



TEMPLATE FOR PROPOSAL UNDER DERRI

User-Project Proposal:

User-Project Acronym	EFFICO project
User-Project Title	Design and methodology for an efficient converter set up to avoid hot spots on BIPV.
Main-scientific field	Distributed Energy, energy efficiency.
Specific-Discipline	Distributed generation - PV integration on buildings.

Lead User of the Proposing Team:

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Activity type and legal status* of Organization	Research and develop of technological projects. Serving as a reference for technical representation of Spain in international forums, and advising government on matters within its scope. (2) Public research organization.
Position in Organization	Head of Energy Efficiency of Building R&D Unit.

* Higher Education Institution (1) – Public research organization (2) – Private not-for-profit research organization (3) – Small or Medium size private enterprise (4) – Large private enterprise (5) – other (specify)

Additional Users in the Proposing Team:

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Activity type and legal status* of Organization	Research and develop of technological projects. Serving as a reference for technical representation of Spain in international forums, and advising government on matters within its scope. (2) Public research organization.
Position in Organization	Head of building energy analysis group Research Unit of Energy Efficiency in Building.

* Higher Education Institution (1) – Public research organization (2) – Private not-for-profit research organization (3) – Small or Medium size private enterprise (4) – Large private enterprise (5) – other (specify).



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Activity type and legal status* of Organization	Research and develop of technological projects. Serving as a reference for technical representation of Spain in international forums, and advising government on matters within its scope. (2) Public research organization.
Position in Organization	Researcher, Building energy analysis group. Research Unit of Energy Efficiency in Building.

(Repeat for all Users)

Date of submission	1 st January, 2012.
Re-submission	YES _____ NO <input checked="" type="checkbox"/> X _____
Proposed Host TA Facility	AIT Laboratory for distributed generation (PV inverter test environment up to 30kW).
Starting date (proposed)	1 st May, 2012.

Summary of proposed research (about ½ page)

Prepare a ½ page summary describing the relevance and the scope of the proposed work, and the expected outcome(s)

State-of-the-Art (about 1 ½ page)

Describe in brief (in about 1½ pages) the current knowledge on the subject, citing recent relevant references. Identify any knowledge gaps and their relevance.

References

List relevant References

Detailed Description of proposed project : Objectives – Expected Outcome – Fundamental Scientific and Technical value and interest (2-3 pages)

Provide a 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; domotic 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 Agreement 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



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for the fulfillment of the project objectives, as well as the means to mitigate relevant risks.

Originality and Innovation of proposed research – Broader Impact (1-2 pages)

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.

Proposed Host TA Infrastructure/Installation – Justification (about one page)

Specify the type of TA infrastructure (e.g. distributed generation simulator; domotic house; etc.) and if possible which one of the 13 TA Infrastructures in DERri may better 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 tested.

Synergy with ongoing research (about 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.

Dissemination – Exploitation of results (about ½ page)

Describe the means through which the results to be obtained from the proposed project will be diffused and made broadly known.

Time schedule (about ½ page)

Provide an indicative time-schedule for the proposed work and a target starting date.

Description of the proposing team (as long as needed)

Give a short description of each member (organization and persons) of the proposing team including publications, experience in test campaigns and role in the proposed project.