

Eco-Responsibility Charter of LGL-TPE

Preamble

In March 2024, the management of LGL-TPE (hereafter “the Laboratory”) established an eco-responsibility group composed of volunteers following a general call to the Laboratory. This group was assigned the following missions:

- Collect available information about the Laboratory (notably on greenhouse gas (GHG) emissions).
- Estimate an initial trend: what direction has the Laboratory taken in recent years?
- Propose potential actions to reduce our impact and possibly refine our estimation.

The eco-responsibility group drafted this charter considering the following elements:

- The **Paris Agreement and EU** commit us to a **55% reduction in GHG emissions by 2030** compared to 1990 levels.
- **National and European funding programs** will soon consider adherence to this objective.
- **Calculating and accounting for individual emissions** is necessary to raise awareness about GHG reduction.
- **To account for individual differences**, it is preferable that **GHG quotas be assessed globally rather than by emission category**.
- **Estimating individual professional GHG emissions** is challenging, particularly regarding purchases. However, the tools provided by **Labos1point5** (<https://apps.labos1point5.org/ges-1point5>) simplify the process. Hence, spending **30 minutes to 1 hour annually** to establish one’s emissions balance is a necessary commitment for each member of the Laboratory.
- **Heating and air conditioning are managed by external authorities** and are not under individual control; they are thus excluded from personal calculations.
- In the absence of past **GHG emissions data** for LGL-TPE, a **reasonable proxy** is provided by ISTERRE’s 2022 report: purchases (3.20 tCO₂e per person), missions (0.74 tCO₂e), commuting (0.41 tCO₂e), totaling **4.35 tCO₂e per person** (excluding heating: 0.46, and other emissions <0.17).
- **We are also required to reduce our energy consumption**, but for the sake of gradual implementation, this effort will be addressed later.
- This charter is **inspired by and adapted from** the charter adopted by the **LOCEAN laboratory**. It is based on the approval of the following proposals.

- **Laboratory members were consulted** through an **online advisory vote** after the **extraordinary General Assembly on June 3, 2024**, regarding the proposals of this charter. It was subsequently voted on during the **Laboratory Council on July 4, 2024** (15 votes in favor, 1 against).

- The **three measures in this charter are independent** and were adopted separately.

Measure 1 - Principle:

The Laboratory commits to reducing its **GHG emissions in alignment with the trajectory set by the Paris Agreement and EU** (i.e., a **55% reduction from 1990 levels by 2030**).

Measure adopted by 95% of voters (*102 votes in favor, 5 against, 2 abstentions*).

Measure 2 - Reduction of emissions:

The Laboratory will implement an **annual GHG emissions quota** for its **purchases, missions, and home-work commuting**, based on the **2023 GHG assessment**. We anticipate this will be approximately **5 tCO₂e per staff member** (i.e., **850 tCO₂e for the entire laboratory**, which includes **170 staff members in 2024**).

The goal is to **gradually and collectively** reduce the Laboratory's **impact by 55% by 2030**, following the schedule below:

Year Annualized GHG Quota (compared to 2023 baseline)

2024	100% of the 2023 GHG assessment
2025	90% of the 2023 GHG assessment
2026	80% of the 2023 GHG assessment
2027	70% of the 2023 GHG assessment
2028	60% of the 2023 GHG assessment
2029	50% of the 2023 GHG assessment
2030	45% of the 2023 GHG assessment

To achieve this, the **eco-responsibility working group** will establish the **Laboratory's global emissions report**, using data collected through **dedicated software**, to be implemented by **April 2024**.

Additionally, we propose that **each staff member anonymously calculates their individual professional GHG emissions** and submits the data to the designated **eco-responsibility group representative**.

Collective purchases may be accounted for proportionally based on usage. In such cases, **the emissions will be distributed accordingly among the relevant staff members**.

If this procedure fails to keep the Laboratory within its **GHG emission limits**, it will be **reviewed and adjusted accordingly**.

Measure adopted by 83% of voters (*90 votes in favor, 12 against, 7 abstentions*).

Measure 3 - Monitoring the reduction process:

- The Laboratory **publishes this charter** and reports on whether it has been adopted.
- **Each December, all staff members** are invited to **complete their individual professional GHG assessment** for the current year using the **designated tool**.
- **Each year**, the Laboratory **analyzes the results** and **publishes its annual GHG report** on its website.
- **New staff members are informed** of this charter upon arrival and **commit to adhering to its principles**.

Measure adopted by 87% of voters (*95 votes in favor, 9 against, 5 abstentions*).