

	<b>Call for joint French-German research projects in the field of sustainable chemistry</b>	Deutsche Forschungsgemeinschaft <b>DFG</b>
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## **CALL FOR PROPOSALS IN THE FIELD OF CHEMISTRY**

Issue 2008

### **„Environmentally Friendly Homogeneous and Heterogeneous Catalysis - EFC“**

Jointly published and carried out by the Agence Nationale de la  
Recherche and the Deutschen Forschungsgemeinschaft

Issue of Call  
9 April 2008

**Deadline for submission of proposals  
6 June 2008**

**Contact partners:**

**Prof. Michel Ribes, +33 (0)1 78 09 80 53**  
[michel.ribes@agencerecherche.fr](mailto:michel.ribes@agencerecherche.fr)

**Dr.-Ing. Georg Bechtold, +49 (0)228 885-2818**  
[georg.bechtold@dfg.de](mailto:georg.bechtold@dfg.de)

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## CLOTURE DE L'APPEL A PROJETS

### DATE LIMITE D'ENVOI DES PROJETS

SOUS FORME ELECTRONIQUE (DOCUMENTS DE SOUMISSION ET DOCUMENT A )  
**06/06/2008 impérativement avant 12 h 00 (heure de Paris)** à l'adresse

*efc.anr@ifp.fr*

ET

**DATE LIMITE D'ENVOI DU DOCUMENT DE SOUMISSION A**  
SOUS FORME PAPIER, SIGNE PAR TOUS LES PARTENAIRES

**13/06/2008** cachet de la poste faisant foi, à l'adresse

*IFP-SANR*

Programme EFC  
1 et 4, avenue de Bois-Préau  
92852 Rueil-Malmaison cedex

## CONTACTS

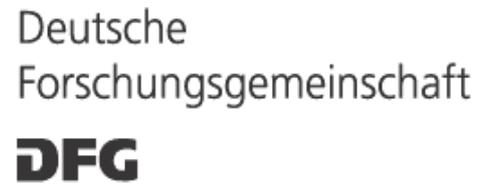
**CORRESPONDANTS DANS L'UNITE SUPPORT DE L'ANR**  
**technique et scientifique** **administratif et financier**

Gil Mabilon,  
mail :efc.anr@ifp.fr ;  
tél. 04 78 02 28 54,

Stephane Lecomte  
mail :efc.anr@ifp.fr ;  
tél. 01 47 52 64 73 ; fax 01 47 52 67 57

**RESPONSABLE DE PROGRAMME ANR**

*Michel Ribes tel.01 78 09 80 53*



French-German call in the field of Sustainable Chemistry 2008

Project title

Acronym

Names of principal investigators (French and German) of the joint project and institutions

Application form 2008

## I General remarks

1. Only joint proposals from applicants based in France and Germany are eligible. A **single joint application**, to be sent in one copy to ANR and one copy to DFG, is required. The joint proposal should contain a working plan, distinguishing the tasks of the involved French and German research groups and how the cooperation will be organised. For the requested budget, separate information for the French and German sides are necessary. Both budgets should be shown in a diagram in order to get an overview at a glance. The budgets should be balanced. The applicants should also describe the **added value of the cooperation**, i.e. the special benefit resulting from the cooperation of French and German research groups. Furthermore the costs need to be carefully justified and derived from the working programme.
2. The subject of the application should be within the field of **Environmentally Friendly Homogeneous and Heterogeneous Catalysis**. Sustainability is a crucial requirement for modern synthesis. In this context, catalytic processes play a key-role, because they allow the selective transformation of molecules with minimal consumption of energy and materials. The programme is designed to use the complementary expertise of French and German groups for developing novel homogeneous (metal catalyzed or organocatalytic) or heterogeneous processes for environmentally benign synthetic transformations. Ideally, groups with focus on synthetic aspects will cooperate with mechanistically, spectroscopically, or theoretically oriented groups to develop novel target- or diversity-oriented syntheses. Enzyme-catalyzed reactions and related biotransformations shall not be considered in this call.
3. A project duration between 2 or 3 years is possible. The proposal should contain (starting from explanation II.1 to II.4.3 below) no more than 15 pages up to 4,000 characters. Short CVs and lists of the five most important publications of the French and German project leaders should be included. A brief description of the scientific background of all involved researchers to be financed within the project is requested. Identical versions of the proposals should be sent to both ANR and DFG each in two paper copies and simultaneously in electronic form, preferably as pdf (if not rtf) document, except the document A for the french partners that must be xls.
4. ANR and DFG will conduct a joint review and decision procedure according to their specific rules. The best projects will be selected by a joint committee.

## **II. Proposal Format**

### **1. General information**

#### **1.1. Project participants and cooperation partners**

##### **1.1.1. Names and addresses of French and German principal investigators**

##### **1.1.2. Names and addresses of other French and German researchers involved**

#### **1.2 Topic**

Please give a brief and precise description of the project, not exceeding 140 characters and an acronym, maximum 12 characters.

#### **1.3 Research area and field of work**

Please include your discipline (e.g. physical chemistry, organic chemistry) and your field of specialisation (e.g. theory of catalysis, surface characterisation, etc.).

#### **1.4 Anticipated total duration**

Please state the period for which funding is requested.

#### **1.5 Summary**

Please summarise the main goals of the project in a generally understandable manner. This should not exceed 20 lines (max 2100 characters).

### **2. State of the art, preliminary work**

#### **2.1 State of the art**

Please explain briefly and precisely the state of the art in your field in its direct relationship to your project as the starting point for your own work, quoting the most important relevant work of other scientists.

#### **2.2 Preliminary work in the field**

Please summarise the most important results of relevant previous work by yourself and, if applicable, by both French and German groups.

### **3. Objectives and work schedule**

#### **3.1 Objectives**

Please give a concise description of the scientific programme and the scientific objectives. Furthermore, please explain the synergistic effects you expect from the French-German cooperation within your project.

Please indicate if your expected results are relevant to other fields.

#### **3.2 Work schedule, methods, timeline**

Please provide a detailed description of the methods that you plan to use in the project: Which methods are already available? Which methods need to be developed? Please give a detailed account of the steps planned during the proposed funding period.

The work schedule should clearly state why the funds are needed and how they will be used, providing details on individual items where applicable.

## **4 Funds requested**

Partly different modalities apply to the French and German portion. Please provide separate budgets for the French and German working group, respecting the individual guidelines.

### **4.1 Budget of French applicants**

Please refer to the submission document A. Selected projects will be asked to give additional budgetary information.

### **4.2 Budget of German applicants**

#### **4.2.1 Staff costs**

If you are applying for replacement costs, please include information relating to the nature of the proposed replacement regulations and their costs, as well as the duration of the research period applied for. In the work schedule, please state why a leave would be necessary in order to carry out the research project.

For research staff:

- a) For all research staff to be paid according to the salary scales TV-L, BAT or MTArb (east or west), please state:

- ⇒ how long he/she will be employed in the project
- ⇒ at which wage level (TV-L, BAT or MTArb east or west)

- b) For research assistants (with a degree) and student research assistants (without a degree), please state:

- ⇒ how long he/she will be employed in the project
- ⇒ the number of hours per month

An important criterion for the approval of funding for student research assistants is their qualified involvement in the project. This must be justified in the proposal.

For the personnel costs, please use the following average values:

Salary category	West €/year	Ost €/year
BAT IIa	58,800	55,200
Research assistant (with degree)	18,000	16,800
Student research assistant	12,000	10,800

Please give a brief description of the tasks referring to the working programme for each person to be paid by DFG support. Describe also the period of the involvement in the project.

#### **4.2.2 Scientific instrumentation**

- a) All requested *instrumentation costing more than €10,000* per item (purchase price including VAT and other expenses) will generally be purchased by the DFG if the proposal is approved. Please list the information and prices as follows, and mark the relevant items in the offers (which must also be enclosed).

Please explain why this instrumentation is essential to the project and justify its necessity in relation to the core support furnished by the institution. Requested instrumentation must be described in sufficient detail (i.e. technical specification) to assure that the capabilities meet the requirements described in the work schedule (e.g. measuring field, resolution, sensitivity, etc.). In addition, please justify the need for the accessories as requested. The technical specifications should be given precisely for the DFG to be able to purchase it without needing to make further enquiries.

Please state the total period of instrumentation use in the scope of the proposed research project and, where applicable, possible use by other scientists.

Please obtain information about the instrumentation on the market that meets the required specifications. The models that you are considering should be compared in terms of their suitability for the project, stating the manufacturer, accessories, performance and price. Please submit relevant comparable offers. Your preference should be explained in detail, especially if there is only one model that you regard as suitable for your purpose. In addition to the technical data and the price, other aspects such as the availability of equipment in the university department, your experience with similar instruments, the exchange of measuring programmes, issues relating to technical maintenance, etc., may also play a role in selecting the appropriate model. If the choice of equipment is not explained in detail, the DFG will make the selection based solely on price.

If you request instrumentation costing more than €50,000, the DFG expects you to include a formal statement that the maintenance/running costs and installation have been clarified with your host institution prior to submitting the proposal.

- b) All requested instrumentation costing less than €10,000 per item should also be listed, naming different models and prices and including an explanation as to why this equipment is necessary.
- c) If existing instrumentation and computing facilities required by your project are only accessible to you by paying a fee, please quote these costs and give details.

#### **4.2.3 Consumables**

Please list and explain the need for each individual item (e.g. chemicals, glassware, etc.).

#### **4.2.4 Travel**

Costs for travels of the participants of the project required for the realisation of the scheme, also for research stays at the French project partners, for the invitation of foreign guest scientists and for the organisation or visit of workshops and conferences.

#### 4.2.5 Publication expenses

Please state whether you wish to apply for publication funds (max. €750 per year) in the scope of the project.

#### 4.2.6 Other costs

E.g. services rendered by third parties, compensation for test persons, laboratory animals (species and number), documentation and scientific literature, project-specific software, etc..

Please explain the need for each individual item.

#### 4.3 Overview of requested budget

Summary of chapters 4.1 and 4.2:

	<b>French</b>	<b>German</b>
Personnel costs		
Equipment		
Consumables		
Publication costs	-----	
Travel costs		
Other costs		
Indirect costs		-----
<b>Total</b>	<b>€</b>	<b>€</b>

#### 5. Prerequisites for carrying out the project

What resources, including other third-party funding, do you anticipate will be available to you for this project (excluding the funding requested in this application)? What other conditions have been met?

#### 6. Declarations

##### 6.1 Declarations for French applicants

If you have submitted the same (or similar) request for funding to other programs of

ANR or to other institutions, please mention this here.

## 6.2 Declarations for German applicants

If you have submitted the same request for funding to **other institutions**, please mention this here. The same applies if larger instruments, as listed under section 4.2, have been, or will be, requested from other sources (e.g. according to the *Hochschulbauförderungsgesetz* or within a Collaborative Research Centre).

If this is not the case, please include the following statement:

"I have not requested funding for this project from any other sources. In the event that I submit such a request, I will inform the Deutsche Forschungsgemeinschaft immediately."

If you work at a **university that is member of the DFG**, you should inform your university's DFG liaison officer about this application and mention this here.

If you work at a Max Planck institute, please inform the head office of the Max Planck Society about this application and mention this here.

## 7. Signatures

The proposal needs to be signed both by the French and German principal investigators.