

Short guidelines for the preparation of an application for free-of-charge transnational access to the DERri Research Infrastructures and facilities

The DERri project

DERri - Distributed Energy Resources Research Infrastructure - is a EU funded project (Nr. 228449) under the FP7 Research Framework Programme. 16 partners from 12 countries distributed all over Europe cooperate in the project. All partners have leading DER expertise as well as exceptional and supplementary DER research infrastructures and facilities. In addition to internal Networking Activities and Joint Research Activities, DERri provides European researchers the opportunity for free-of-charge transnational access to the DERri Research infrastructures.

Access to research infrastructures

DERri provides European researchers (normally joined in User Groups) the opportunity to develop their own research projects through the Transnational Access (TA) to the DERri consortium's Research Infrastructures (RI) – free-of-charge, supported by the European Commission, thus adding new and valuable knowledge to their research. Project applications, proposing the utilisation of the DERri consortium's RI, will be selected by a Selection Committee through a transparent process based on defined merit criteria. The free-of-charge access will include transport, accommodation, RI access and access assistance - to be agreed on and specified between the parties.

Topics targeted by the proposed Research Projects

The Calls for Proposals will be targeted to the following, non exhaustive, general topics, which characterize the overall offer of DERri:

- Distributed Generation system and architectural problems
- Smart grids
- Domotics
- Control of the Networks with DER Infrastructures
- Renewable Sources
- Energy Efficiency
- Power quality
- Security of the grid
- Communication

Proposals will freely cover aspects related to one or more of the listed topics.

Access procedure

The Access Procedure will develop through the following steps:

- Call: Every half year DERri calls for TA proposals are launched
- Application: Applicants to DERri TA must follow the template and the instructions in the guideline.
- Submission: Electronic
- Evaluation: The proposals received are evaluated by the Selection Committee, based on the specified evaluation criteria.
- Selection: The proposals with the highest score - and within the DERri budget available - are offered the free-of-charge RI access.
- Contract: A DERri TA Contract between the RI and the User Group states the conditions.

Evaluation criteria

The DERri TA Applications are evaluated by the Selection Committee based on the following five evaluation criteria, each with score 0-5:

- Scientific/Technical: Scientific and technical relevance, originality and innovation.
- Compliance with EU policies and priorities: Compliance with European RTD policies and priorities. Social impact. Impact on EU Industry (e.g. standardisation and competitiveness). Sustainable growth interest.

- Improve know-how and capacity of the RI: Improvement of know how within the Research Infrastructures. Enhancement of RI technologies and methods. Synergies with other projects and cooperation with other infrastructures.

- Feasibility - Access - Costs: Cost and feasibility (promise of success vs. risk of problems, amount of access requested, etc.)

- Quality of the proposal: Completeness and organisation of the proposal. Clear definition of the objectives and of expected results. Relevance of the proposed dissemination actions. New User, young Users and project led by women (to encourage gender equality in science).

The proposals obtaining the highest scores and within the budget available are selected and offered the free-of-charge access.

Eligibility Criteria of the User Groups

The following main Eligibility provisions of the Users Groups being access yield, according with the EC Rules for Transnational Access:

- a) The User Group leader and the majority of the Users must work in an institution established in an EU Member State or Associated State;
- b) The User Group leader and the majority of the Users must work in a country other than the country(ies) where the legal entity(ies) operating the infrastructure is(are) established.
- c) Only User Groups that are entitled to disseminate the foreground they have generated under the DERri access are eligible to benefit from access free of charge to the infrastructure.

The free-of-charge support

In addition to the RI access and the access assistance, the free-of-charge support offered by DERri covers the expenses for travel and subsistence of Users according to the rules of the hosting infrastructure and up to a certain ceiling. In general each User receives a per day pocket money (PDPM) for each day of stay at the Infrastructure and the reimbursement of the travel costs (low-cost and public transportation, whenever possible) with presentation of regular invoice. The conditions are explicitly indicated in the Contract.

Contract

A Contract for Access to the RI between the User Group (Represented by the Lead User) and the RI (represented by the Legal Representative) has to be signed by both Parties before starting the Access.

The Contract fixes the conditions of the stay by the Researchers at the RI, including Reimbursements, Logistical and Safety aspects and the Provisions for Dissemination and Publication of results and the Intellectual Property Rights protection.

The application

The present guideline is valid for the DERri TA call 2012-1 only. The DERri TA Application Template is available at www.der-ri.net. The application must be filled in English. The application template includes the following sections:

1 Application identification The identification section includes: • The application ID number (defined by DERri). • Short title (max 100 characters). • Indication of scientific area (max 100 characters). • Short description of the proposal (max 100 words). • Date of submission of the application. • Expected period of RI access. • Proposed RI (see list).

2 Lead User The section includes: • Name, sex, age and nationality; • Organisation - name and type (university, research, private enterprise, other (specify)); • Position in organisation; • Short description - including scientific background, relevant publications, experience in experimental work and role in the proposed project (max 250 words); • Contact information - address, phone number, email address.

3 Additional users The section (form) for each addition users includes: • Name, sex, age and nationality; • Organisation - name and type (university, research, private enterprise, other (specify)); • Position in organisation; • Short description - including scientific background,

relevant publications, experience in experimental work and role in the proposed project (max 250 words); • Contact information - address, phone number, email address.

4 Summary (max ½ page) Summary, describing the scope and the expected outcome of the proposed work.

5 State-of-the-art (max 1 page) Describe the current knowledge on the subject, citing recent relevant references. Identify any knowledge gaps and their relevance.

6 Description (max 2 pages) Detailed description of the objectives of the proposed activity, the way these objectives will be fulfilled through the proposed work, as well as indications on the expected outcome and the fundamental scientific and technical value and interest of the proposal. Specify the type of TA infrastructure (distributed generation simulator; domestic house; etc.) and the test setup. With the understanding that these aspects will be discussed with the TA infrastructure after approval of the proposal and specified in the Contract for Access to be signed between the TA infrastructure and the User team, indicate the number of tests to be carried out and their sequence, the response quantities to be measured through the instrumentation, etc. Describe any special requirements for equipment, standards, safety measures, etc. Point out any shortcomings, uncertainties and risks for the fulfilment of the project objectives, as well as the means to mitigate relevant risks.

7 Innovation (max 1 page) Demonstrate the originality and innovation of the proposed work and the impact the expected results will have on current and future research or practice, public safety, European standardization, competitiveness, integration and cohesion and on sustainable growth.

8 Proposed host (max 1 page) Specify the type of and the requirements to the TA infrastructure and if possible which one of the 13 TA Infrastructures in DERri (see list) may best serve the scope of the proposed research. Justifications should be provided on the grounds of the test set-up, testing method, equipment, past experience in relevant subject, etc. State whether the TA User team intends to deliver to the premises of the TA Infrastructure parts or components to be tested at the TA User's expense and responsibility, or to cover the whole or part of the construction/adaptation cost of the specimens to be used

9 Synergy (max ½ page) Provide information on any concurrent research project with the same or similar subject with the one proposed. Describe the synergy (if any) that will be sought between the existing and the proposed project.


10 Dissemination (max ½ page) Describe the means through which the results to be obtained from the proposed project will be diffused and made public and broadly known.

11 Time schedule (max ½ page) Provide an indicative time-schedule for the proposed work and a target starting date.

12 Proposed team (max 1 page) Give a short description of the proposing team including relevant publications, experience in test campaigns and role in the proposed project.

Deadline for Submission

Deadline for submission of application for DERri TA access Call 2012-1 is: **31 January 2012**. The applicant will receive from DERri an acknowledgment of the reception of the application, also indicating the expected date of the result of the evaluation.



The Research Infrastructures of DERri			
R.I	Partner	Location	Country
TA1	RSE	Milan	IT
TA2	AIT	Wien	AT
TA3	CEA	Le Bourget du Lac	FR
TA4	CRES	Pikermi	EL
TA5	EDF-SA	Clamart	FR
TA6	IWES	Kassel	DE
TA7	KEMA	Arnhem	NL
TA8	TECNALIA	Derio	ES
TA9	ICCS-NTUA	Athens	EL
TA10	RISOE-DTU	Roskilde	DK
TA11	TUS-RDS	Sofia	BG
TA12	VTT	Espoo	FI
TA13	USTRAT	Strathclyde	UK

DERri Research Infrastructures

Details on the features of the available facilities, as well as on the Transnational Access offered under DERri are in the Website www.der-ri.net

Contact

Dr. Paolo Mora – DERri Coordinator
 Ricerca sul Sistema Energetico – RSE SpA
 Via Rubattino, 54
 20134 MILANO
 Italy
paolo.mora@rse-web.it