



# Eni Award 2024

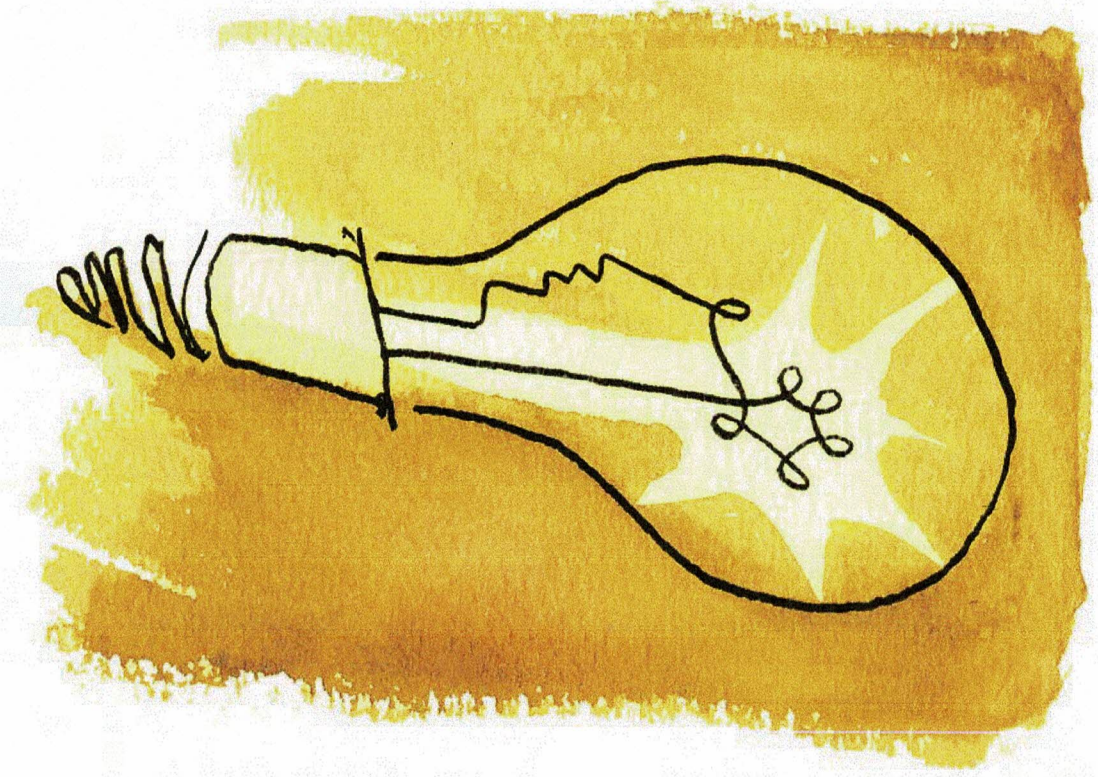
Débuts dans la recherche : Jeunes talents d'Afrique

Juillet 2024

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## Les points saillants de Eni Award



- L'histoire du prix Eni s'étend sur cinq continents et sur la carrière de dizaines de **chercheurs et de scientifiques**. Depuis sa création en **2007** en tant que prix d'entreprise, il est devenu une récompense internationalement reconnue pour la **recherche appliquée et l'innovation technologique dans le domaine de l'énergie**. Chaque année, les travaux récompensés donnent lieu à des découvertes qui ont un impact important, rapprochant **des avancées radicales** - en matière **d'efficacité énergétique, d'énergies renouvelables, de décarbonisation** et de **protection de l'environnement**.
- De plus, en 2017, le prix Eni a été ouvert aux **talents scientifiques d'Afrique**, un continent au **potentiel humain énorme**. Afin de fournir un aperçu encore plus complet des connaissances actuelles, ces dernières années, des sujets liés à **la durabilité environnementale et à l'accès à l'énergie** ont été inclus. Ceux-ci sont à leur tour liés à la réalisation des **17 objectifs de développement durable (ODD)** des Nations Unies.
- Comme toujours, le prix comporte une section consacrée aux **thèses de doctorat les plus inspirantes** et à la reconnaissance des **innovations technologiques** les plus significatives développées par **les chercheurs et les experts techniques d'Eni**.
- Le **Comité Scientifique** du prix, qui évalue les candidatures et attribue les prix correspondants, est composé de scientifiques appartenant aux plus grands instituts de recherche du monde..
- Depuis 2008, la **cérémonie de remise des prix** a lieu chaque année en Italie en présence du **Président de la République Italienne**.

# Eni Award categories



Le prix Eni comprend six sections :

- **3 prix principaux** décernés à des professeurs et des chercheurs de renommée internationale:
  - **Prix des frontières de l'énergie.**
  - **Prix des solutions environnementales avancées.**
  - **Prix de la transition énergétique.**
- **Prix du jeune chercheur de l'année** : deux prix décernés à des diplômés ayant soutenu une thèse de doctorat dans des universités italiennes.
- **Prix "Debut in Research - Young Talents from Africa"** : quatre prix décernés à des diplômés de pays africains..
- **Prix de l'innovation Eni** : trois prix pour les employés d'Eni..



2022

# Débuts dans la recherche : Jeunes talents d'Afrique

## Points forts et principales conditions

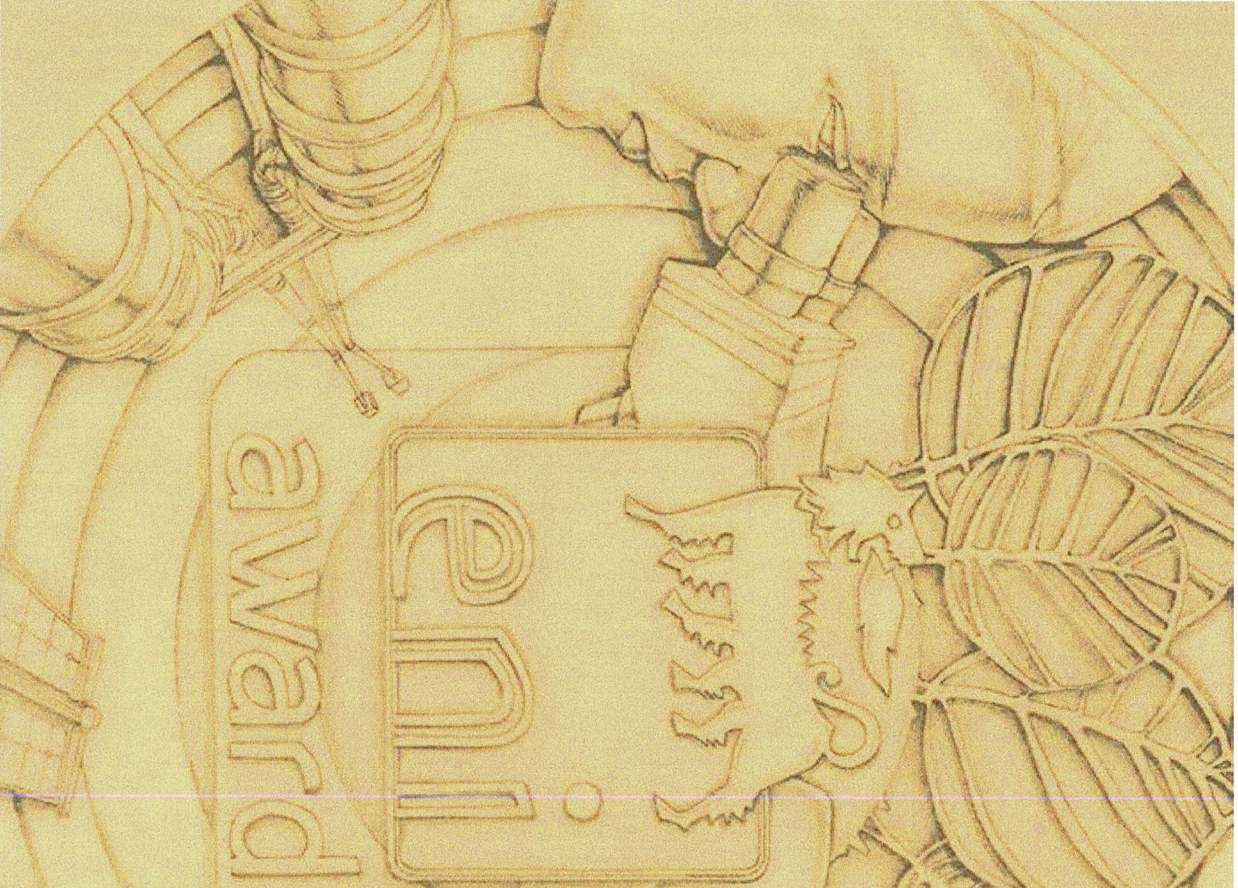
- 4 prix seront attribués à des étudiants diplômés d'une **université africaine** et de **nationalité africaine**..
- **Les thèses doivent avoir été soutenues dans une université africaine** au cours de l'année de publication de l'avis officiel annuel, ou au cours de l'année précédente ; pour EA2024, cela signifie que les thèses ont été soutenues **en 2022 ou 2023**.
- Les candidats doivent être **âgés de moins de trente (30) ans** ou fêter leur trentième anniversaire l'année de la publication de l'avis officiel susmentionné ; pour EA2024, les étudiants **nés en 1993 ou après**.
- **Sujets de la thèse** : développement d'une nature durable et résiliente dans le cadre d'un scénario climatique en évolution constante, grâce à l'amélioration des solutions fondées sur la nature et à la préservation et la restauration du capital naturel, afin d'accélérer la transition vers l'économie circulaire, la bioéconomie et les modèles commerciaux écologiquement durables, conformément à la perspective "One Health - Planetary Health" ; énergies renouvelables et stockage de l'énergie ; nouvelles technologies de production d'H<sub>2</sub> (H<sub>2</sub> bleu, vert et turquoise) ; capture, utilisation et séquestration du dioxyde de carbone ainsi que l'efficacité énergétique en tant que passerelle vers la décarbonisation du système énergétique.
- Les candidats doivent également proposer un **sujet de recherche** pour un futur doctorat.
- Les **candidatures** doivent être accompagnées d'un **garant** (professeurs, directeurs de département, doyens de faculté et chanceliers d'universités et d'universités polytechniques, ou chercheurs d'instituts de recherche)



2017



2017



## Débuts dans la recherche : Jeunes talents d'Afrique



### Prix

- Chacun des quatre gagnants recevra:
  - une **plaque personnalisée**
  - une participation à la **cérémonie de remise des prix** en Italie (Eni offrira l'hospitalité aux lauréats participant à la cérémonie, ainsi qu'à un accompagnateur au maximum)
  - une **bourse pour la participation à un cours de doctorat de 3 ans** qui sera dispensé en Italie, dans une université italienne jouissant d'une solide réputation dans les domaines susmentionnés
  - **la somme indivisible de 5000 €** (cinq mille euros), qui sera versée une fois que la bourse de doctorat aura été formellement acceptée et que les procédures d'inscription auront été achevées.



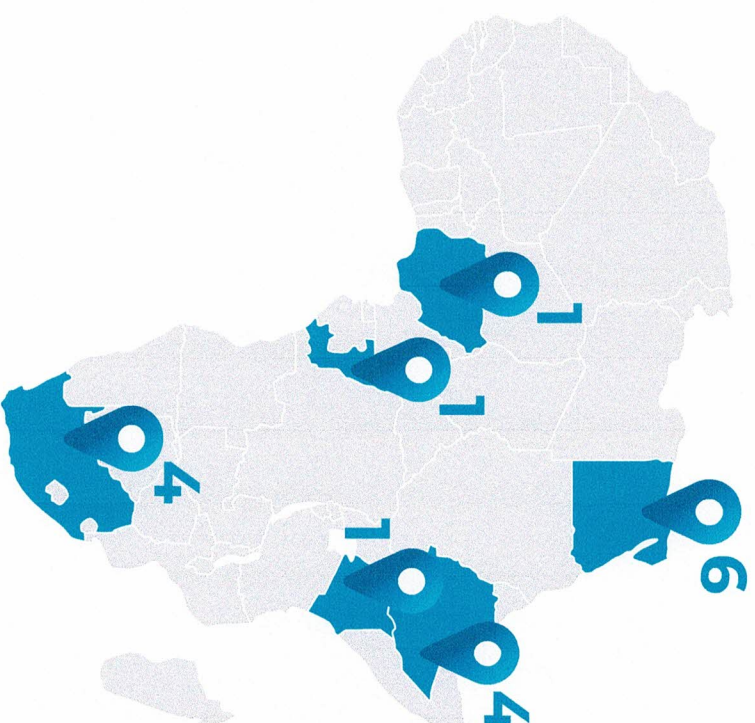
# Débuts dans la recherche : Jeunes talents d'Afrique

Historique et géographie

Nationalité des précédents lauréats



Pays d'affiliation universitaire des précédents lauréats



# Application procedure



- 01 Le Candidat contacte le secrétariat scientifique en écrivant un courriel à l'adresse suivante [eniaward@feem.it](mailto:eniaward@feem.it)
- 02 Le Secrétariat Scientifique crée un compte pour le Candidat afin qu'il puisse accéder à l'espace privé des Candidats au Prix Eni et lui fournit des formulaires éditables à remplir.
- 03 Le Candidat remplit les formulaires et rassemble les documents demandés (par exemple, la copie électronique de la thèse).
- 04 Le Candidat télécharge toute la documentation sur l'espace privé des Candidats à l'Eni Award (ou l'envoie au secrétariat scientifique de l'Eni Award par courrier électronique).
- 05 Un Résumé de la Proposition de Candidature sera fourni à chaque Candidat.
- 06 Le Candidat et le Garant signent tous deux le Résumé.
- 07 Le Candidat envoie le Résumé par courrier électronique au Secrétariat Scientifique ([eniaward@feem.it](mailto:eniaward@feem.it))




# Documentation à fournir

- Formulaire de candidature
- CV
- Copie de la thèse sous forme électronique\*
- Présentation de deux diapositives maximum (facultatif)
- Vidéo réalisée par le candidat, d'une durée maximale de 3 minutes (facultatif).

ENI AWARD 2024 - Presentation of Proposal Research (maximum 2 slides)

Please contact [enlaward@feem.it](mailto:enlaward@feem.it) to receive editable form




award

**ENI AWARD 2024**

APPLICATION FORM

*Debut in Research: Young Talents from Africa*

Please contact [enlaward@feem.it](mailto:enlaward@feem.it) to receive editable form

**CHAPTER 1 – CANDIDATE PERSONAL DATA**

SURNAME	..
FORENAME	..
GENDER	..
DATE OF BIRTH (dd/mm/yyyy)	..
PLACE OF BIRTH	..
NATIONALITY	..
TELEPHONE	..
E MAIL	..
PRESENT AFFILIATION (if any)	..
PRESENT POSITION (if any)	..
ADDRESS OF THE PRESENT AFFILIATION	..
TELEPHONE:	..
E MAIL	..

# Calendrier du prix Eni Award 2024



\* Afin de compléter la procédure de candidature avant le 24 novembre, il est recommandé de contacter le Secrétariat scientifique ([eniaward@feem.it](mailto:eniaward@feem.it)) à la fin du mois d'octobre 2023.

\*\* La date de début du cours de doctorat peut changer en fonction de l'université qui accueillera le lauréat.



<https://www.eni.com/en-IT/innovation-technologies/eni-award.html>

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# Focus sur les thèmes de recherche

## Les frontières de l'énergie

- Sources d'énergie renouvelables
- Gestion de l'énergie
- Stockage de l'énergie
- Combustibles et produits chimiques issus de l'énergie solaire
- Fusion nucléaire
- Autres (à préciser: \_\_\_\_\_)

## Transition énergétique

- Gestion du CO<sub>2</sub>
- Nouvelles technologies de production d'H<sub>2</sub> (H<sub>2</sub> bleu, vert et turquoise)
- Transport de l'H<sub>2</sub>, y compris le LOHC, l'ammoniac, etc.
- Nouvelles technologies pour réduire l'empreinte carbone et améliorer l'efficacité énergétique dans la production et le transport du gaz naturel (par exemple, surveillance et prévention des émissions fugitives, adoucissement, réduction du brûlage à la torche, etc.
- Nouvelles technologies pour la gestion du H<sub>2</sub>S associé au gaz naturel et pour l'utilisation du soufre
- Piles à combustible
- Biocarburants et procédés de production connexes
- Autres (à préciser: \_\_\_\_\_)

## Solutions environnementales avancées

- Protection de la biodiversité et de l'habitat
- Restauration de l'environnement
- Restauration des écosystèmes
- Qualité de l'eau, de l'air et du sol
- Solutions fondées sur la nature et l'économie circulaire
- Utilisation durable des ressources naturelles terrestres et océaniques
- Une planète, une santé
- Autre (à préciser: \_\_\_\_\_)

# ENI AWARD 2024

## REGULATIONS

### Article 1

#### *General aspects*

Since 2008 Eni has been offering the Eni Award, aimed at promoting and award research and technological innovation in the fields of energy and the environment.

### Article 2

#### *The Awards*

With the aim to encourage a better use of conventional energy sources, to promote the gradual decarbonization of the energy system through the use of renewable sources, as well as to encourage research on environmental protection and to help new generations of researchers to emerge, each year Eni will give:

- a) *One Energy Frontiers Prize;*
- b) *One Advanced Environmental Solutions Prize;*
- c) *One Energy Transition Prize;*
- d) *Two Young Researcher of the Year Prizes;*
- e) *Four Debut in Research: Young Talents from Africa Prizes;*
- f) *Three Recognition at Innovation Eni Prizes.*

For more specific information about each Award and how to apply, see the *Annexes* to these Regulations.

### Article 3

#### *The Prize bodies*

The following Committees are involved in granting the awards:

- the Organizing Committee, which is in charge of the Awards' supervision;
- the Initial Selection Committee, which has the task of collecting and presenting the applicants' submissions to the Scientific Commission;
- the Scientific Commission, assessing the applicants' submissions and selecting the winners of the *Energy Frontiers, Advanced Environmental Solutions, Energy Transition, Young Researcher of the Year* and *Debut in Research: Young Talents from Africa Prizes*;
- the Eni Innovation Committee, which judges the Candidates and identifies the winners of the *Recognition at Innovation Eni*.

#### **Article 4**

##### *The Organizing Committee*

The awards are managed by the Organizing Committee, whose headquarters are located at the Eni offices in Rome.

Its Members are appointed by the Chief Executive Officer of Eni, who is the President of the Committee and appoints a Vice President for the ordinary operations of the Committee.

The Committee appoints a Secretary for the Eni Award who takes part in the meetings of the Committee and takes the minutes.

The Organizing Committee is responsible for the following activities:

- defining the guidelines for the Scientific Commission and the Eni Innovation Committee;
- approving the Regulations and any changes to them;
- choosing the Members of the Scientific Commission as well as of the Eni Innovation Committee;
- providing an Official Announcement of the Awards;
- announcing the Winners of the various Prizes, as chosen by the respective Committees.

#### **Article 5**

##### *The Initial Selection Committee*

The Initial Selection Committee is composed by Members, who are appointed by the Vice President of the Organizing Committee as per Article 4 of these Regulations, selected on the basis of their proven competence in the subjects covered by the Eni Award.

The work of the Initial Selection Committee is coordinated by a Member of the Scientific Commission of the Eni Award, proposed by the Vice President of the Organizing Committee as per Article 4, who also guarantees the necessary liaison with the activities of the Scientific Commission.

The Initial Selection Committee collects the applicants' submissions received by the Scientific Secretariat for the *Energy Frontiers*, *Advanced Environmental Solutions*, *Energy Transition*, *Young Researcher of the Year*, and *Debut in Research: Young Talents from Africa* Prizes and checks that they correspond to the Eni Award's Regulations and Official Announcement requirements.

#### **Article 6**

##### *The Scientific Commission*

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

The Scientific Commission is coordinated by a Non-voting Chairman, appointed by the Scientific Commission itself at the beginning of the Final Selection Meeting.

The Chairman of the Scientific Commission manages the assessment process for the *Energy Frontiers*, *Advanced Environmental Solutions*, *Energy Transition*, *Young Researcher of the Year*, and *Debut in Research*:

*Young Talents from Africa* Prizes. The Chairman is not allowed to vote for the selection of the Eni Award winners.

The Scientific Commission shall examine each application for the five Prizes according to the Regulations and Official Announcement requirements and it shall write a report for the Organizing Committee on each Prize, stating that all the proposals submitted have been duly examined and putting forward the names of the Candidates for the Prizes and the reasons for their choice.

#### **Article 7**

##### *Eni Innovation Committee*

The Eni Innovation Committee is composed by a maximum of five Members, chosen by the Organizing Committee among the Members of the Scientific Commission.

The Eni Innovation Committee shall examine the Candidates for the *Recognition at Innovation Eni* according to the Regulations and the Announcements and shall write a report for the Organizing Committee, stating that all the proposals submitted have been duly examined and putting forward the names of the Candidates for the Award and the reasons for their choice.

#### **Article 8**

##### *Validity of the Committee resolutions*

The majority of the Members of the Organizing Committee, Scientific Commission and Eni Innovation Committee have to be present for their meetings to be considered valid.

Should any Member of any of these Committees be unable to attend the meetings either in person or via teleconference, they may delegate other Members of the Committee in order to represent them. It is not possible for any Member of a Committee to represent more than one absent Member.

The deliberations of the Scientific Commission for the selection of the Eni Award winners are made using voting rules established by the Commission itself and based on the *Robert's Rules of Order*.

#### **Article 9**

##### *Terms of Application*

Applications for the *Energy Frontiers*, *Advanced Environmental Solutions*, *Energy Transition*, *Young Researcher of the Year*, and *Debut in Research: Young Talents from Africa* Prizes must be submitted according to the Official Announcement requirements which are published in English and Italian on the website: <https://www.eni.com/en-IT/innovation-technologies/eni-award.html>, by the end of July of each year.

Applications for the *Recognition at Innovation Eni* should be forwarded to the Eni Innovation Committee according to the requirements and deadlines defined in the special Official Announcement which shall be published on the above-mentioned website by July of each year.

## **Article 10**

### *Prize-Giving Ceremony*

An Official Prize-Giving Ceremony will be held in Italy during the second semester of the year following the publication of the Official Announcement. The *Recognition at Innovation Eni* will also be presented on that occasion and is reserved to women and men who work at Eni.

The prizes awarded by each official competition announcements are non-replaceable and non-redeemable in cash on winners' request.

## **Article 11**

### *Un-awarded Prizes*

In the absence of Candidatures deserving the Prizes, the un-awarded sum may be assigned for a research project led by a scientific organization or research center, that focuses on a scientific topic chosen by the Organizing Committee.

## **Article 12**

### *Regulations' changes or amendments*

The Organizing Committee may make any changes or additions to the Eni Award Regulations.

## **Article 13**

### *Publication of Results*

The Organizing Committee may, independently or in cooperation with other groups or individuals, undertake initiatives to promote the publication, divulgation, and communication of the awarded researches, and to support scientific activities in schools, universities and in the business world.

## **Article 14**

### *Scientific Secretariat Headquarters*

The headquarters of the Eni Award Scientific Secretariat are located at the Fondazione Eni Enrico Mattei in Milan.

Rome, 28 July 2023

The Eni Chief Executive Officer  
Claudio Descalzi



## **Annex 1**

### *Energy Frontiers Prize*

Each year a prize consisting in: i) a specially struck gold medal of the Italian State Mint, ii) an indivisible sum<sup>1</sup> of €200,000 (Two hundred thousand Euros) and iii) direct provision and delivery of a) travel tickets roundtrip, b) transfers and c) board and lodging expenses, for which Eni will be in charge of the direct organization and the coverage of costs incurred by Eni, in order for the winners to participate to the Prize-Giving Ceremony with a maximum of one accompanying person for up to 2 overnight stays, will be awarded to a researcher or group of researchers who have achieved internationally significant results in the field of renewable energy and relevant energy management and storage technologies aimed at the decarbonization of the energy systems.

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

- the scientific relevance and the innovation of the proposal;
- the contribution to identify solutions for achieving the sustainable development goals;
- the socio-economic and environmental potential of the proposal, even in a long-term perspective;
- the use of breakthrough, experimental and innovative technologies, processes and tools, enabling a holistic perspective of the research proposal.

The results must have been achieved within a period of up to ten years prior to the date of the annual Official Announcement, published by July of each year, where the Regulations governing participation are to be found.

#### ***Application procedure***

Candidatures to the *Energy Frontiers Prize* shall compulsorily enclose the scientific publications containing the research proofs and results.

Self-candidatures are admitted. Double candidatures are also admitted, meaning that a maximum of two main authors may compete together.

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 2024 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 have to be sent by email, directly to the Eni Award Scientific Secretariat, within the deadline established by the above-mentioned Announcement. In case of resubmission, endorsements obtained for previous editions may be resubmitted, provided that the letters of reference have been issued within the past three years.

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<sup>1</sup> In case of ex-aequo and/or of double candidatures, the Prize will be equally divided between the winners.

## Annex 2

### *Advanced Environmental Solutions Prize*

Each year a prize consisting in: i) a specially struck gold medal of the Italian State Mint, ii) an indivisible-sum<sup>2</sup> of €200,000 (Two hundred thousand Euros) and iii) direct provision and delivery of a) travel tickets roundtrip, b) transfers and c) board and lodging expenses, for which Eni will be in charge of the direct organization and the coverage of costs incurred by Eni, in order for the winners to participate to the Prize-Giving Ceremony with a maximum of one accompanying person for up to 2 overnight stays, will be awarded to a researcher or group of researchers who have achieved internationally significant results in the development of a sustainable and resilient nature within a continuously changing climate scenario, through the enhancement of nature-based solutions, and the preservation and restoration of natural capital, in order to accelerate the transition towards circular economy, bio-economy and environmentally sustainable business models, accordingly with the “One Health – Planetary Health” perspective.

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

- the scientific relevance and the innovation of the proposal;
- the contribution to identify solutions for achieving the sustainable development goals;
- the socio-economic and environmental potential of the proposal, even in a long-term perspective;
- the use of breakthrough, experimental and innovative technologies, processes and tools, enabling a holistic perspective of the research proposal.

The results must have been achieved within a period of up to ten years prior to the date of the annual Official Announcement, published by July of each year, where the Regulations governing participation are to be found.

#### ***Application procedure***

Candidatures to the *Advanced Environmental Solutions Prize* shall compulsorily enclose the scientific publications containing the research proofs and results.

Self-candidatures are admitted. Double candidatures are also admitted, meaning that a maximum of two main authors may compete together.

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 2024 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 have to be sent by email, directly to the Eni Award Scientific Secretariat, within the deadline established by the above-mentioned Announcement. In case of resubmission, endorsements obtained for previous editions may be resubmitted, provided that the letters of reference have been issued within the past three years.

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<sup>2</sup> In case of ex-aequo and/or of double candidatures, the Prize will be equally divided between the winners.

## **Annex 3**

### *Energy Transition Prize*

Each year a prize consisting in: i) a specially struck gold medal of the Italian State Mint, ii) an indivisible sum<sup>3</sup> of €200,000 (Two hundred thousand Euros) and iii) direct provision and delivery of a) travel tickets roundtrip, b) transfers and c) board and lodging expenses, for which Eni will be in charge of the direct organization and the coverage of costs incurred by Eni, in order for the winners to participate to the Prize-Giving Ceremony with a maximum of one accompanying person for up to 2 overnight stays, will be awarded to a researcher or group of researchers or the group of scientists who achieved internationally significant results in the research and development of technologies in the field of capture, utilization and sequestration of carbon dioxide as well as energy efficiency as a bridge to the decarbonization of the energy system.

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

- the scientific relevance and the innovation of the proposal;
- the contribution to identify solutions for achieving the sustainable development goals;
- the socio-economic and environmental potential of the proposal, even in a long-term perspective;
- the use of breakthrough, experimental and innovative technologies, processes and tools, enabling a holistic perspective of the research proposal.

The results must have been achieved within a period of up to ten years prior to the date of the annual Official Announcement, published by July of each year, where the Regulations governing participation are to be found.

#### ***Application procedure***

Candidatures to the *Energy Transition Prize* shall compulsorily enclose the scientific publications containing the research proofs and results.

Self-candidatures are admitted. Double candidatures are also admitted, meaning that a maximum of two main authors may compete together.

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 2024 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 have to be sent by email, directly to the Eni Award Scientific Secretariat, within the deadline established by the above-mentioned Announcement. In case of resubmission, endorsements obtained for previous editions may be resubmitted, provided that the letters of reference have been issued within the past three years.

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<sup>3</sup> In case of ex-aequo and/or of double candidatures, the Prize will be equally divided between the winners.

## **Annex 4**

### *Young Researcher of the Year Prizes*

Two prizes, each consisting in: i) a specially struck gold medal of the Italian State Mint, ii) an indivisible sum of €25,000 (Twenty- five thousand Euros) and iii) direct provision and delivery of a) travel tickets roundtrip, b) transfers and c) board and lodging expenses, for which Eni will be in charge of the direct organization and the coverage of costs incurred by Eni, in order for the winners to participate to the Prize-Giving Ceremony with a maximum of one accompanying person for up to 2 overnight stays, will be awarded to graduates from Italian Universities who have written a doctorate thesis on one of the following topics: development of a sustainable and resilient nature within a continuously changing climate scenario, through the enhancement of nature-based solutions, and the preservation and restoration of natural capital, in order to accelerate the transition towards circular economy, bio-economy and environmentally sustainable business models, accordingly with the “One Health - Planetary Health” perspective; renewable energy and energy storage; new H<sub>2</sub> production technologies (blue, green and turquoise H<sub>2</sub>); capture, utilization and sequestration of carbon dioxide as well as energy efficiency as a bridge to the decarbonization of the energy system.

The theses must have been defended at an Italian University during the same year of the annual Official Announcement or in the precedent year. The Announcement is published every year by July.

Applicants must be under thirty-two (32) years old, or celebrating their 32<sup>nd</sup> birthday in the year of publication of the above-mentioned Official Announcement.

#### ***Application procedure***

Applications for the *Young Researcher of the Year* must be guaranteed by Professors, Directors of Department, Faculty Deans, Chancellors of universities and polytechnic universities operating in Italy in the specific - or similar - fields for which the Prize is awarded.

Self-candidatures will not be considered.

## Annex 5

### *Debut in Research: Young Talents from Africa Prizes*

Four prizes, each consisting in: i) a customized plaque, ii) a scholarship for the attendance of a 3 years PhD course in a prestigious Italian university, to be awarded to students graduated in an African university and of African citizenship<sup>1</sup>, iii) an indivisible sum of €5,000 (Five thousand Euros), which will be paid once the PhD scholarship has been formally accepted and enrollment procedures have been completed and iv) direct provision and delivery of a) travel tickets roundtrip, b) transfers and c) board and lodging expenses, for which Eni will be in charge of the direct organization and the coverage of costs incurred by Eni, in order for the winners to participate to the Prize-Giving Ceremony with a maximum of one accompanying person for up to 2 overnight stays, will be awarded to students graduated in an African university and of African citizenship<sup>4</sup> who have written a Master degree's thesis. In order to be eligible Master degree's thesis must concern one of the following topics: development of a sustainable and resilient nature within a continuously changing climate scenario, through the enhancement of nature-based solutions, and the preservation and restoration of natural capital, in order to accelerate the transition towards circular economy, bio-economy and environmentally sustainable business models, accordingly with the "One Health - Planetary Health" perspective; renewable energy and energy storage; new H<sub>2</sub> production technologies (blue, green and turquoise H<sub>2</sub>); capture, utilization and sequestration of carbon dioxide as well as energy efficiency as a bridge to the decarbonization of the energy system.

The PhD scholarship will be provided to attend a PhD course belonging to 40<sup>th</sup> PhD cycle (XL cycle, A.A. 2024/2025). Any delays, breaches or wavers by the winner will determine the prize expiration, without the possibility to convert in money the prize or to defer the scholarship to PhD courses not belonging to 40<sup>th</sup> PhD cycle.

The theses must have been defended at an African University during the same year of the annual Official Announcement, or in the precedent year. The Announcement is published every year by July.

Applicants must be under thirty (30) years old, or celebrating their 30<sup>th</sup> birthday in the year of publication of the above-mentioned Official Announcement.

#### ***Application procedure***

Applications for the *Debut in Research: Young Talents from Africa* must be guaranteed by Professors, Directors of Department, Faculty Deans and Chancellors of universities and polytechnic universities, or by researchers of research institutes operating in the specific - or similar - fields for which the Prize is awarded.

Self-candidatures will not be considered.

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<sup>4</sup>According to the list of African countries contained in the *World Population Prospects: The 2022 Revision*, compiled by the United Nations: Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cabo Verde, Cameroon, Central African Republic, Chad, Comoros, Congo, Côte d'Ivoire, Democratic Republic of the Congo, Djibouti, Egypt, Equatorial Guinea, Eritrea, Eswatini, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mayotte, Morocco, Mozambique, Namibia, Niger, Nigeria, Réunion, Rwanda, São Tomé and Príncipe, Saint Helena, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Togo, Tunisia, Uganda, United Republic of Tanzania, Western Sahara, Zambia, Zimbabwe.

## **Annex 6**

### *Recognition at Innovation Eni*

Three engraved silver plaques will be awarded to Eni employees:

- for the best patent proposals in terms of potential impact of the deriving innovation - certified by experimental proofs - and protected by patent rights, submitted within the three years prior to the publication of such Official Announcement;
- for the best innovative technological solutions, provided by Eni's research, whose application in the field or in a model scale occurred in the three years prior to the time limit of the presentation of the Candidatures provided in the annual Official Announcement.

#### ***Application procedure***

Applications for the Eni Innovation Award have to be submitted by the Candidate's supervisor who is in charge of the related technological area, within the deadline indicated in the above-mentioned Official Announcement.

It shall be published by July of every year, with all the requirements concerning the participation.