

## **Participation terms**

**Green Data Challenge 2026**

## 1 Purpose

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These terms and conditions (hereinafter the '**Terms**') govern participation in the 'Green Data Challenge 2026' competition (hereinafter the '**Challenge**' or '**Green Data Challenge 2026**') for potential partners of Red Eléctrica de España, S.A.U. (hereinafter '**Red Eléctrica**') in relation to the forecasting of vegetation growth rates. The Challenge is promoted by Red Eléctrica and Elewit, S.A.U. (hereinafter '**Elewit**'), both registered office at Paseo Conde de los Gaitanes No. 177, Alcobendas, 28, Madrid (Spain). Both companies belong to **Redeia**.

The Challenge has been designed to enable Red Eléctrica to identify potential service providers capable of calculating growth rates for different forest species. All the foregoing is with a technological base that may benefit the tasks mentioned, with Elewit being the promoter of the initiative, together with Red Eléctrica.

To this end, either Elewit or Red Eléctrica will grant Participants access to a dataset (hereinafter, the '**Training Dataset**'), which will include LiDAR data from 5x5 m<sup>2</sup> vegetation cells of the species of interest (defined below) present in the areas surrounding the transmission line corridors defined for the Challenge. These data, collected for the years 2021, 2022, and 2024, will be provided in an .shp file format.

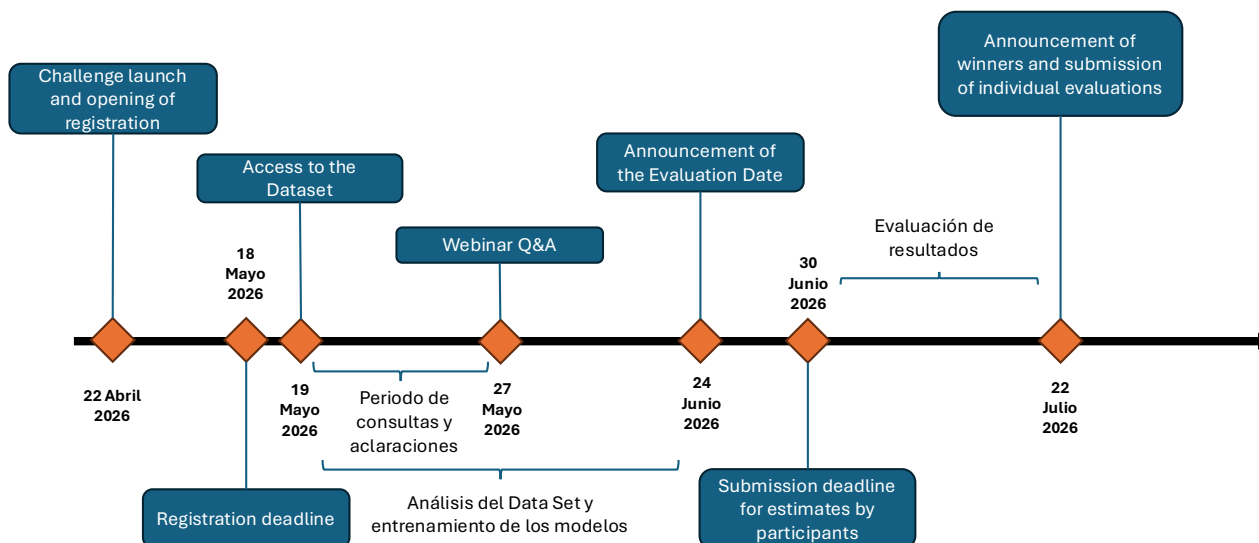
Participants must use the training dataset to train their growth prediction models for these species and for each of the provided cells. Participants must then produce their best forecast of the maximum vegetation height and canopy cover factor within each cell (hereinafter,  $z_{max}$  and FCC respectively) for the reference date (hereinafter, the '**Evaluation Date**'). This date will be communicated to participants during the Green Data Challenge and will be used by Elewit and Red Eléctrica for evaluation purposes (hereinafter, the '**Proposal**').

## 2 Milestones, Phases, and provisional Schedule

The Green Data Challenge is structured around the following milestones and phases:

- **Challenge launch and opening of registration** Milestone: Starting on the launch date, interested parties must complete the form available via this [link](#) and accept the terms and conditions.
- **Registration deadline** Milestone: Final date to register for the Challenge.
- **Access to the dataset** Milestone: On this date, instructions for accessing the Training Dataset (see the following sections of this document for more information) will be sent to the email addresses provided in the registration form.
- **Dataset analysis and model training** Phase: During this period, participants may develop or refine their growth estimation models based on the Training Dataset.
- **Announcement of the Evaluation Date** Milestone: On this date, participants will be informed of the Evaluation Date. This is the date by which they must submit their best estimate of vegetation height and canopy cover factor for each of the cells into which the area is divided.
- **Submission deadline for estimates** Milestone: Final date for participants to submit their best estimates of vegetation height (z\_max) and canopy cover factor. Participants must submit their Proposal to [data.challenge@elewit.ventures](mailto:data.challenge@elewit.ventures) by the end of this period to participate and enter Elewit's evaluation process
- **Results evaluation** Phase: Elewit and Red Eléctrica will compare each participant's estimates with the actual field data collected on the Evaluation Date
- **Announcement of winners and submission of individual evaluations** Milestone

Below is an estimated schedule with the expected dates for each of the milestones and phases described above:



### 3 Geographical scope

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No specific geographical scope is established, so any national or international persons or entities that meet the other requirements contained in these Terms may register for the Challenge.

### 4 Right to participate

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Any legal persons (in representation of which any natural persons of over 18 years of age with sufficient powers who meet the requisites provided in these Terms) who register and apply to participate in conformity with these Terms, assuming the obligations and the content of the same via registration in due time and form (the '**Participants**') may participate in the Challenge.

### 5 Training data and participants' proposal

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The Training Dataset will be provided in LiDAR, .kmz, and .shp file formats.

Line 220EAM-PLS1\_2: Consisting of 255 spans running through Extremadura. The species of interest for growth rate estimation are:

- 45 Holm oak: 100,497 units
- 43 Pyrenean oak: 38,519 units
- 66 Olive tree: 7,190 units

Line 400ALZ-VVI1\_2: Consisting of 80 spans in Extremadura, 268 in Castilla-La Mancha, and 79 in the Community of Madrid. The species of interest for growth rate estimation are:

- 45 Holm oak: 100690 units
- 55 Ash: 6,599 units
- 237 Juniper: 5,494 units

For the purposes of this challenge, the following information will be provided for the two lines mentioned above:

1. LiDAR flights from the years 2021-2022-2024
2. Georeferenced forest inventory of the three predominant species outside the right-of-way area (.shp).
3. Line route and location of the towers that make up the two circuits (.kmz)

### Expected participant deliverables:

1. Complete the .csv file that will be made available to participants which contains the XY coordinates of the selected species, entering the height estimated for the **Evaluation Date** in the 'Height' column.
2. Complete the .csv file that will be made available to participants, which contains the XY coordinates of the selected species, entering the canopy cover factor estimated for the **Evaluation Date** in the 'FCC' column. Further details are provided below.

### DEFINITION AND CALCULATION OF FCC:

The fractional canopy cover, hereinafter 'FCC', is the proportion of ground area occupied by the horizontal projection of vegetation, expressed as a percentage (%).

In this case, for the cells included in the provided csv file, the ground area is defined as a 5x5 m surface centred on the X and Y coordinates specified in each row of the provided csv.

FCC measures the percentage of that surface covered by vegetation.

As an additional example, if vegetation covers the entire area, the measured FCC will be 100%. In another example, if vegetation covers 20% of the area, the measured FCC will be 20%. Lastly, in a third scenario where there is no vegetation, the FCC will be 0%.

Graphically, the total fractional canopy cover (TREE COVER + SHRUB COVER) is represented as:



SHRUB COVER  
+  
TREE COVER

Instructions for accessing the Training Dataset will be sent to the email address provided by Participants during registration.

In any case, the Participant may, in no case, send or disseminate any information or content that may be able to reduce, disorganise, decompile, substantially alter, or impede the normal use of the Training Dataset.

Participants agree to use the data solely for this Challenge, not to copy it, and to delete and destroy all data upon completion. Elewit may request proof of compliance from Participants.

Additionally, and in a supplementary manner, the Participant may include data originating from any other sources, in which case it guarantees to Elewit that it will extract these from any public sources that make them available to the public in a legitimate manner, complying in any case with any regulations that may be applicable. Historical demand data must only be sourced from the Challenge.

Participation in this Challenge is limited, so each Participant may only apply for it once, with this being equivalent to one single application per Participant company.

- a) Should the Participant not meet any one of requisites mentioned in these Terms, its participation will not be considered, with it not being able to opt for any prizes whatsoever, with it being excluded from the Challenge.
- b) In the same manner, the following persons are excluded from participation in the Challenge:
  - i. Entities or employees belonging to Redeia.
  - ii. Members of the jury that will evaluate the applications of the Participants (hereinafter, the 'Jury'), which will be composed by the following:
    - Business experts from the Red Eléctrica.
    - Technology and innovation experts from Elewit.
    - In addition, Elewit may designate any other members of the Jury of recognised prestige, at their own criterion.
  - iii. Any other persons who have a first-or-second-degree family relationship of affinity or consanguinity with any one of the subjects listed in the preceding points.

## 6 Participation process and evaluation criteria

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After the submission period (see section 2), the Jury will select the winning Proposals, from eligible Participants meeting the requirements of these Terms, based on the following evaluation criteria (hereinafter the '**Criteria**');

**Mean absolute error (MAE)** for both  $z_{max}$  (height) and FCC for each cell containing any of the priority species (or shrubs in the case of FCC) compared to the values obtained from field data on the Evaluation Date.

For the correct evaluation of these criteria, the Proposal must include the following deliverables:

A  $z_{max}$  (height) and an FCC value must be provided for each of the cells for which data was supplied, for the specified date.  $z_{max}$  (height) is defined as the highest point within the cell, and FCC is as specified in the section **Training Data and participants' proposal**.

These values must be submitted in a .csv file for validation, using this naming convention: company\_x.csv.

The deliverable must meet the following requirements:

- A column with a unique identifier for the cell.
- A column with the  $z_{max}$  (height) corresponding to that cell.
- A column with the FCC corresponding to that cell.

**A brief technical report describing the methodology used to calculate  $z_{max}$  (height).**

## 7 Prize value and characteristics

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In this Challenge, one Winning Proposal (hereinafter, the 'Winning Proposal') will be selected from among the Participants' submissions. The Winning Proposal will be the submission that best meets the Criteria; however, as there is no minimum number of winners required, the Jury and Elewit may declare the Challenge void at their discretion. However, Elewit may (at its sole discretion) select more than one Proposal if said Proposals adequately meet the Criteria and their results do not differ materially from the corresponding Winning Proposal (hereinafter, said additional proposals together with the Winning Proposals shall be referred to as the '**Selected Proposals**').

The prize for the Selected Proposals among the Participants is the potential for a service contract to extend the study of growth rates for this species. This opportunity is contingent upon the results being deemed sufficiently accurate to support growth forecast calculations, at the discretion of Red Eléctrica.

Elewit is expressly authorised—but not obliged—to officially publish the Winning Proposal or the Selected Proposals for the Green Data Challenge on its website and main social media channels. Furthermore, Elewit may organise other events, webinars, or media actions to showcase participating companies and their capabilities to energy stakeholders and potential clients, including transmission system operators (TSOs), distribution system operators (DSOs), and other relevant members of the energy forum. This communication action will be complemented with social media posts (such as Twitter and LinkedIn) through Elewit profiles and other kind of content generation highlighting the companies and their technologies related to the challenge.

## 8 Announcement of Selected Proposals for the Challenge

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At the end of the evaluation period (estimated date: 15 July 2026), Elewit will contact the selected Participants by phone or email (at Elewit's discretion) to inform them that their Proposals have been selected. The result of the Challenge and the Selected Proposals will also be communicated to the rest of the participants.

Selected Participants will receive the necessary documentation and information via email to access the aforementioned online validation period.

## 9 Privacy

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Participants agree to maintain strict confidentiality regarding any information (oral or written and in any format) relating to Elewit, Red Eléctrica, or third parties, obtained during the Challenge. This includes, but is not limited to, knowledge, results, and intellectual property acquired through participation (including pre-Challenge documentation). Participants will not use this information for their own or any third party's benefit, outside the scope of the Challenge. This covers all information, ideas, concepts, reports, drawings, diagrams, records, specifications, standards, manuals, models, processes, technical knowledge, data, business plans, projections, techniques, and informative documents obtained during the Challenge. Participants must keep confidential all aspects of the Challenge, including any amendments, modifications, contractual documentation, and other Challenge-related materials (hereinafter, collectively, the '**Confidential Information**'). This shall apply unless authorised in writing by Elewit or Red Eléctrica (if applicable).

Notwithstanding the above, the Participants may disclose said information without the prior authorisation from Elewit and/or Red Eléctrica (as applicable) under the following situations:

- c) To employees, executives, Board members, or companies within the same corporate group that are actively and directly involved in managing the Challenge or have a justified need to access the information (hereinafter, the '**related Parties**'). These related Parties must also adhere to the previously agreed confidentiality obligations. In such cases, Participants will be liable for any unauthorised disclosure by the related Parties.
- d) If required by a legal, judicial, or administrative order, or as part of a tax, legal, or administrative proceeding, Participants or related Parties may disclose confidential Information in whole or in part. In such instances, Elewit must be notified immediately and in advance of any disclosure to allow for appropriate measures to ensure that only the legally required confidential Information is shared in accordance with applicable law.
- e) If the information was already publicly available or widely known before it was disclosed to the Participant.
- f) If the information becomes publicly available without any breach of this clause by the Participant or the related Parties.
- g) If the information has been provided without confidentiality obligations to the Participant or related Parties by a source other than Elewit or Red Eléctrica (as applicable), and that source is authorised, at the discretion of Elewit or Red Eléctrica, to disclose it.
- a) If the information was already in the Participants' or related Parties' possession before it was communicated to them, as long as it did not originate from a source prohibited from disclosing it to the Participant.

The Participants undertake to safeguard the supports containing Confidential Information with the greatest diligence, as well as any other sensitive material, and to have for such purpose safe and adequate storage means for the Confidential Information obtained.

In any event, Elewit and the relevant Participant shall agree on the content, means of communication and the date of publication of any press release, notice or communication of any type regarding the existence of the Challenge, or the content of same.

At the end of the term of this document for any reason whatsoever, the Participants shall not withhold the Confidential Information and shall return or destroy, at Elewit's choice, all the oral or written Confidential Information in any support as well as any copies thereof it may have. The Participants must also certify in writing to Elewit that this Confidential Information has been returned or destroyed.

The duty of confidentiality shall be kept for at least five (5) years since the termination of this document unless the applicable law states a longer or undefined period.

## 10 Processing of personal data

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In compliance with the applicable data protection regulations (Organic Law 3/2018, of 5 December, on the Protection of Personal Data and guarantee of digital rights, and Regulation (EU) 2016/679 of the European Parliament and of the Council, of 27 April 2016, on the protection of natural persons with regard to the processing of personal data and on the free movement of such data), Elewit, as the data controller, informs the representatives of the Participants whose personal data are provided for the enforcement of these Terms and conditions of the following:

- a) That their personal data provided during the execution of these Terms, as well as any that are collected during the period of validity of the contest, will be processed with the purpose of maintaining and managing the precontractual and contractual relationship.
- b) That the personal data will be processed based on the consent for this data processing given by Participants and based on the execution of these Terms, and they will be stored if the contractual relationship is maintained.
- c) That, once the contractual relationship has terminated, their personal data will be stored during the period necessary to comply with any legal obligations or for the formulation, bringing of and defence against any claims.
- d) That their data may be communicated to any third parties that Elewit is legally or contractually bound to communicate them to, which, among others, include: (i) Courts, to comply with legal requisites and for the administration of justice, and (ii) any other third parties whenever this may be necessary for the conclusion, execution and control of these Terms or whenever this may be so required in law.

As the data controller, Elewit guarantees the exercising, at any moment, of the rights of access, rectification, erasure, and portability of the data provided, as well as restriction and objection to processing (or any others recognised in law) by means of a written notification addressed to the attention of the data controller, via the contact details indicated here below:

*ELEWIT, S.A. Unipersonal, by e-mail, to [digame@redeia.com](mailto:digame@redeia.com) or by standard post, addressed to Paseo Conde de los Gaitanes n.º 177, La Moraleja, 28109 Alcobendas, Madrid.*

In addition, Elewit informs the Participants that they may contact the Data Protection Officer of Redeia, as the figure entrusted with providing an effective response to the exercising of their rights, via the e-mail address [dpd@redeia.com](mailto:dpd@redeia.com).

In the same manner, the parties intervening are informed that they may present a claim to the corresponding supervisory authority in Spain, the Spanish Data Protection Agency ('Agencia Española de Protección de Datos').

## 11 Industrial and intellectual property and liability

Elewit and each Participant is and will be the exclusive proprietor of knowledge, information, materials of whatever form or nature, and of the Industrial and Intellectual Property Rights held by them in accordance with the terms set out in the following subsections (hereinafter, the **'Knowledge'**):

- e) Knowledge acquired prior to the signing of this Agreement or licensed to either party by a third party, provided it is necessary for the full and appropriate completion of the Challenge.
- f) Knowledge generated or acquired at any time, regardless of the execution of these Terms and conditions or the compliance with the obligations derived from them.

This notwithstanding, in connection with the ownership enjoyed by each of the parties and on an exclusive basis regarding such Knowledge, the parties undertake to grant the corresponding authorisations or licences which are necessary to carry out and execute the Challenge and these Terms. The licensor will grant the licenses without any explicit or implied warranties, including, but not limited to, warranties of commercial viability, patentability, or fitness for a particular purpose.

The Parties acknowledge and agree that such authorisation or license does not include any right or entitlement to inspect, decompile, reverse engineer, decrypt, extract, separate, or copy the industrial and intellectual property Rights provided by their owner. Nor are they authorised to sell, license, dispose of, assign, transfer, disclose, or otherwise make such industrial and intellectual property rights available to third parties, in whole or in part, without the explicit consent of their owner.

The authorship of any results or intellectual property elements developed as a result of the execution of the Challenge shall be determined in accordance with the applicable legislation. Without prejudice to the foregoing, the parties agree that any such results based on or using Elewit's or Red Eléctrica's (as applicable) Knowledge and any Industrial and Intellectual Property Rights related shall correspond and be fully owned by Elewit and/or Red Eléctrica (as applicable).

Definition of **'industrial and intellectual property Rights'**:

- g) Registered patents, designs, trademarks, utility models, technical know-how (as described below), intellectual property rights, and database rights.
- h) Any other industrial or intellectual property rights, or any similar or equivalent rights, existing anywhere in the world today or that may be recognised in the future.
- i) Applications for registration, extensions, and renewals associated with any of the aforementioned rights.
- j) The expression of any original creation or work, in any tangible or intangible form, including but not limited to computer programmes of any kind, source code, object code, technical documentation, user manuals, training manuals, document technical specifications, conversational corpora, reports, data formats, drawings, graphics, blueprints, logos, prototypes, and the results of any transformation, modification, update, adaptation, new versions, or changes to such works or creations.

## 12 Modifications and liabilities

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If the Challenge cannot proceed as intended due to detected fraudulent activity, technical errors, or any other circumstances beyond Elewit's control that affect its normal development, Elewit reserves the right to cancel, modify, or suspend the Challenge at any time.

Elewit reserves the right to modify the conditions and dates of the Challenge, suitably informing the Participants.

Elewit shall not be liable for any delays or any other circumstances attributable to third parties that affect participation or performance of the Challenge.

Elewit reserves the right to automatically remove any Participant who, in its opinion, defrauds, alters, or renders impossible the correct execution and normal and regulatory performance of the Challenge, whoever carries out any inappropriate practices to improve their profitability, such as insider trading, undue manipulations, etc., whoever unduly affects third-party rights or whoever uses any type of practices that may be considered contrary to the aim of the Challenge.

Elewit excludes any responsibility or liability due to damages of any nature that may be due to any temporary lack of availability or of continuity of the operation of the system of participation in the Challenge.

In no case shall Elewit be responsible or liable for any losses or damages of any kind that arise due to accessing and using the Training Dataset, which includes, but is not limited to, any produced in the computer systems or any caused by the introduction of any virus and/or computing attacks. Elewit shall also not be responsible or liable for any damages suffered by the Participant due to any inappropriate use of the Training Dataset, and, in no manner, for any outages, interruptions, absence or defects in telecommunications.

Elewit assumes no responsibility or liability for any delays in mails or in telecommunications networks related to records or the sending of data, among others.

Elewit shall not be responsible or liable should the data of the winning Participants be erroneous or should it not be possible to contact them due to any causes beyond the control of Elewit.

In addition, in no case shall Elewit be responsible or liable for any use by any Participants of the data included in their Proposals, or, in general, for the content of the same.

The Participants shall be liable and shall indemnify Red Eléctrica for any damages that any breach of these Terms may cause the latter and they are obligated to hold Red Eléctrica harmless from any claims by third parties, with them being responsible for and assuming in full the payment of any costs or pecuniary charges that may be derived in favour of third parties as a consequence of any actions, claims or conflicts derived from the breach of any obligations established in these Terms.

## 13 Acceptance of the terms and conditions

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Participation in this Challenge supposes acceptance in full of the terms and conditions established in these Terms and express submission to any interpretative decisions made in relation to the same by Elewit.

## 14 Content of advertising material

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Each Participant authorises Elewit to use its name and image in the advertising material related to the Challenge, including on the Internet, without receiving any compensation whatsoever.

## 15 Applicable law and jurisdiction

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These Terms will be governed and interpreted in conformity with common Spanish law, with the regulations in the area of conflict of laws not being applicable.

The parties, expressly waiving their own jurisdiction should they have one, expressly submit to the Courts and Tribunals of the city of Madrid for the resolution of any litigation, discrepancy, questions, or claims resulting from the interpretation, fulfilment, execution, or resolution of these Terms or directly or indirectly related thereto.

elewit

A Redeia company