel	Ice breaker
Monday 13	Executive Group	WP meetings	Conference		
Tuesday 14	Conference				Conference dinner
Wednesday 15	Conference		WP meetings	Steering Committee	

## ***The conference programme (provisional)***

The provisional conference program is presented on [the Launching Conference main page](#). Please check if any mistake has been introduced and feel free to make changes in

the title when submitting the abstract. For any question, feel free to contact the conference chairpersons ([p.ledru@brgm.fr](mailto:p.ledru@brgm.fr), [a.genter@brgm.fr](mailto:a.genter@brgm.fr)).

## ***Executive Group and Steering Committee meetings, 13-15/02/2006***

The meetings of the Executive Group and Steering Committee will be held apart from the Launching Conference. The Executive Group meeting will take place on Monday morning

13/02/2006, 8:30 am to 10:00 am. The Steering Committee meeting is scheduled on Wednesday afternoon 15/02/2006, 4:00 pm to 6:00.

Composition of both committees is recalled:

### **Executive Group:**

Christian Fouillac, President of the Executive Group ([c.fouillac@brgm.fr](mailto:c.fouillac@brgm.fr))  
Sierd Cloetingh ([alwien.prinsen@falw.vu.nl](mailto:alwien.prinsen@falw.vu.nl))  
Emile Elewaut ([Emile.Elewaut@tno.nl](mailto:Emile.Elewaut@tno.nl))  
Rolf Emmermann ([emmermann@gfz-potsdam.de](mailto:emmermann@gfz-potsdam.de))  
Ólafur Flóvenz ([ogf@isor.is](mailto:ogf@isor.is))  
Ernst Huenges ([huenges@gfz-potsdam.de](mailto:huenges@gfz-potsdam.de))  
Jos Maas ([jos.maas@shell.com](mailto:jos.maas@shell.com))  
Patrick Ledru ([p.ledru@brgm.fr](mailto:p.ledru@brgm.fr))  
Adele Manzella ([manzella@igg.cnr.it](mailto:manzella@igg.cnr.it))  
Ladislaus Rybach ([rybach@geowatt.ch](mailto:rybach@geowatt.ch))

### **Steering Committee:**

Ernst Huenges, President of the Steering committee ([huenges@gfz-potsdam.de](mailto:huenges@gfz-potsdam.de))  
Adele Manzella, vice President of the Steering committee ([manzella@igg.cnr.it](mailto:manzella@igg.cnr.it))  
Philippe Calcagno ([p.calcagno@brgm.fr](mailto:p.calcagno@brgm.fr))  
Albert Genter ([a.genter@brgm.fr](mailto:a.genter@brgm.fr))  
Martin Kaltschmitt ([mk@ie-leipzig.de](mailto:mk@ie-leipzig.de))  
Costas Karytsas ([kkari@cres.gr](mailto:kkari@cres.gr))  
Thomas Kohl ([kohl@geowatt.ch](mailto:kohl@geowatt.ch))  
Sven Thorhallsson ([s@isor.is](mailto:s@isor.is))  
Patrick Ledru ([p.ledru@brgm.fr](mailto:p.ledru@brgm.fr))  
Ad Lokhorst ([a.lokhorst@nitg.tno.nl](mailto:a.lokhorst@nitg.tno.nl))



Engine Executive Group in GFZ Potsdam (photo from O. Flovenz): from the left to the right : J. Schuppers, Ch .Fouillac, R. Emmermann, A. Manzella, E. Huenges, P. Ledru, O Flovenz, L. Rybach, J. Maas.

## **WP special meetings**

Special meetings have been planned for the organisation of the work within the work packages. Meetings between the Work Package leaders and the participants will take place on Monday 13 morning (10 – 12 am) and Wednesday 15 afternoon (1 - 4 pm) on the following themes

- 1. Investigation of Unconventional Geothermal Resources and in particular Enhanced Geothermal Systems:** A. Manzella (IGG, Italy, WP3 leader), T. Kohl (GEOWATT AG, Switzerland, WP6 leader)
- 2. Drilling, stimulation and reservoir assessment,** S. Thorhallsson (ISOR, Iceland, WP4 leader), E. Huenges (GFZ Potsdam, Germany, WP7 leader)
- 3. Exploitation, economic, environmental and social impacts,** M. Kaltschmitt (IE, Germany, WP5 leader), C. Karytsas (CRES, Greece, WP8 leader)

The main topics to be discussed are (following our Document Work):

- Defining the main actions to be undertaken for integration of the scientific and technical know-how and practices

- Proposing exchange of personnel (identification of welcoming centres, definition of the motivation for the exchange)
  - Defining a publication policy aimed at increasing the scientific quotation of associate members and promoting geothermal energy
  - Detailed organisation of specialised workshop(s) to be held (use of the INDICO software, invitation, sponsorships, field trips, location...)
- and any matter you want to discuss.

These pre and post conference meetings are good opportunities to define the work that has to be done between each of our conferences. We have encouraged the work package leaders to contact all partners and participants. Of course, all partners and participants are also invited to contact the work package leaders... The access to the rooms for attending these meetings will be indicated at the entrance of the BRGM.

## **Registration**

The conference registration is still open. The **deadline** for registration is **Sunday 22 January**.

Before registering, you need to create an [account](#) on the ENGINE conferences and workshops Web site. Your account will be able for the whole ENGINE conferences and workshops.

All participants, from the ENGINE network or from any other institutions, must **register before Sunday 22 January** by using the [Registration form](#). You will receive a confirmation email from the Engine Website after registering to the Launching Conference. You will then be able to check your details until Sunday 22 January by using the "My registration" menu.

## **Accommodation**

When filling the registration form, 2 choices are proposed for your accommodation: you can either book for the conference hotel or arrange your own accommodation.

### **1/ Conference hotel**

By checking this box, you let us know that you will register at the conference hotel. But checking the "conference hotel" box doesn't mean that the hotel is register for you. A pre-reservation has been done in the hotel "Domaine des Portes-de-Sologne" near by BRGM where all facilities for transportation and reception will be provided.

After finishing your registration to the Launching Conference, **you have to register your room on the conference hotel Web site** by filling [the hotel registration form](#). Please **indicate** in the message box that you will participate to the **ENGINE conference**. Thank you for registering before the Sunday 22 January (75€ per night for single room, 85€ for a double room, including breakfast). You will then be directly contacted by the hotel.

### **2/ I will arrange my own accommodation**

By checking this box, you let us know that you will arrange you own accommodation for the Launching conference.

## **Call for abstract**

The **deadline** for abstract submission is **Sunday 22 January**.

The contributors must **submit before Sunday 22 January** their abstract by using the [Call for Abstracts form](#). You will receive a confirmation email from the Engine Website after posting your abstract for the Launching Conference. After posting your abstract, you will be able to modify it until Sunday 22 January by using the "View my abstract" menu.

At this stage, the abstract should be limited to one page and can **only contain text**. The web site of the conference enables the edition of a book of abstracts as well as the printing of a CD containing all attached presentations (PowerPoint file or any standard slide presentation software), extended abstracts, articles... This is why we strongly encourage you to **provide** all documents **before the Monday 6 February**.

The abstract should describe the paper and include a statement of the issue, research methods and significant findings. Abstracts should be written as one continuous paragraph. Electronic submission of abstract **does not allow** a simple, straightforward system which would allow **the use of Greek symbols, superscripts or subscripts**. Authors are encouraged to avoid them as far as possible.

Authors are responsible to properly classify their abstracts in the respective tracks. The names of submitting authors are expected to make the oral/postal presentation and the respective names will appear first in the abstract brochure.

Please note that abstract submission/modification is open only for people who have already registered to the conference.

## **How to go to the conference in Orléans?**

No car is needed if you want to visit downtown Orléans but you will need a car if you want to visit the countryside.

If you come by plane, the itinerary is Paris CDG airport – Paris Austerlitz train station – Orléans gare (downtown) train station – conference hotel. From the airport to the conference hotel: about 3 hours depending on the transport timetable.

### **1/ By plane**

Depending on your departing location, you will land either at Paris CDG airport or Paris Orly airport.

Then you can go to the Paris Austerlitz train station to take a train to Orléans (please look at the section below).

Paris CDG airport – Paris Austerlitz train station: about 1 hour.

Paris Orly airport – Paris Austerlitz train station: about 45 minutes.

You can take public transports (RATP Paris public transports, [English version](#) or [French version](#)) or a taxi or an [Air France Bus](#) (Web site in French only).

### **2/ By train**

The trains to Orléans depart from the Paris Austerlitz train station.

Paris Austerlitz train station – Orléans gare (downtown) train station: about 1 hour. At peak hours, about a train every half an hour. Please refer to the [SNCF \(French trains\) timetable](#) (English version).

When arriving in Orléans, you can take a taxi or a public transport (bus or tramway) to go to the conference hotel.

Orléans gare (downtown) train station – conference hotel: about half an hour.

[The Semaio \(Orléans public transports\) official website](#) (French only).

### **3/ By car**

If you plan to come by car, please use a route planner such as Via Michelin, [English version](#) or [French version](#).

### **By the highways (about 10€):**

From Paris take the A10 highway to Orléans (Bordeaux direction), then A71 highway for Bourges - Clermont-Ferrand direction, and exit to Olivet - Orléans La Source (Southern part of

Orléans). When you leaves the A71 highway, at about 3 km, take the main Road N20 for Vierzon – Bourges direction, and exit at "CHRO, Hospital d'Orléans-La Source" (see the local map below).

**By the Nationale 20 (N20, no fee):**

take the direction Orléans from Paris, then cross all the city of Orleans through Vierzon direction. In the southern part of Orleans, exit at "CHRO, Hospital d'Orléans-La Source" (see the local map below).



Simplified map between Paris and Orléans. Hotel Les portes de Sologne (Anchorage) and BRGM are located in the southern part of Orléans.



Schematic map of Paris



Hotel Anchorage called Les Portes de Sologne (on the left) and BRGM site. There is about 1,5 km between the hotel and BRGM

Those maps come from the BRGM web site

[English version](#)

[French version](#)

### 3. Relationship with decision makers and stakeholders

Among its main objectives, the ENGINE project aims at developing links between research and development teams and stakeholders. In this perspective, the Executive Group has addressed a letter to invite representatives of public bodies and

stakeholders to participate to the opening session. This letter can be used by any partner to invite any other person who could be interested by participating to this launching conference. Please find the letter signed by the EG Chairman.



#### Research Division

DR.LCF/060110-1

#### **Subject: ENGINE project / Launching conference on February 12-15, 2006**

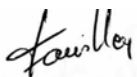
The ENGINE project (ENhanced Geothermal Innovative Network for Europe) is a co-ordination action supported by the 6th Research and Development framework of the European Union. Its main objective is the co-ordination of the present research and development initiatives for Unconventional Geothermal Resources and Enhanced Geothermal Systems, from resource investigation and assessment stage through to exploitation monitoring. A brief summary of the project and the list of the involved partners are presented in Annex.

Among its main objectives, the ENGINE project aims at developing links between research and development teams and stakeholders. The Executive Group of the project, whose composition is indicated in the summary of the project, has expressed its will to establish contacts with private firms, public companies, public decision makers, funding agencies, territorial authorities that are already involved in the geothermal energy, or could be interested in the near future, and thus, beneficiate of the achievements of this project.

The launching conference of the ENGINE project will be hosted by BRGM and held in Orleans February 12-15, 2006. The main aspects of the development of EGS will be reviewed during this conference as presented on the joined preliminary program and web site (<http://engine.brgm.fr/>). We put the emphasis on the Introduction Session (Monday, February 13, 1-3 pm) that will concern the national and European strategies for the development of the geothermal energy among other renewable energies. This session will be chaired by Ph. Vesseron, President of BRGM, with the participation of the European Commission officer, J. Schuppers, and representatives of public bodies and stakeholders. We would highly appreciate your presence during this session as we consider we could establish together fruitful relationships in the framework of this Coordination Action. Meetings with the members of the Executive Group could also be arranged at your convenience.

We stay at your disposal for any information concerning this project. Hoping that you will join this conference and be interested by developing further collaboration for the development of the geothermal energy and in particular of Enhanced Geothermal Systems,

Yours sincerely,



Christian Fouillac  
EG Chairman