Supplementary Material B

Summary of the results of the demographic and descriptive analysis

Demographics																
	< 30		*30-40*		*40-50*		*> 50 years old*									
Q1. Age	29	0,1620	50	0,2793	41	0,2291	59	0,3296								
	Female		*Male*		*Other*											
Q2. Gender	93	0,5196	86	0,4805												
	Bachelor's		*Master's*		*PhD*											
Q3. Academic degree	32	0,1788	75	0,4190	72	0,4022										
	Geology		*Biology and Geology; Environmental Sciences; Env. Education*		*Geological Engineering/Mine Engineering*		*Biology*		*Geophysics; Meteorology; Oceanography; Physics*		*Geography; Aerospace Engineering*					
Q4. Degree area	125	0,6983	28	0,1564	8	0,0447	8	0,0447	6	0,0335	4	0,0224				
	Technician		*Higher education professor / Researcher*				*Elementary and secondary education teacher*		*Post graduation student*		*Other*					
			Higher education professor		*Researcher*						*Science communicator*		*Other*			
Q7. Professional role	50	0,2793	*36*	0,2011	30	0,1676	33	0,1844	20	0,1117	7	0,0391	3	0,0168		

Descriptive analysis						
Training						
	Yes		*No*			
Q10. Did you receive any training in communication?	38	0,2123	141	0,7877		
Q31. How willing would you be to attend training on communication with journalists and the public?	*Very willing*		*Moderately willing*		*Not willing at all*	
	95	0,5307	73	0,4078	11	0,0615
Communication practices - type of activities						
What kind of science communication activities do you usually promote?	*Never*		*Rarely*		*Often/Very often*	
Q11.1 Field trips	18	0,1006	45	0,2514	116	0,6480
Q11.2 Visits to museums	45	0,2514	71	0,3966	63	0,3520
Q11.3 Visits to science centres	46	0,2570	75	0,4190	58	0,3240
Q11.4 Visits to research institutions	46	0,2570	70	0,3911	63	0,3520
Q11.5 Workshops	19	0,1061	59	0,3296	101	0,5642
Q11.6 Exhibitions	35	0,1955	73	0,4078	71	0,3966
Q11.7 Public lectures	20	0,1117	60	0,3352	99	0,5531
Q11.8 Public debates / clarification Sessions	40	0,2235	81	0,4525	58	0,3240
Q11.9 Science showcases (exhibitions, fairs, …)	29	0,1620	69	0,3855	81	0,4525
Q11.10 Books	88	0,4916	65	0,3631	26	0,1453
Q11.11 Scientific papers	26	0,1453	42	0,2346	111	0,6201
Q11.12 Popular science news articles (= *dissemination articles*)	43	0,2402	65	0,3631	71	0,3966
Q11.13 Opinion articles	89	0,4972	59	0,3296	31	0,1732
Audiences						
What audience do you usually communicate with?	*Never*		*Rarely*		*Often/Very often*	
Q13.1 Journalist	87	0,4860	71	0,3966	21	0,1173
Q13.2 Science journalists	87	0,4860	82	0,4581	10	0,0559
Q13.3 Students	8	0,0447	22	0,1229	149	0,8324
Q13.4 Geosciences teachers	12	0,0670	26	0,1453	141	0,7877
Q13.5 Teachers (other fields)	23	0,1285	46	0,2570	110	0,6145
Q13.6 Geoscience technical professionals	18	0,1006	54	0,3017	107	0,5978

Q13.7 Technical professionals (other fields)	26	0,1453	78	0,4358	75	0,4190
Q13.8 Enterprises	42	0,2346	74	0,4134	63	0,3520
Q13.9 Researchers in Geosciences	13	0,0726	36	0,2011	130	0,7263
Q13.10 Researchers (other fields)	23	0,1285	80	0,4469	76	0,4246
Q13.11 Families	31	0,1732	59	0,3296	89	0,4972
Q13.12 Politicians	81	0,4525	69	0,3855	29	0,1620
Q13.13 NGOs	55	0,3073	80	0,4469	44	0,2458
Q13.14 Local communities	45	0,2514	63	0,3520	71	0,3966
Q13.15 'General public'	24	0,1341	58	0,3240	97	0,5419

Participatory contexts								
Have you performed any of the following science communication activities?	*Never*		*1 time*		*2-3 times*		*More than 4 times*	
Q19.1 Citizen Science Activity	120	0,6704	20	0,1117	14	0,0782	25	0,1397
Q19.2 Public clarification session	95	0,5307	26	0,1453	36	0,2011	22	0,1229
Q19.3 Debate with local communities	86	0,4804	27	0,1508	41	0,2291	25	0,1397
Q19.4 Focus groups	107	0,5978	24	0,1341	29	0,1620	19	0,1061

Self-perceived competence						
	Not prepared		*Moderately prepared*		*Well/very well prepared*	
Q30.1 Do you feel with the necessary skills to communicate science? *(=self-efficacy)*	10	0,0562	76	0,4270	92	0,5169
Q30.2 Do you feel prepared to communicate about the social and ethical implications of science?	44	0,2472	73	0,4101	61	0,3427

Goals						
What are your goals when you communicate science?	*Disagree*		*Moderately agree*		*Strongly agree*	
Q34.1 to make the *importance* of geosciences in everyday life known	1	0,0056	22	0,1229	156	0,8715
Q34.2 to show that geosciences are *interesting*	1	0,0056	47	0,2626	131	0,7318
Q34.3 to share my passion for geosciences (= *enthusiasm*)	18	0,1006	56	0,3128	105	0,5866
Q34.4 to ensure that the public is better *informed* about science and technology	2	0,0112	28	0,1564	149	0,8324
Q34.5 to enable citizens to make more *informed decisions*	0	0	29	0,1620	150	0,8380
Q34.6 to transmit the *science values*	6	0,0335	53	0,2961	120	0,6704
Q34.7 to support *decision makers*	38	0,2123	62	0,3464	79	0,4413

Q34.8 to know *public opinion* on geoscientific topics	12	0,06704	83	0,46369	84	0,46927
Q34.9 to make my work known *(= show work)*	33	0,1844	78	0,4358	68	0,3799
Q34.10 to contribute to *public debates* about science	16	0,0894	76	0,4246	87	0,4860
Q34.11 to know the *implication* of geosciences and of my work in citizens' life	13	0,0726	70	0,3911	96	0,5363
Q34.12 to *attract professionals* to my area	39	0,2179	91	0,5084	49	0,2737
Q34.13 to promote the public *image of my institution*	28	0,1564	77	0,4302	74	0,4134

Obstacles to science communication

What obstacles do you find in the science communication?	*Disagree*		*Moderately agree*		*Strongly agree*	
Q37.3 discomfort in communicating with lay audiences	113	0,6313	53	0,2961	13	0,0726
Q37.4 lack of preparation/training	78	0,4358	76	0,4246	25	0,1397
Q37.5 lack of public interest	64	0,3575	91	0,5084	24	0,1341
Q37.6 lack of public knowledge	70	0,3911	78	0,4358	31	0,1732
Q37.7 negative opinion by peers	102	0,5698	52	0,2905	25	0,1397

Perceived effectiveness of communication channels

Q42 List the most effective communication channels in science communication:

Video	104	0,5810
TV interview	98	0,5475
Social media post	96	0,5363
News in the media	88	0,4916
Public debate	86	0,4804
Popular science news article	75	0,4190
Interactive module	68	0,3799
Leaflet/brochure	59	0,3296
Book	57	0,3184
Panel	57	0,3184
Game	56	0,3128
Scientific paper	54	0,3017