



GEO THERM-FORA Deliverable D3.4

# Database of Internal Stakeholders

## version 1

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## Table of contents

Table of contents.....	3
Figures .....	3
Tables .....	3
1 Executive Summary .....	4
2 Introduction.....	5
3 Database Structure.....	6
3.1.1 Table Members.....	6
3.1.2 Organisation per Working Groups.....	6
4 Stakeholder Monitoring.....	7
5 Contact Details and Information .....	13
5.1.1 Registration for membership.....	13
6 ETIP-Geothermal Engagement with Stakeholders .....	14

## Figures

Figure 1: WG1 comparative between 2021-2022 and 2022-2023.....	7
Figure 2: WG2 comparative between 2021-2022 and 2022-2023.....	8
Figure 3: WG3 comparative between 2021-2022 and 2022-2023.....	8
Figure 4: WG4 comparative between 2021-2022 and 2022-2023.....	8
Figure 5: WG6 comparative between 2021-2022 and 2022-2023.....	9
Figure 6: WG7 growth comparative between 2021-2022 and 2022-2023 .....	9
Figure 7: WG8 growth comparative between 2021-2022 and 2022-2023 .....	9
Figure 8: Stakeholders per categories between 2022-2023 .....	10
Figure 9: Number of ETIP-Geothermal members per EU28 member state .....	10
Figure 10: Evolution of the number of active members that jointed ETIP-Geothermal.....	11
Figure 11: Evolution of the number of organisations / companies that jointed ETIP-Geothermal .....	12
Figure 12: Screenshot of the registration form on the website <a href="http://www.etip-geothermal.eu">www.etip-geothermal.eu</a> .....	13
Figure 13: Screenshot of the Mailchimp audience analytics (Source: Mailchimp) .....	14

## Tables

Table 1: Registration form for ETIP-Geothermal.....	6
Table 2: Categories of stakeholders for ETIP-Geothermal .....	7

## 1 Executive Summary

Deliverable D3.4 consists of database development to manage the members (internal stakeholders) of ETIP-Geothermal effectively. This tool is indispensable for maintaining current and relevant data to inform the members regarding ETIP's activities and extending invitations to participate in the drafting of strategic documents and the activities of the ETIP/Working Group. The primary beneficiaries of this database include the ETIP Secretariat, members of the executive and steering committees, and the leaders of the working groups.

Moreover, the database can be used to track stakeholder involvement in ETIP-Geothermal. For this reason, fields have been included to monitor the evolution of the number of active members and the number of members of specific categories.

The database also includes fields to manage the personal data of the ETIP- Geothermal members according to the conditions laid out in Directive (EU) 2016/680. For the ETIP-Geothermal, data collection is limited to contact details and information needed to monitor stakeholders' involvement. Each new member consented to use their contact when signing up.

Signing up for the ETIP-Geothermal is done through a form on the website (<https://etip-geothermal.eu/get-involved/>). An email is automatically generated by the webpage and sent to [info@etip-geothermal.eu](mailto:info@etip-geothermal.eu) for input in the member's database. Manual entry of new registrations allows the secretariat to screen applications for membership before granting them access to the website and including them in mailing lists. The database is shared with the secretariat, the members of the executive and steering committees and the working group leader through a shared site for data exchange.

## 2 Introduction

The European Technology & Innovation Platform on Geothermal (ETIP-Geothermal) is an open stakeholder group endorsed by the European Commission under the Strategic Energy Technology Plan (SET-Plan). It aims to enable geothermal technology to proliferate and reach its full potential everywhere in Europe. The primary objective is overall cost reduction, including social, environmental, and technological costs. It brings together representatives from industry, academia, research centres, and sectoral associations, covering the entire geothermal energy exploration, production, and utilisation value chain.

Typical stakeholders are:

- Geo-engineering, geophysics and geology departments of universities and research & technology organisations;
- Geo-engineering companies;
- Private consultants (geological, geothermal or from the oil & gas sector);
- Exploration companies;
- Drilling companies;
- Engineering companies;
- Construction companies, including installers or district heating systems;
- Well-service companies (e.g., directional drilling, mud logging, mud engineering, wireline logging, work-over & cleaning);
- Suppliers of materials (e.g., casing, cement, chemicals);
- Suppliers of components (e.g., wellheads, pumps, heat exchangers, filters, scaling & corrosion control, degassers, gas cleaning, sensors, monitoring and operation systems);
- Suppliers of services to operate and maintain the surface installations (e.g., cleaning, supply of chemicals, supply of filter components, waste handling, including NORM);
- Local utilities and plant owners (e.g., operators of district heating systems, (local) energy companies, greenhouse owners);
- Geothermal sector organisations (e.g., local, European and international geothermal platforms);
- Financers (e.g., banks, investment companies, subsidy / financial consultants, municipalities or (local) authorities);
- Local, regional and national authorities (e.g., with respect to licencing, financial support, insurance system);
- Governmental organisations (e.g., GEOTHERMICA, Geothermal Regions)
- NGO's and citizens/citizens groups

### 3 Database Structure

This section describes the structure of the ETIP-Geothermal database, including the tables.

#### 3.1.1 Table Members

The process for joining the ETIP-Geothermal involves completing a form on the website (<https://etip-geothermal.eu/get-involved/>). Given that all communication occurs via email, there is no requirement for postal addresses or phone numbers; therefore, these details are not requested or stored for ETIP-Geothermal activities. However, in anticipation of potential future working groups within ETIP-Geothermal, member information is retained in a table, which includes contact details (email). Additionally, by signing up, individuals automatically consent to GDPR and agree to receive the ETIP-Geothermal Newsletter and event invitations.

**Table 1: Registration form for ETIP-Geothermal**

Field	Type	Required	Remark
<b>First_name</b>	Varchar	Not null	
<b>Last_name</b>	Varchar	Not null	
<b>Email Address</b>	Varchar	Not null	
<b>Organisation</b>	Varchar	Not null	
<b>Country</b>	Varchar	Not null	
<b>Working Group</b>	Boolean		
<b>Category</b>	Varchar	Not null	
<b>isActive</b>	Boolean	Not null	Set to 1 after evaluation of application (3)
<b>UseForETIP</b>	Boolean		Permission to use contact data for ETIP-Geothermal activities
<b>SendETIPNews</b>	Boolean		Permission to get the newsletter
<b>SendInfoETIPEvents</b>	Boolean		Permission to be invited for events.

#### 3.1.2 Organisation per Working Groups

The members of ETIP-Geothermal are categorised based on their participation in one or more of the established working groups, which are as follows:

- WG 1. Geo Resources Assessment
- WG 2. Well Technology
- WG 3. Power Systems
- WG 4. Heating & Cooling Systems
- WG 5. Materials
- WG 6. Environment
- WG 7. Circularity and Sustainability
- WG 8. Market Uptake

## 4 Stakeholder Monitoring

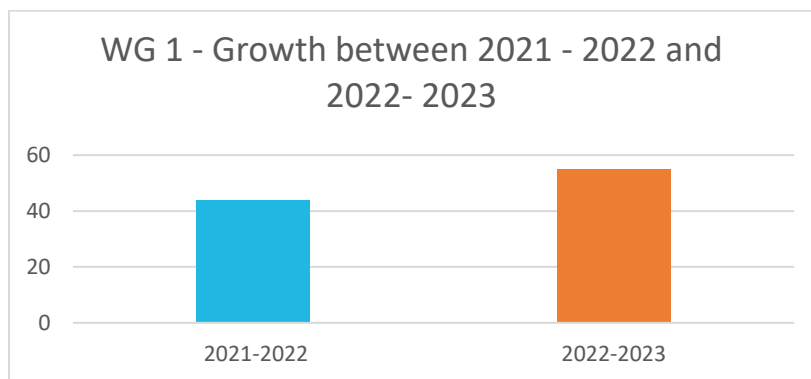
In order to monitor the outreach of the platform, the stakeholders mentioned above are grouped into four categories (Table 2). Input from different stakeholders is crucial to writing strategic documents and planning outreach activities.

**Table 2. Categories of stakeholders for ETIP-Geothermal**

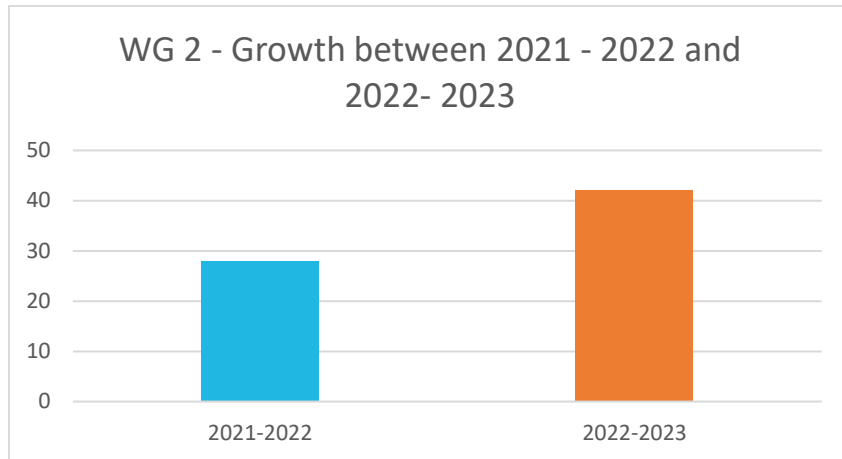
Category	Remark
<b>Academy</b>	Geo-engineering, geophysics and geology departments of universities and research & technology organisations
<b>Industry</b>	Geo-engineering companies, consultants, exploration companies, drilling companies; engineering companies; construction companies including installers or district heating systems, service companies, suppliers of material, suppliers of components; suppliers of services to operate and maintain the surface installations, local utilities; plant owners
<b>Member States</b>	Local, regional and national authorities, Governmental organisations
<b>Other</b>	Financers, financial consultants, NGOs, consumer and citizen groups, citizens

Monitoring the evolution of stakeholders within ETIP-Geothermal is crucial for understanding its growth and impact. In this section, we analysed the changes in stakeholder numbers across the different working groups between 2021-2022 and 2022-2023. The data presented provided insights into the shifting dynamics of stakeholders’ engagement over this period.

All working groups experience a notable increase in membership between 2021-2022 and 2022-2023. Further analysis reveals that academia, industry and other sectors contribute to this increase, indicating the broadening of stakeholder engagement.



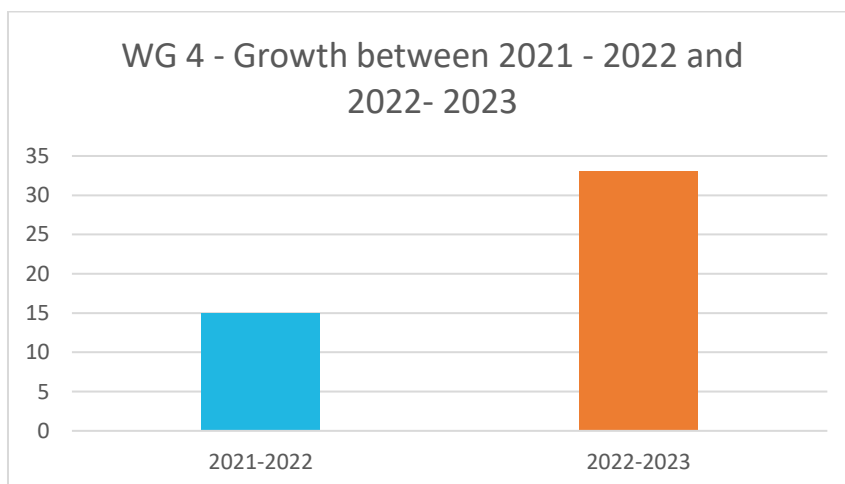
**Figure 1: WG1 comparative between 2021-2022 and 2022-2023**



**Figure 2:** WG2 comparative between 2021-2022 and 2022-2023

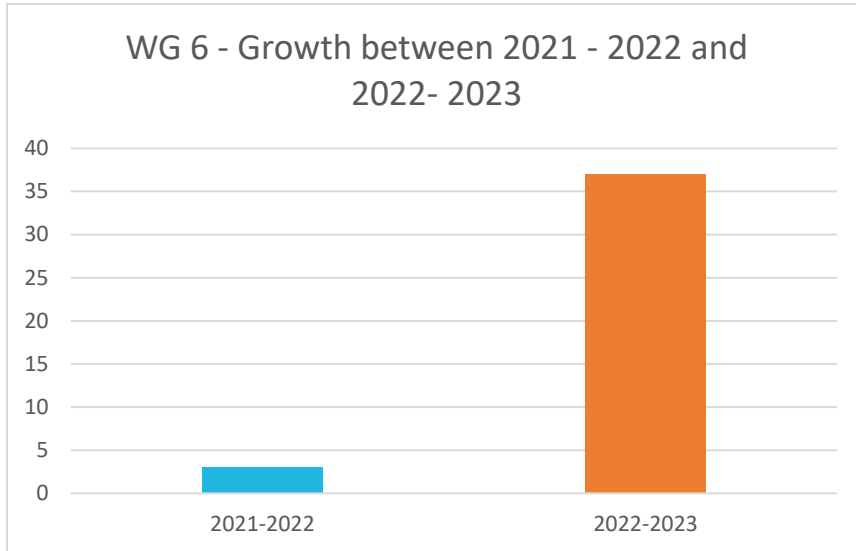


**Figure 3.** WG3 comparative between 2021-2022 and 2022-2023

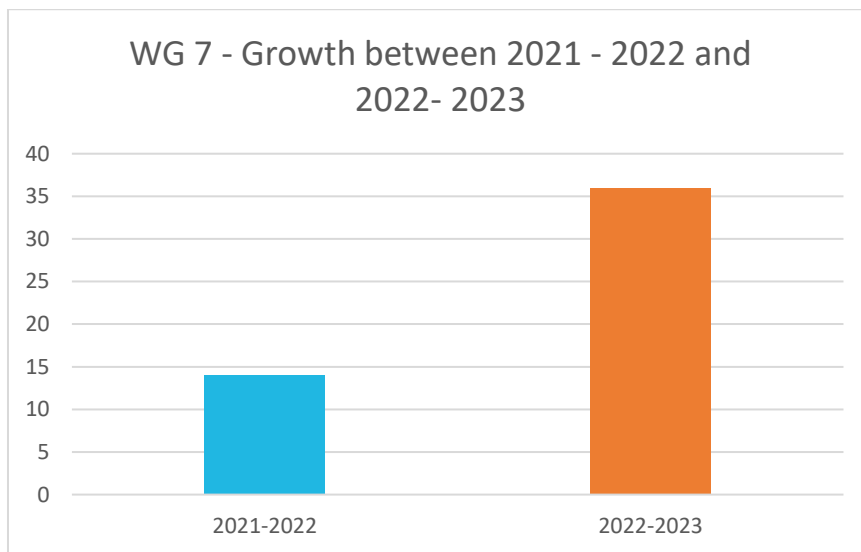


**Figure 4.** WG4 comparative between 2021-2022 and 2022-2023

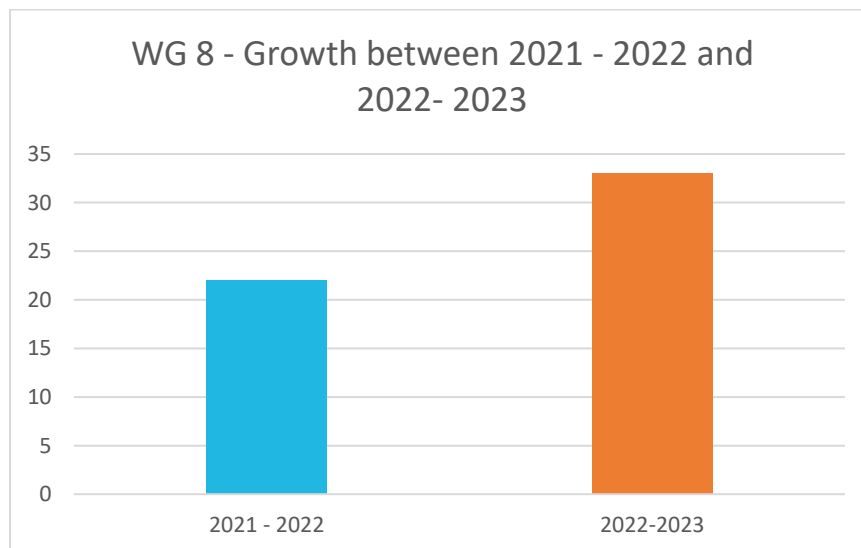




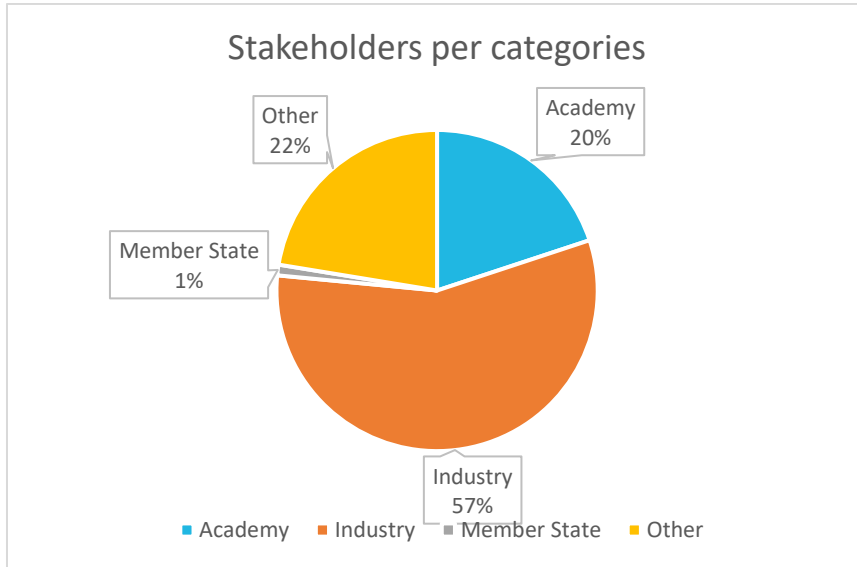
**Figure 5.** WG6 comparative between 2021-2022 and 2022-2023



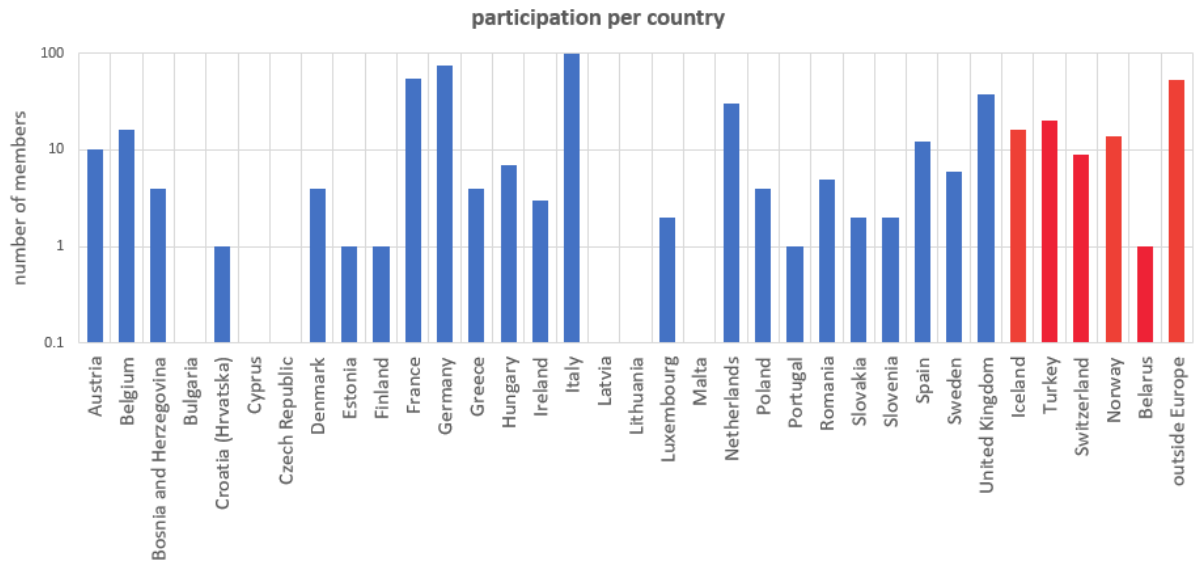
**Figure 6.** WG7 growth comparative between 2021-2022 and 2022-2023



**Figure 7.** WG8 growth comparative between 2021-2022 and 2022-2023

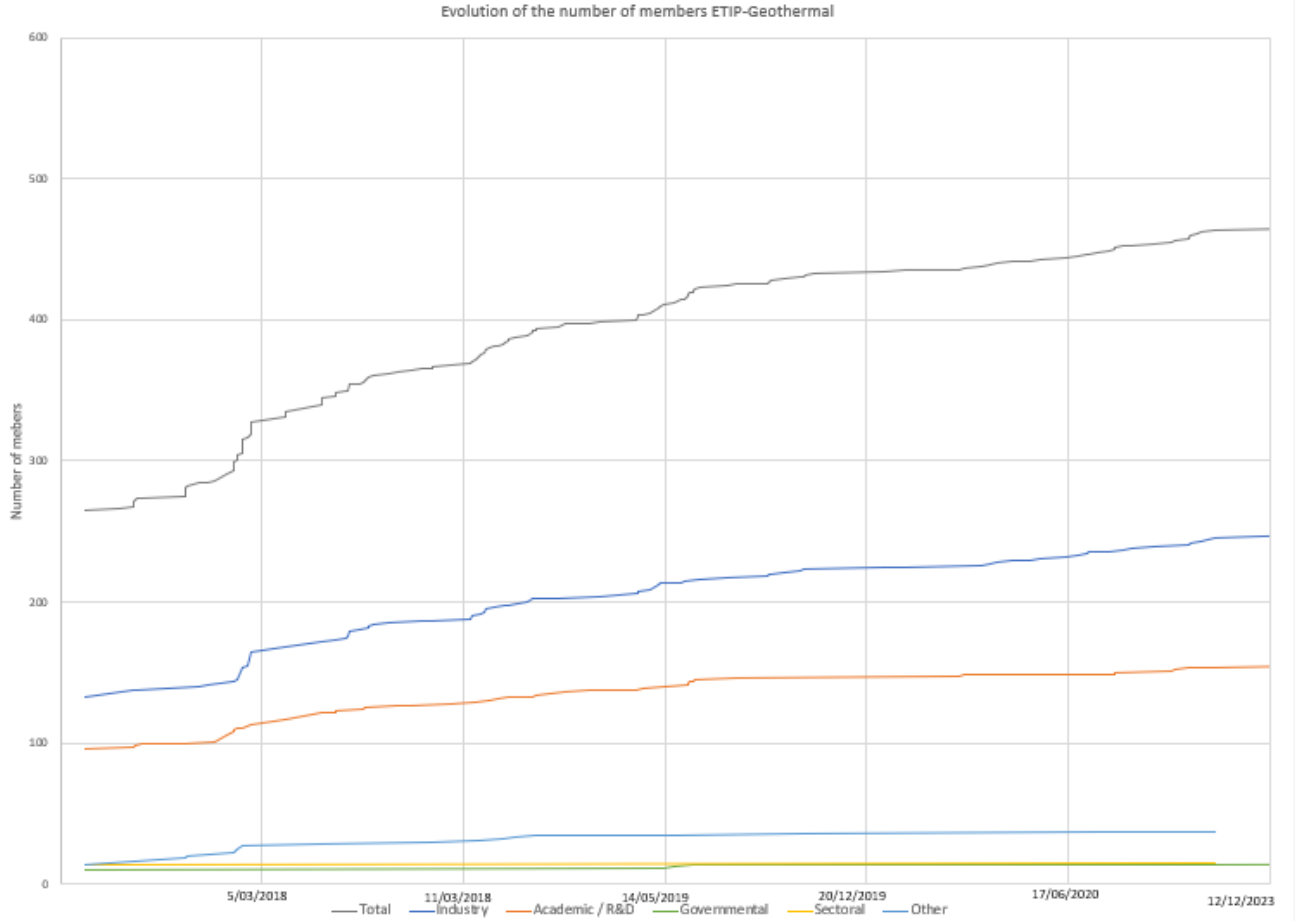


**Figure 8.** Stakeholders per categories between 2022-2023

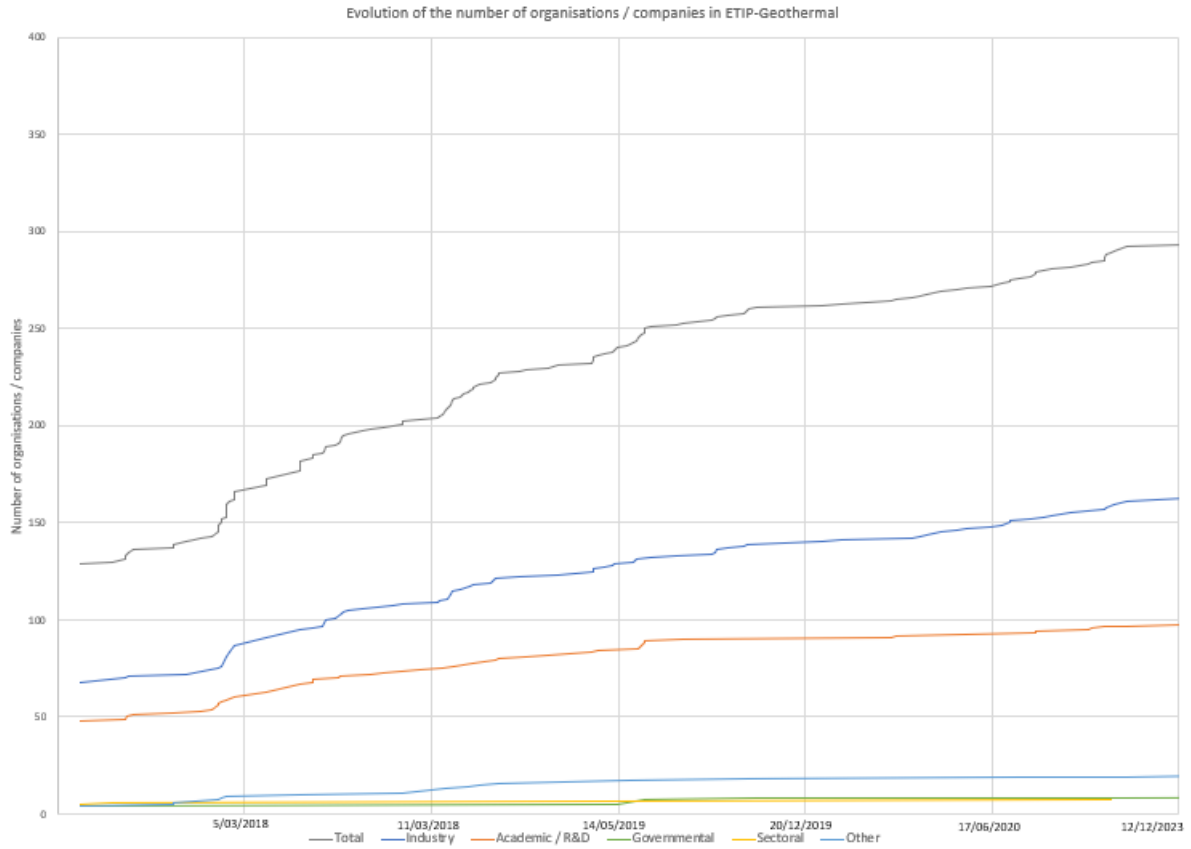


**Figure 9:** Number of ETIP-Geothermal members per EU28 member state

(situation on 23/02/2024)



**Figure 10.** Evolution of the number of active members that jointed ETIP-Geothermal until 12/12/2023.



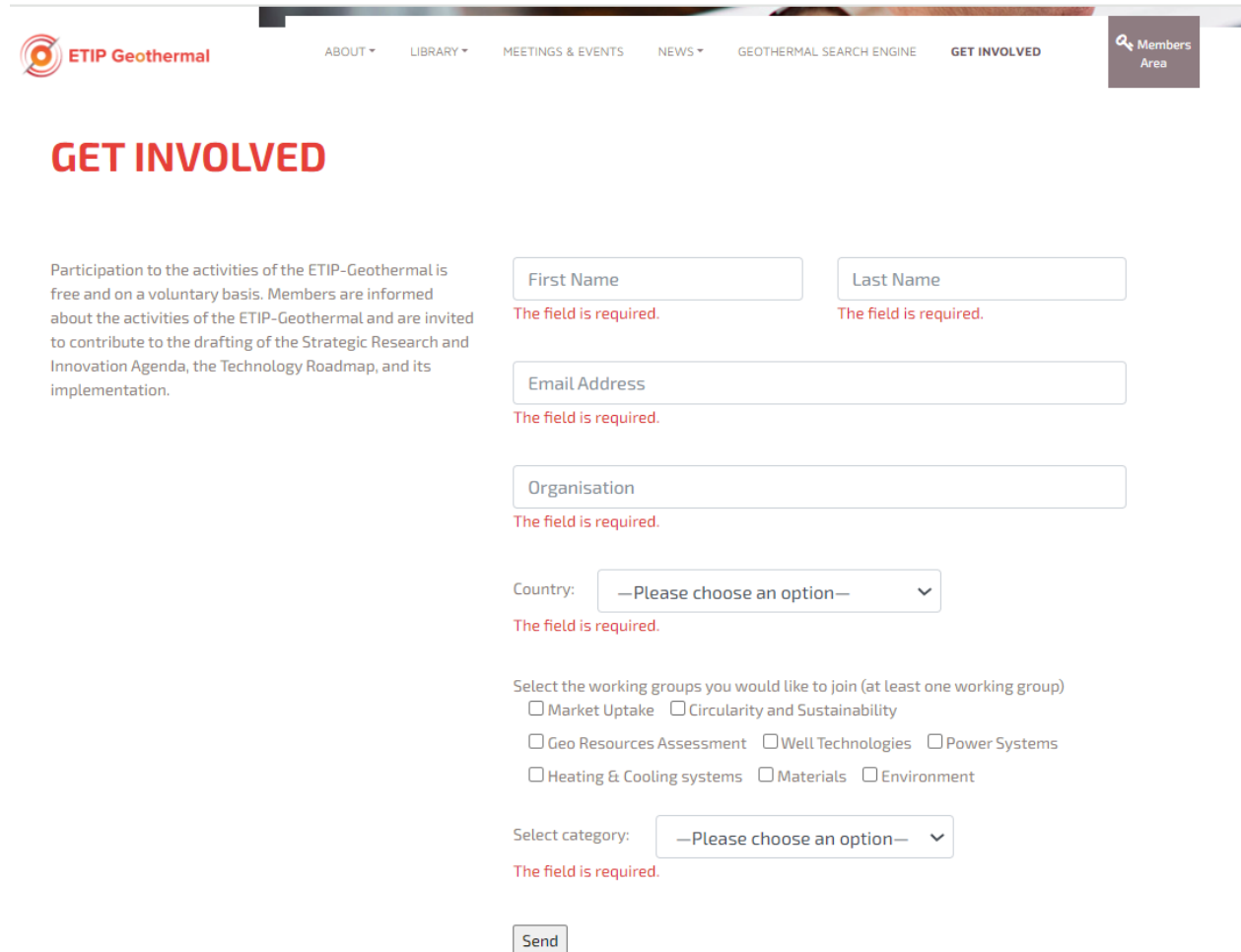
**Figure 11.** Evolution of the number of organisations / companies that joined ETIP-Geothermal until 12/12/2023.

Overall, these data indicate a pattern of increasing stakeholder engagement and participation across various sectors and working groups over the specified time. Moving forward, monitoring stakeholder dynamics will be essential for adapting strategies and ensuring growth and impact within ETIP-Geothermal.

## 5 Contact Details and Information

### 5.1.1 Registration for membership

The secretariat screens every membership request. In this way, it is ensured that members of ETIP-Geothermal are actively involved in the development of geothermal and keep the members' database clean of false information. The secretariat uses the following approach to evaluate requests: Every person registering for the ETIP-Geothermal is asked to select at least one working group in which they want to be involved. A screenshot of the registration form is given in Figure 9.



The screenshot shows the ETIP Geothermal website's registration form. The header includes the ETIP Geothermal logo and navigation links: ABOUT, LIBRARY, MEETINGS & EVENTS, NEWS, GEOTHERMAL SEARCH ENGINE, GET INVOLVED, and a Members Area button. The main heading is "GET INVOLVED".

Participation to the activities of the ETIP-Geothermal is free and on a voluntary basis. Members are informed about the activities of the ETIP-Geothermal and are invited to contribute to the drafting of the Strategic Research and Innovation Agenda, the Technology Roadmap, and its implementation.

The form contains the following fields and options:

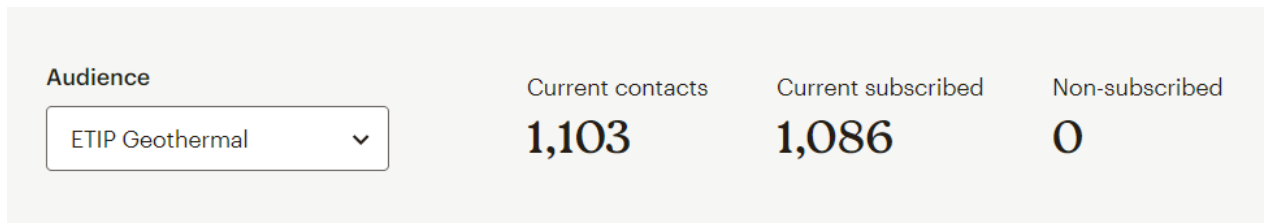
- First Name (Required)
- Last Name (Required)
- Email Address (Required)
- Organisation (Required)
- Country: (Required, dropdown menu with "--Please choose an option--")
- Select the working groups you would like to join (at least one working group):
  - Market Uptake
  - Circularity and Sustainability
  - Geo Resources Assessment
  - Well Technologies
  - Power Systems
  - Heating & Cooling systems
  - Materials
  - Environment
- Select category: (Required, dropdown menu with "--Please choose an option--")
- Send button

Figure 12. Screenshot of the registration form on the website [www.etip-geothermal.eu](http://www.etip-geothermal.eu)

## 6 ETIP-Geothermal Engagement with Stakeholders

ETIP-Geothermal recognises the importance of engaging with stakeholders across various sectors to foster collaboration, exchange knowledge, and advance the geothermal energy agenda. Through proactive communication channels and targeted outreach efforts, ETIP-Geothermal ensures that stakeholders remain informed, involved and empowered to contribute to the collective mission.

ETIP-Geothermal has a dedicated audience on Mailchimp that allows efficient dissemination of information, announcements of upcoming activities, and distribution of newsletters to members and interested parties. By updating this Mailchimp audience with new members, ETIP-Geothermal aims to facilitate seamless communication. We have also launched an official LinkedIn account in line with the commitment to expanding ETIP-Geothermal engagement with its members. This platform will serve as a dynamic space for networking, knowledge sharing, and engagement with a diverse range of stakeholders.



**Figure 13.** Screenshot of the Mailchimp audience analytics (Source: Mailchimp)