

## Statement of Independent Assurance of Greenhouse Gas Emissions Calculations 2021 EYDAP S.A.

The Statement of Independent Assurance was carried out by Center for Sustainability and Excellence (CSE) and it concerns the Greenhouse Gas emissions of EYDAP S.A. during the reporting period 1st January 2021 to 31st December 2021. With the present statement, CSE confirms the accuracy, reliability, correctness of the Greenhouse Gas emissions calculations of EYDAP S.A.

### Project Scope

The scope of the project included:

- ✓ The overview of the data that were collected by E.YD.A.P.
- ✓ The overview of the methodology used to calculate the Greenhouse Gas emissions (Scope 1, 2 & 3)
- ✓ The recalculation of the carbon footprint by CSE

Specifically, the data were assessed against the following criteria:

1. Scope boundaries (geographical, operational, time)
2. Missing information and potential uncertainty in regards with the provided raw data
3. Validity of methodology applied
4. Validity of assumptions made
5. Accuracy of emissions calculations
6. Magnitude of errors and faults

### Methodology

The verification and the recalculation of the Greenhouse Gas emissions of EYDAP S.A. were carried out by CSE according to the Greenhouse Gas Protocol and ISO 14064. In the final calculation CSE included:

Sources of emissions - Activity	
Scope 1	<ul style="list-style-type: none"><li>• Stationary combustion sources</li><li>• Mobile combustion sources</li><li>• Wastewater treatment plant</li><li>• Corporate fleet transportation</li></ul>
Scope 2	<ul style="list-style-type: none"><li>• Electricity consumption</li></ul>
Scope 3	<ul style="list-style-type: none"><li>• Production of chemical substances</li><li>• Outflow disposal to aquatic eco-systems</li><li>• Employee commuting by car</li><li>• Employee commuting by motorbike</li><li>• Employee commuting by taxi</li><li>• Employee commuting by metro/tram</li><li>• Employee commuting by buses</li></ul>

## General Findings

### ***Based on the aforementioned criteria we conclude that:***

1. EYDAP S.A. provided data that cover the Scope Boundaries both geographical, operational and time wise. Specifically, EYDAP S.A. has covered all its activities and infrastructures including the Water Treatment Plants (in Aspropirgos, Acharnaes, Galatsi, Polidendri), the Wastewater Treatment Plants (in Psitaleia, Metamorfosi, Thrasio), the External Water Supply System, the Water Supply Network, the Sewage Network, the Buildings within Attica region, and the corporate fleet transportation and employee commuting by non-corporate means of transport. Moreover, all data cover the year 2021.
2. Regarding the provided data and calculations by EYDAP S.A., no Information gaps or uncertainties were observed.
3. EYDAP S.A. used widely accepted tools for the greenhouse gas emissions calculations. Specifically, the methodology followed was based on the ISO 14064-1:2018 and on the Greenhouse Gas Protocol.
4. No assumptions were used by EYDAP S.A. for the greenhouse gas emissions calculations.
5. CSE recalculated the emissions of carbon dioxide's equivalent ( $\text{CO}_2\text{e}$ ) and the emissions of carbon dioxide ( $\text{CO}_2$ ), methane ( $\text{CH}_4$ ) and nitrous oxide ( $\text{N}_2\text{O}$ ) from all the activities and facilities of the company, and certifies the accuracy of the measurements that were carried out by EYDAP S.A. The measurements of CSE were based on the Greenhouse Gas Protocol 2021 and on the ISO 14064. CSE notes that for the measurement of carbon dioxide's ( $\text{CO}_2$ ), methane's ( $\text{CH}_4$ ) and nitrous oxide's ( $\text{N}_2\text{O}$ ) emissions the following global warming potentials were used respectively:  $\text{GWP}_{\text{CO}_2} = 1$ ,  $\text{GWP}_{\text{CH}_4} = 28$  και  $\text{GWP}_{\text{N}_2\text{O}} = 265$ .
6. No errors were detected at EYDAP S.A.'s calculations. At rare occasions, a small divergence was observed among the values of methane ( $\text{CH}_4$ ) and nitrous oxide ( $\text{N}_2\text{O}$ ), between the values that CSE calculated and those calculated by EYDAP S.A. The divergence is attributed to the fact that the emission's factors used by EYDAP S.A. were precedent to 2021. We recommend the renewal of greenhouse gas emissions factors by EYDAP S.A.

### **Statement of Independence, Impartiality and Competence of CSE**

CSE, and its external assurance team, confirms that has maintained its independency and objectivity and that no issues that could affect the level of independency and objectivity took place. No conflicts of interests were detected relating to the manner that CSE carried out this external assurance.

The external assurance team of CSE has extensive knowledge and international experience at carrying out assurance, audits and evaluation for issues related to the environment, society, employees, and stakeholders. Due to its combined knowledge, CSE has the ability to implement good practices to corporate responsibility and assurance.

On behalf of the External Assurance Team,

Nikos Avlonas

30 May, 2022