

Stakeholders list model

Deliverable D.6.1.1 – Stakeholders list model

16/12/2015 – 14/12/2016: The deliverable will describe a common approach to identify “who does what” in the geothermal field, based on sectors (environment, energy, housing) and competences (policy makers, administrations, SME).

The preliminary analysis for Deliverable 6.1.1 was carried out within Activity 6.1 – the identification of relevant stakeholders in Near-Surface Geothermal Energy (see <http://www.alpine-space.eu/projects/greta/en/project-results/work-in-progress/wp6>).



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1. Introduction: the purpose of a Stakeholder Analysis

In brief the aim of the stakeholder engagement is to identify risks, needs, barriers as well as benefits and enough detail to promote investor and professional involvement in a given project. A stakeholder by definition, are those parties, institutions and people with an interest in the outcome of a given effort or project, in this case, related to energy in general and in geothermal in particular. In GRETA project, a Stakeholders Analysis has served to analyse the specific instruments and components of the whole energy field (not limited to thermogeology itself). The basis of the design of questionnaire 1 has been the systemic thinking proposed at the initial application form.

2. Methodology used in Stakeholder Analysis

A list of Stakeholders linked to GRETA in each of the nation Partners of the project has been designed through a process of brainstorming, by following the inclusion of members of target groups assigned by GRETA in its application form (i.e. national public authority; regional public authority; local public authority; sectoral agency; interest groups including NGOs; higher education and research; SME; general public; infrastructure and (public) service provider; enterprise exploring SME; EEIG/EGTC).

Brainstorming

Each Partner and Observer involved in GRETA has carried a brainstorming of all the possible stakeholders of the local energy system of their own country by following the designed mind-map carried out for the Stakeholder analysis of GRETA project as discussed during preliminary project meetings.

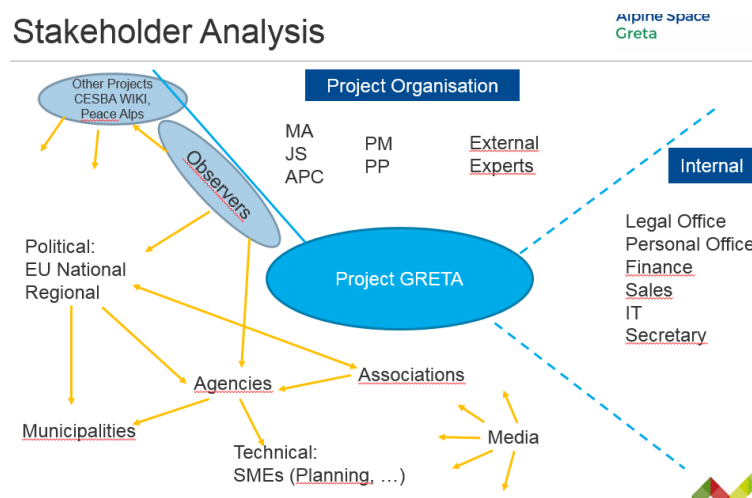


Fig. 1. Stakeholder analysis of GRETA project as discussed during preliminary meetings.

The concept of energy has been kept as broad as possible and not to target just the geothermal field, to avoid missing possible cross-interested institutions that originally had no involvement in geothermal but might have been interested in getting involved with it. ARPA suggested that Partners and Observers kept in mind a set of categories WP6 assigned (see below) to aid the thinking process of who a potential stakeholder was by brainstorming or consult known organizations for others that have been involved in similar efforts to GRETA, or that work with the population or in the area of energy or geothermal in particular. Here is a list of categories that Partners and Observers have thought for the brainstorming stakeholders in the field of energy:

Target GROUPS of GRETA:

- A. national public authority;
- B. regional public authority;
- C. local public authority;
- D. sectoral agency;
- E. interest groups including NGOs;
- F. higher education and research;
- G. SME;
- H. general public;
- I. infrastructure and (public) service provider;
- J. enterprise exploring SME;
- K. EEIG/EGTC

List of categories offered to country Partners to aid the brainstorming process:

Policy / Regulatory engagement

- 1. national governments
- 2. local councils
- 3. local environment agency or ministry

Economic / financing engagement

- 4. trade association
- 5. development institution
- 6. development banks; commercial banks
- 7. state-owned electric utility
- 8. financiers; creditors; lender; insurers in environmental issues

Technical /Research engagement

9. research institutes; representatives from academia
10. energy companies
11. oil, gas, companies
12. professional organisations
13. geothermal experts
14. renewable energy specialists
15. traditional energy developers
16. consultancies; analysts
17. power sector companies; deep drilling specialists
18. suppliers of material or other resources
19. industry and user representatives
20. geologists

Public engagement

21. prospective customers (individual or organization)
22. the community: interest groups and local associations;
23. community possibly impacted by a geothermal project
24. community in a known for or against position towards renewables
25. the social housing sector
26. the media

Environmental engagement

28. environmental advocacy groups
29. environmental consultants
30. other. If other, please specify which _____

Design of questionnaire 1

Questionnaire 1 contains quantitative close-ended questions that allow for establishing who does what in energy and geothermal field in specific.

- Questionnaire containing 15 questions of which 9 are close-ended questions that cover aspects of the economy, legislation, technical, organisation and motivational surrounding the energy field.
- Questions also included the level of interest, which has been collected through two questions, Question 8 - Interest in energy (1- Very high; 2- High; 3- Average; 4- Low) and Question 9 - Interest in NS geothermal (1- Very high; 2- High; 3- Average; 4- Low).
- “Who is who”, what each organisation and body surveyed allows for the understanding also of “who does what”, and this information has been inferred also from questions regarding the typology and percentage of dedication to a given field, as follows: 2- level of management (Local, Regional, National, International); 3- Institution type (1-4); 4- Main domains: 1, 2, 3; participation in phases: 1-6; 5- % of activity in relation to NSGE.
- Questionnaire has been circulated within GRETA project for comments and amendments, before deciding the final version.

Invitation to Stakeholders

- Questionnaire has been then sent to GRETA members for the translation in each of the languages of the project.
- The final version of the questionnaire 1 has been uploaded by ARPA on the ARPA web page.

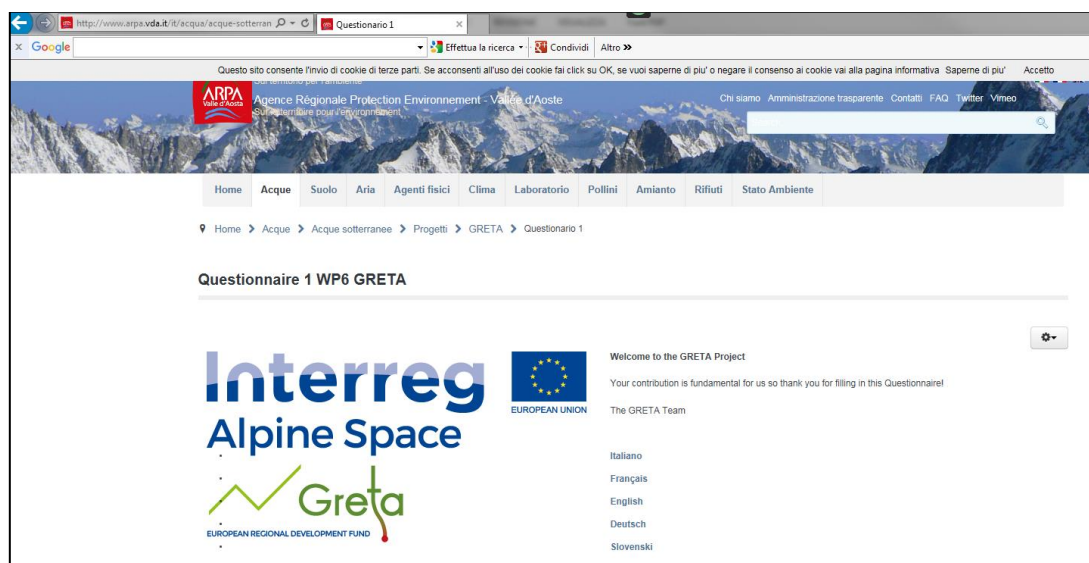


Fig. 2. Screenshot of ARPA web site.

- “Country collectors” have been assigned to countries with more countries (ARPA for Italy; TUM for Germany and Indura for France) to avoid the overlapping and repetition of invitations.
- Partners of GRETA have invited their own Stakeholders to compile the questionnaire 1 online.
- The analysis of questionnaire has been carried out by ARPA and results are shown in a different section of this report.
- Important to note that Questionnaire 1 is and will be online for ongoing traction of new Stakeholders that members of GRETA continue to invite and engage in the Project.

3. Results from Questionnaire 1

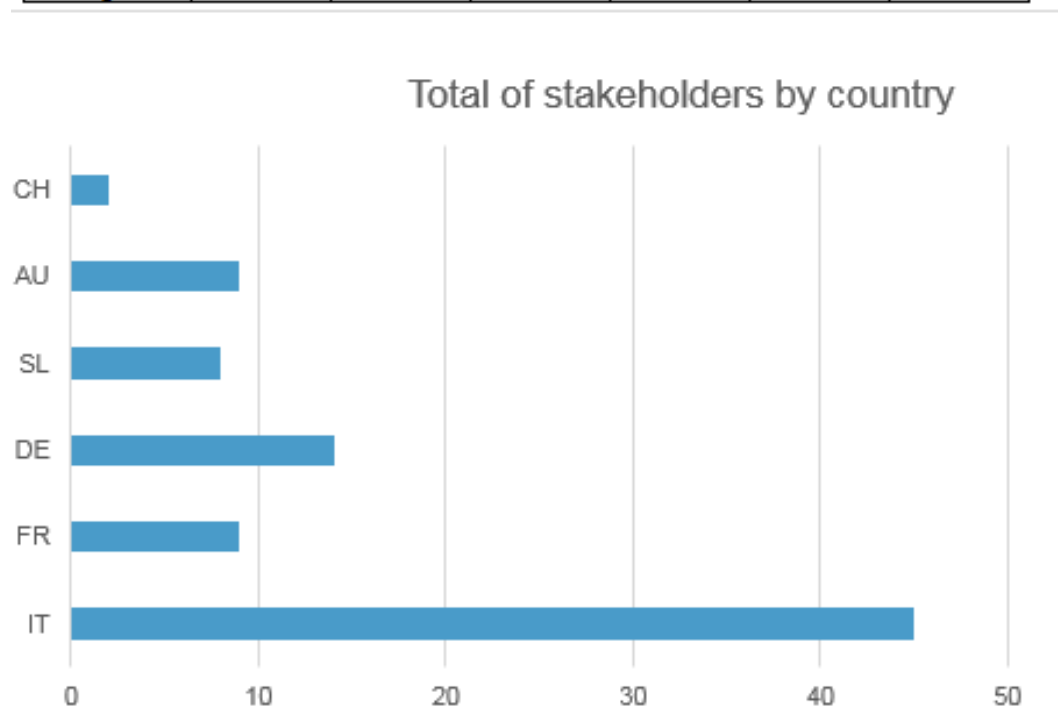
A quantitative analysis has been carried out with the data contained in questionnaire 1. Results of questionnaire one have been loaded in GRETABox and are reported here, as follows:

Total number of Stakeholders listed and contacted for Qtn1: 421

Total number of Stakeholders answering to Qtn1: 87

Total number of Stakeholders answering by country:

Country	IT	FR	DE	SL	AU	CH
Number of stakeholders	45	9	14	8	9	2



4. Appendix

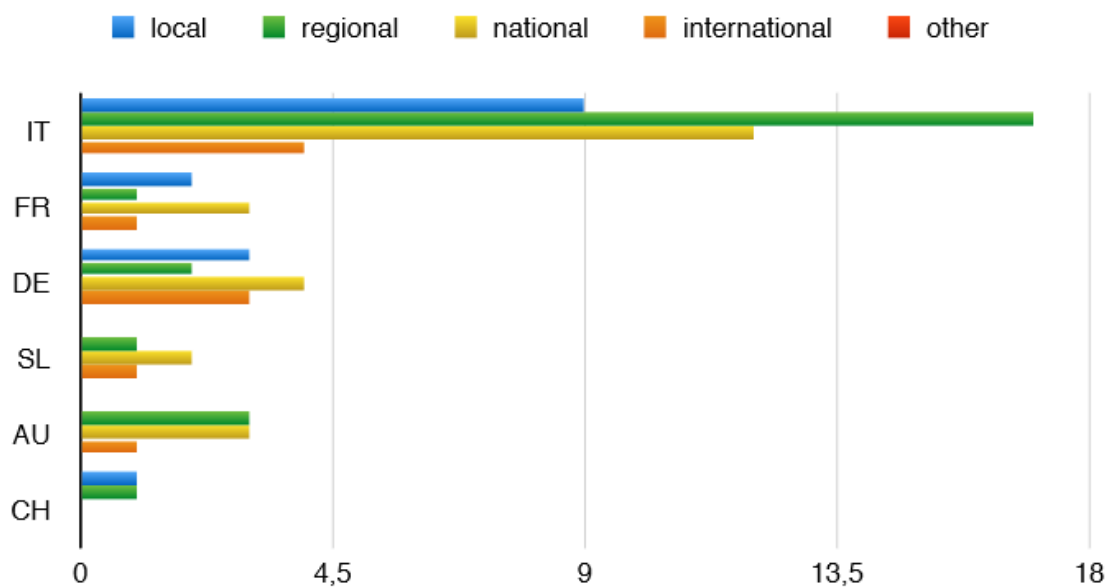
Partner's involvement

No.	Partner	Contact	E-mail
1	TUM	Kai Zosseder Fabian Böttcher	Kai.Zosseder@tum.de Fabian.Boettcher@tum.de
2	ARPA VdA	Pietro Capodaglio Marcela Olmedo Alessandro Baietto	P.Capodaglio@arpa.vda.it Marcela.olmedo2012@gmail.com baietto@gdpconsultants.eu
3	GBA	Magdalena Bottig Gregor Götzl	Magdalena.Bottig@geologie.ac.at Gregor.Goetzl@geologie.ac.at
4	GeoZS	Joerg Prestor Simona Pestotnik	Joerg.Prestor@GEO-ZS.SI Simona.Pestotnik@geo-zs.si
5	BRGM	Charles Maragna	C.Maragna@brgm.fr
6	POLITO	Alessandro Casasso Bruno Piga	alessandro.casasso@polito.it bruno.piga@polito.it
7	EURAC	Pietro Zambelli Valentina d'Alonzo Jessica Ballest	Pietro.Zambelli@eurac.edu
8	Triple S-GmbH		
9	INDURA		
10	CA		
11	Uni Basel		

Evaluation of Questionnaire 1

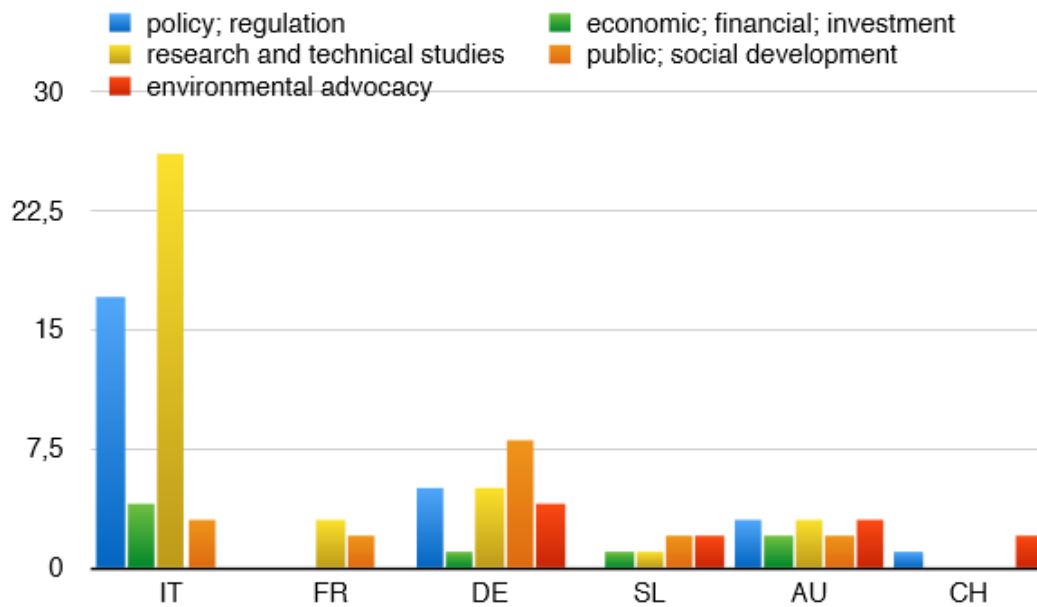
The current document contains the questions posed by Questionnaire 1, sent to Stakeholders of GRETA under the supervision of WP6, and graphs showing consequent results.

Question 2 - At which level does your institution work for energy management?	IT	FR	DE	SL	AU	CH
local	9	2	3	0	0	1
regional	17	1	2	1	3	1
national	12	3	4	2	3	0
international	4	1	3	1	1	0
other	0	0	0	0	0	0

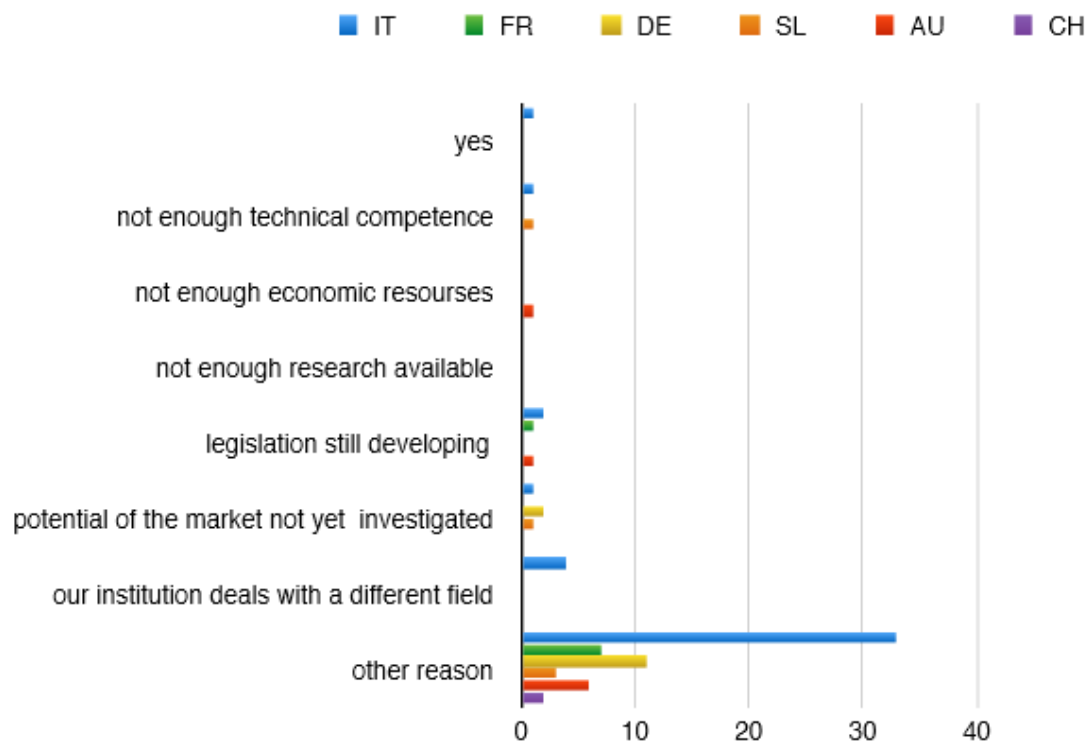


Question 3 - Institution type: please tick which category (not more than three) your institution belongs to	IT	FR	DE	SL	AU	CH
National government	0	0	0	0	0	1
Local council	9	1	3	0	2	1
Local environmental agency		1	0	0	0	0
Trade association	1	0	0	0	0	0
Development institution	1	1	0	0	0	0
development banks; commercial banks	0	0	0	1	0	0
state-owned electric utility	7	0	0	0	0	0
financiers; creditors; lender; insurers in environmental issues	1	0	0	1	0	0
research institutes; representatives from academia	2	1	1	0	1	0
energy companies	1	0	2	1	1	0
oil and gas exploration companies	0	0	0	0	0	0
architects, technical planners and installers	4	1	0	0	0	0
professional organisations	9	0	1	0	0	0
geologists/thermal or civil engineering	12	1	1	0	1	0
geothermal professional bodies	5	0	2	0	0	0
renewable energy professional bodies	0	2	2	0	1	0
traditional energy professional bodies	1	0	1	0	0	0
consultancies; analyst bodies	7	1	0	1	1	0
power sector companies; drilling specialists	2	0	0	0	0	0
suppliers of material or other resources	0	0	0	0	0	0
industry and consumer representative bodies	1	0	1	0	0	0
prospective customers (individuals or organization)	1	0	1	0	1	0
community: interest groups and local associations;	1	0	0	0	1	0
community possibly impacted by a geothermal project	0	0	1	0	0	0
community in a known pro or against position towards renewables	1	0	0	1	1	0
social housing sector	1	0	0	0	0	0
media sector	0	0	0	0	0	0
environmental advocacy groups	3	0	0	0	1	0
environmental consultants	1	0	1	1	2	0
authority of natural parks	6	1	0	0	0	0

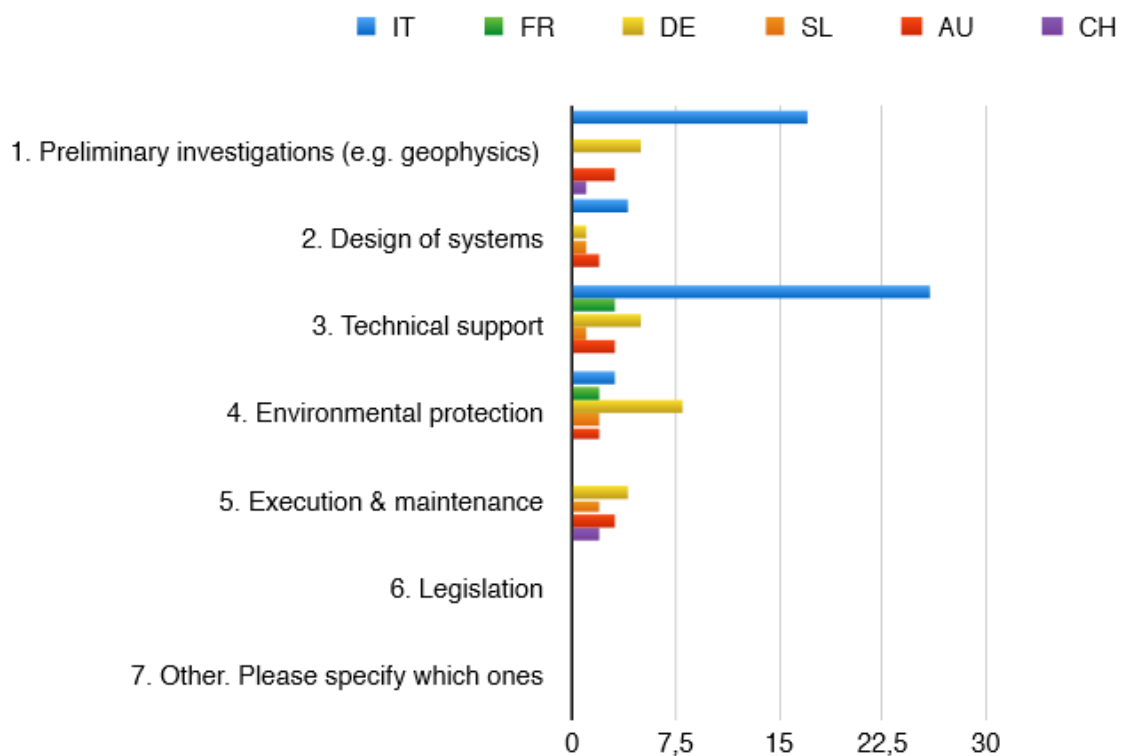
Question 4 - Which are the main domains or competences of your institution? Please tick not more than two answers	IT	FR	DE	SL	AU	CH
policy; regulation	17	0	5	0	3	1
economic; financial; investment	4	0	1	1	2	0
research and technical studies	26	3	5	1	3	0
public; social development	3	2	8	2	2	0
environmental advocacy	0	0	4	2	3	2



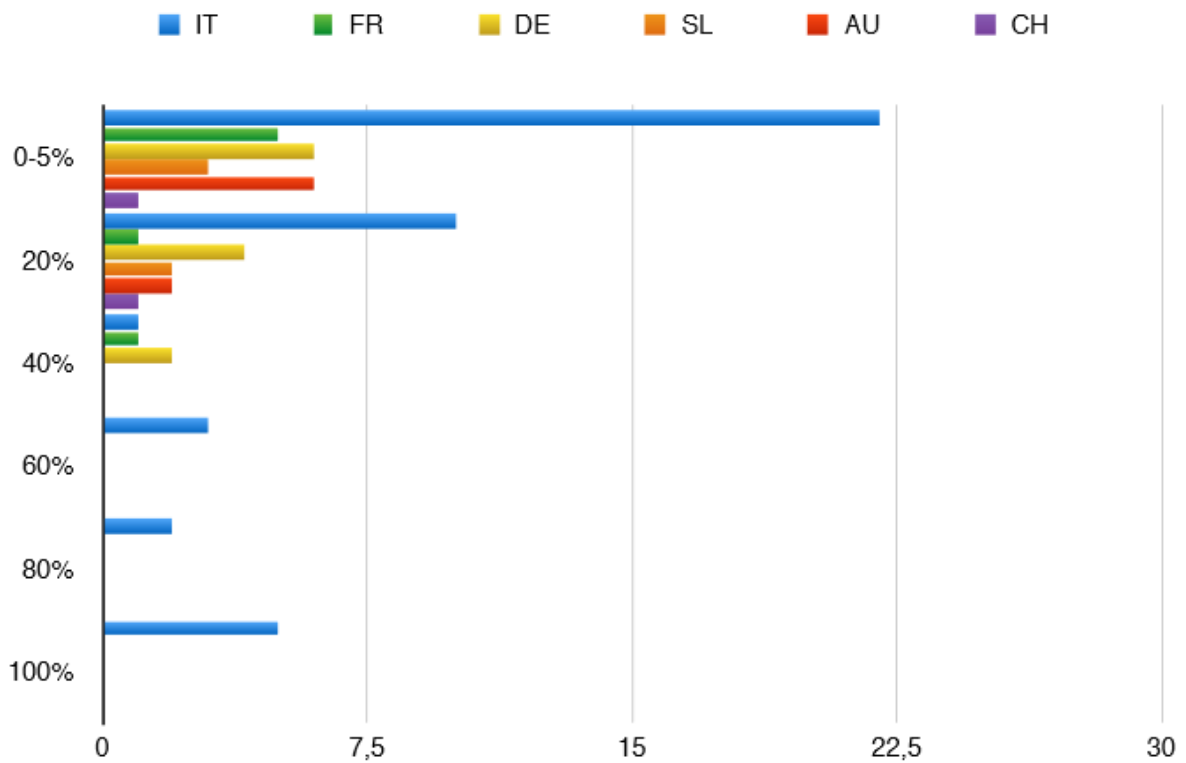
Question 5 - Is your Institution dealing with near surface geothermal energy? If not, why	IT	FR	DE	SL	AU	CH
yes	1	0	0	0	0	0
not enough technical competence	1	0	0	1	0	0
not enough economic resources	0	0	0	0	1	0
not enough research available	0	0	0	0	0	0
legislation still developing	2	1	0	0	1	0
potential of the market not yet investigated	1	0	2	1	0	0
our institution deals with a different field	4	0	0	0	0	0
other reason	33	7	11	3	6	2



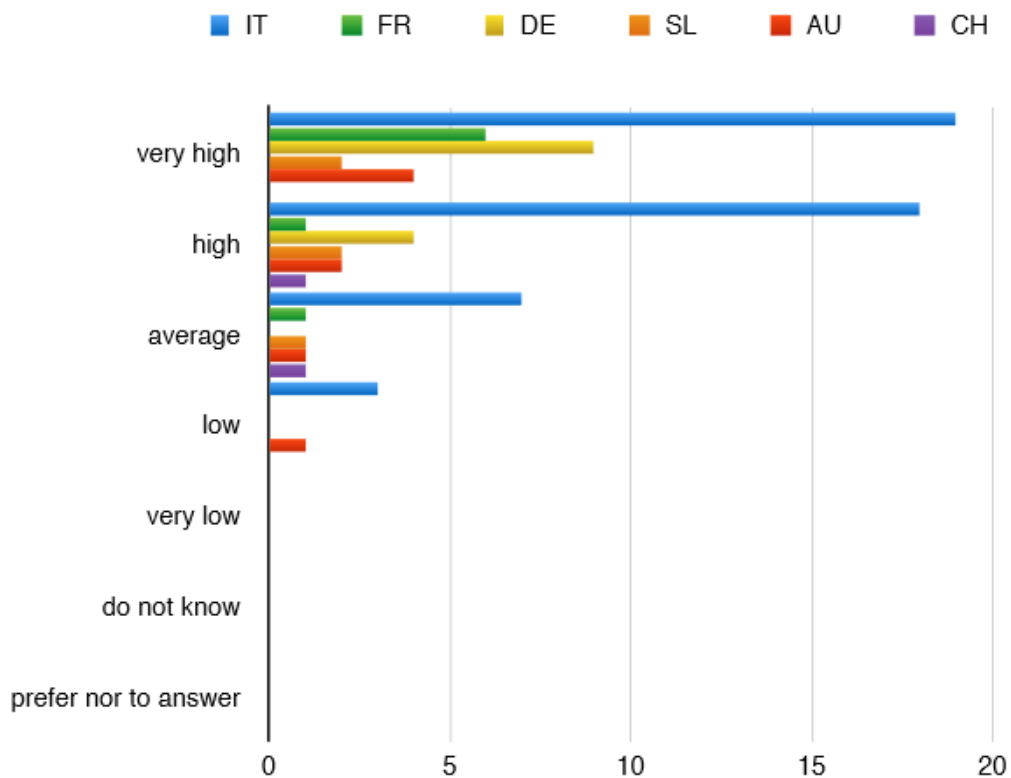
Question 6- Does your institution participate in any phase of near surface geothermal energy production? If yes, in which phase(s)? (You can indicate more than one).	IT	F R	DE	SL	A U	C H
1. Preliminary investigations (e.g. geophysics)	17	0	5	0	3	1
2. Design of systems	4	0	1	1	2	0
3. Technical support	26	3	5	1	3	0
4. Environmental protection	3	2	8	2	2	0
5. Execution & maintenance	0	0	4	2	3	2
6. Legislation	0	0	0	0	0	0
7. Other. Please specify which ones	0	0	0	0	0	0



Question 7. What percentage of your institution's activities relate to near surface geothermal energy?	IT	FR	DE	SL	AU	CH
0-5%	22	5	6	3	6	1
20%	10	1	4	2	2	1
40%	1	1	2	0	0	0
60%	3	0	0	0	0	0
80%	2	0	0	0	0	0
100%	5	0	0	0	0	0



Question 8 - What is the degree of interest in energy related subjects in general in your institution?	IT	FR	DE	SL	AU	CH
very high	19	6	9	2	4	0
high	18	1	4	2	2	1
average	7	1	0	1	1	1
low	3	0	0	0	1	0
very low	0	0	0	0	0	0
do not know	0	0	0	0	0	0
prefer nor to answer	0	0	0	0	0	0



Question 9 - What is the degree of interest in near surface geothermal energy in your institution?	IT	FR	DE	SL	AU	CH
very high	19	3	4	1	2	0
high	16	3	5	2	4	1
average	8	2	2	2	3	1
low	0	0	0	0	0	0
very low	0	0	0	0	1	0
do not know	0	0	1	0	0	0
prefer not to answer	0	0	0	0	0	0

