

Energy Fund of ETH Zürich Foundation

Call for Seed Project Proposals

March 2015

The Energy Fund of ETH Zürich Foundation has been created to promote innovative high-risk research projects under the leadership of ETH Zürich professors (including joint appointments at PSI and EMPA). Major supporters of the fund are Alstom AG, the Foundation Heidi Ras, Repower AG, Shell and Professor Alexander Wokaun.

The Energy Fund, in close cooperation with the ETH Energy Science Center (ESC), opens a call for Seed Projects in a range of energy topics as described below. For more details on Seed Projects, please refer to the 'Guidelines for ETH Zurich – Seed Project Applications', which are the basis for this Call for Proposals and form an integral part of it. They can be found on:

<http://www.ethz.ch/en/research/research-promotion/eth-internal-programmes/seed-projects.html>

Provided that the project proposals meet the expectations and the quality standards of ETH Zürich, up to eight projects (up to 100 kCHF per project) may be funded within this call.

Important: Researchers, who were awarded a seed project grant within the first "call for proposals" (dated 19 November 2013), are not eligible to participate in this call.

1. Application Procedure and Timeline

Researchers are invited to submit a five-page project draft to the ESC (seed@esc.ethz.ch) by email no later than **4 May 2015**. Please use the templates under the following link:

<http://www.ethz.ch/en/research/research-promotion/eth-internal-programmes/seed-projects/document-download.html>

A preliminary prioritization of projects may be done by a committee that includes representatives of the Energy Science Center (ESC), and of the donors.

The top rated project ideas will subsequently be presented and discussed at the next Partnership Council "Energy". The Partnership Council is planned for September 2015.

Upon recommendation of the Partnership Council, PIs of the top-ranked project ideas may submit their completed proposals (additional budget form needed – s. link above) to the Office of Research within a month of the workshop. The final funding decision will be made by the Vice President Research and Corporate Relations and the President of the Research Commission of ETH Zürich.

2. Topics for Seed Project Proposals

The following thematic priority areas have been selected for this call for proposals. However, the listed topics are not exhaustive and other topics within the range of "Energy" may be submitted. Creativity and novelty, besides scientific quality, are important criteria for the selection.

- **Energy storage (Electricity, Heat, Chemicals)**
- **Energy systems, business models, energy policy, environmental solutions**
- **Building technologies (efficiency, control, metering)**
- **"Internet of things" (applications in power generation, transmission or distribution)**