

# ENI AWARD 2020

## *Energy Transition Prize*

### OFFICIAL ANNOUNCEMENT

Eni is one of the most important, vertically integrated energy companies in the world. It operates in the oil, natural gas, electricity production, engineering, construction and petrochemical products sectors. It is constantly working to build a future where everyone can access energy resources efficiently and sustainably. Eni is also involved in several scientific research projects on renewable energies, particularly in the major areas of biofuels and solar energy. Operating in about eighty-five countries in a responsible way towards its stakeholders, Eni invests in people and their empowerment, and it takes part to development through the integration of social, environmental and cultural issues in the growth process, in full respect of rights and diversities. From 2008 Eni has been offering the Eni Award, aimed to promote and award research and technological innovation in the fields of energy and the environment.

#### 1) Aims

The **Energy Transition Prize** is one of the six sections of the Eni Award, composed by the *Energy Frontiers*, *Advanced Environmental Solutions*, *Young Researcher of the Year* and the *Debut in Research: Young Talents from Africa Prizes*, together with the *Recognition at Innovation Eni*. The *Energy Transition Prize* aims to promote technological innovation and scientific knowledge in order to reduce carbon footprint during the transition period from the current energy production system to a neutral - with respect to environmental impact - one. In this time span, in which fossil fuels will still provide an important response to energy demand, it will be necessary to expand the use of natural gas (the fossil source with lower carbon content) instead of coal, to improve energy efficiency in transport and in industrial processes and to promote the use of sustainable and economically viable technologies for the capture, utilization and sequestration of carbon dioxide.

#### 2) Object of the Prize and evaluation criteria

The Prize is awarded to the researcher or group of scientists that achieved internationally significant research and development results in the field of production, transport and use of natural gas; of capture, utilization and sequestration of carbon dioxide as well as of energy efficiency, such as:

- Carbon Capture, Utilization and Storage (CCUS) technologies;
- New ways of converting natural gas to liquids (fuels and chemicals) and hydrogen;
- New technologies for the transport of natural gas;
- New technologies to improve energy efficiency in the production and use of natural gas industry, such as: gas leaching monitoring and prevention, gas flaring reduction, conversion of natural gas to electricity (fuel cells), use of natural gas for energy storage.
- New technologies for the separation and conversion of H<sub>2</sub>S associated with natural gas and for sulfur utilization;
- Bio-fuels and related production processes;
- Fuels and chemicals from solar energy;

- Energy efficiency, waste to energy, hybrid fossil fuels-renewables systems for energy generation and energy vectors, as well as "smart-systems" for energy production and distribution aimed at energy saving.

The following elements will be considered in the assessment of the project:

- The scientific relevance and the research innovation level;
- The impact on the energy system, in terms of sustainability as well as fairer and broader access to energy;
- The adequacy between technological and economical aspects.

The results must have been achieved within the five-year period prior to the date of this Official Announcement.

### **3) The Prize**

The Prize consists in a specially struck gold medal of the Italian State Mint and in the indivisible sum of € 200,000 (Two hundred thousand Euros), which will be awarded to the winning candidate proclaimed by the Organizing Committee within June 2020.

### **4) Procedures and deadline for the Candidature Proposal**

Candidatures to the *Energy Transition* Prize shall compulsorily enclose the scientific publications containing the research proofs and results (see Point 7 of the Candidature Proposal).

Self-candidatures are admitted.

Furthermore, it is required and mandatory for each candidate the submission of at least three reference letters in order to complete the application. A maximum amount of five reference letters will be allowed to each Candidate; of these five letters, no more than two may be sent from the same country.

They have to be compulsorily written in English and to refer explicitly to the 2020 Eni Award edition; these documents should be signed by authoritative Members of the academic, scientific or business community. Please note that will be considered only those letters that will certify the scientific value, the innovation level and the potential applicability of the submitted research.

Such documents can be sent by email, fax or ordinary mail to the Eni Award Scientific Secretariat within the deadline stated by this Official Announcement.

The same Candidature may be submitted for a maximum of three times. In case of resubmissions, even if the Candidature is presented in nonconsecutive editions, together with the reasons of the resubmission the Candidate will compulsorily provide detailed and convincing information enabling to identify the scientific, technical and practical progress.

These results must be properly demonstrated (providing new publications, reference letters, certificates by a third party, etc.). The compliance with these requirements and the eligibility of the proposal will be evaluated in advance by the Eni Award Initial Selection Committee and the Scientific Commission.

The deadline for the presentation of the Candidatures to the *Energy Transition* Prize falls on November 22, 2019 before and no later than 5 p.m. CET - Central European Time. Please note that, after 5 p.m. CET of November 8, 2019 the Scientific Secretariat won't create new accounts, in order to provide the most suitable assistance to the already registered Candidatures, within the deadline.

Two weeks after the November 22 deadline, the Scientific Secretariat will provide the Candidates with formal confirmation, by email, for the acceptance of their Candidature.

The candidature application forms are available on the website: [https://www.eni.com/enipedia/en\\_IT/business-model/awards-recognition/eni-award-announcement-2020.page](https://www.eni.com/enipedia/en_IT/business-model/awards-recognition/eni-award-announcement-2020.page), and must be sent as follows:

1. The **Candidature Proposal**, the **CV** and the **List of Publications** will have to be uploaded on the Eni Award Candidates private area. The access to the private area must be requested to the Eni Award Scientific Secretariat (eniaward@feem.it) that will provide an account for the procedure.
2. **A copy of the most relevant publications** regarding the results of the research (as requested at Point 7 of the Candidature Proposal), as well as **reference letters** must be sent to the following address: repository-eniaward@feem.it.
3. Following the safe receipt of all the application's documents, a file named **Summary of the Candidature Proposal**, containing the main data of the candidature and the Completion Code, will be provided to each candidate.

The aforesaid file must be duly checked and signed by the candidate and sent by fax (+39 02 43986856) or email (eniaward@feem.it) to the Eni Award Scientific Secretariat before and no later than the deadline defined by this Official Announcement.

#### **5) Selection of the Candidatures**

The Eni Award Scientific Commission shall examine and select the work of the candidates that have been accepted and shall present the name of the chosen winner of the *Energy Transition* Prize to the Eni Award Organizing Committee by May 2020.

The Scientific Commission is constituted by a maximum number of 27 Members chosen by the Organizing Committee among representatives of the international scientific community.

#### **6) Regulations**

The Eni Award and this Official Announcement are submitted to the Eni Award Regulations, approved by the Organizing Committee. The text is available on the website: [https://www.eni.com/enipedia/en\\_IT/business-model/awards-recognition/eni-award-announcement-2020.page](https://www.eni.com/enipedia/en_IT/business-model/awards-recognition/eni-award-announcement-2020.page).

#### **7) Contact details**

The Eni Award Scientific Secretariat is located at:

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