Appendix C: Workplace (ENGLISH)

Oue	stion W1: What best describes your company / organisation?
Que	
(1)	☐ Public administration
(2)	☐ Private sector
(3)	☐ Industry
(4)	☐ Nature-based industry
(5)	☐ Independent research centre
(6)	☐ Education sector
(7)	☐ Higher education sector
(8)	☐ Non-governmental organization
(9)	☐ Other
Que	stion W2: Do you work in a small, medium or large company / organisation?
(1)	☐ Small (fewer than 20 employees)
(2)	☐ Medium (20-100 employees)
(3)	☐ Large (more than 100 employees)
Que	stion W3: Approximately what percentage of employees in the company / organisation
are (graduates in biology (biology is interpreted broadly, including veterinary medicine, natural
reso	urce management, etc.)
	G

Question W4: What kind of position do you have? You may select multiple fields	
(1) Management / Leadership	
(2) Research / scientific employee	
(3)	
(4) Administration / procedural	
(5) Technician / engineer	
(6) Sales	
(7) • Other:	
Question W5: Have you studied biology at the college or university level?	
(1) No, I have not studied biology	
(2) Yes, individual courses in biology	
(3)	
(4) Ses, Master of Science in biology	
(5) Yes, Ph.D. in biology	
Question W6: When your company / organisation hires new people, does the company	
particularly look for candidates who are biologists or who have biological competencies?	
(1)	
(2) No, the company does not announce positions specifically for biologists, but biologists may	
be relevant applicants	
Question W7: What sort of tasks do biologists perform in your company / organisation? Tick	
as many as appropriate	
(1) Data processing, analysis of data	

(2)	☐ Technical / laboratory w	ork					
(3)	☐ Taxonomy and species	knowledge					
(4)	☐ Teaching / presentation						
(5)	☐ Casework and investiga	ation					
(6)	☐ Research						
(7)	☐ Management						
(8)	☐ Sale						
(9)	☐ Other						
Que	stion W8: Are there other	tasks biolo	ogists perfo	orm at you	ur company	// busine:	SS?
0	otion MO: How insurant art	4b - f-II					ماد ماد ماد
	stion W9: How important	are the foil	owing for y	your com	oany / orga	nisation w	nen niring
DIOIO	gists?						
		1. Very	2. Unimportant	3. Neutral	4. Important	5. Very important	Don't know
		unimportant	Ommportant			important	
A:		_	_	_	_	_	_
	candidate graduated	(1)	(2)	(3)	(4)	(5)	(6)
	from						
B:	Grades on the	_			<u> </u>	_	_
	diploma	(1)	(2)	(3)	(4)	(5)	(6)

		1. Very	2.	 S. Very Neutral 4. Important 		5. Very	Don't know	
		unimportant	Unimportant	5. Neutrai	4. Important	important	DOITE KNOW	
C:	Work experience / training	(1) 🗖	(2)	(3)	(4)	(5)	(6)	
D:	Level of education (bachelor, master, Ph.D)	(1)	(2)	(3)	(4)	(5)	(6)	
E:	Offices and other voluntary activity	(1) 🗖	(2)	(3)	(4)	(5) 🗖	(6)	
F:	Expertise in one or more biological fields	(1) 🗖	(2)	(3)	(4)	(5) 🗖	(6)	
G:	General scientific education	(1) 🗖	(2)	(3)	(4)	(5)	(6)	

Question W10: How important is competencies in the areas given below for your company / organisation when hiring biological staff?

		1. Very unimportant	2. Unimportant	3. Neutral	4. Important	5 .Very important
A:	Application of biological methods	(1) 🗖	(2)	(3)	(4)	(5)
B:	Theoretical biological knowledge	(1) 🗖	(2)	(3)	(4)	(5)
C:	Ability to use biological knowledge in new contexts	(1) 🗖	(2)	(3)	(4)	(5)

Question W11: How important is it that biologists at your workplace have the following biological knowledge?

		1. Very unimportant	2. Unimportant	3. Neutral	4. Important	5. Very important
A:	Theory of evolution and natural history	(1) 🗖	(2)	(3)	(4)	(5)
B:	Ecological processes and patterns from the individual to the ecosystem level	(1) 🗖	(2)	(3)	(4)	(5)
C:	Matter and energy cycles in ecosystems	(1) 🗖	(2)	(3)	(4)	(5)
D:	Biological systems' structure and function	(1) 🗖	(2)	(3)	(4)	(5)
E:	Flow, exchange and storage of information, energy, and nutrition at the molecular level	(1) 🗖	(2)	(3)	(4)	(5)
F:	The scientific process	(1)	(2)	(3)	(4)	(5)
G:	Experience with modelling, simulation and data processing	(1) 🗖	(2)	(3)	(4)	(5)
H:	Species identification /	(1)	(2)	(3)	(4)	(5)

		1. Very unimportant	2. Unimportant	3. Neutral	4. Important	5. Very important				
l:	Natural science's role in society	(1)	(2)	(3)	(4)	(5)				
Question W12: How important is it that biologists in your company / organisation master the practical skills in the list below?										
		1. Very unimportant	2. Unimportant	3. Neutral	4. Important	5. Very important				
A:	General laboratory skills such as microscopy, pipetting, etc.	(1) 🗖	(2)	(3)	(4)	(5)				
B:	Subject-specific laboratory methods	(1) 🗖	(2)	(3)	(4)	(5)				
C:	Biological methods used in the field or on cruises	(1)	(2)	(3)	(4)	(5) 🗖				
D:	Practical skills in data processing / software /	(1) 🗖	(2)	(3)	(4)	(5) 🗖				

statistics

Questi	Question W13: How important are the following general competencies for your company /								
organi	sation when hiring biologi	cal staff?							
		1. Very unimportant	2. Unimportant	3. Neutral	4. Important	5. Very important			
A:	Presentation skills and communication	(1)	(2)	(3)	(4)	(5)			
B:	Collaboration abilities	(1)	(2)	(3)	(4)	(5)			
C:	Independence	(1)	(2)	(3)	(4)	(5)			
D:	Critical thinking and problem solving	(1)	(2)	(3)	(4)	(5)			
E:	Literacy	(1)	(2)	(3)	(4)	(5)			
F:	Learning ability	(1)	(2)	(3)	(4)	(5)			
G:	Numerical skills	(1) 🗖	(2)	(3)	(4)	(5)			
	i on W14: How important is mic and transferable skills	•	-	_	vledge relativ	e to general			
(1)	Biological expertise is mo	re importan	t						
(2)	Both are equally importan	t							
(3)	(3) General academic and transferable skills are more important								
Questi	i on W15: To what degree	does your	company / o	rganisation	expect biolog	gists to have			
the foll	lowing interdisciplinary co	mpetencie	es?						
		1. Very little	2. Quite little	3. Neutral	4. Quite much	5. Very much			
A:	Economy	(1)	(2)	(3)	(4)	(5)			

		1. Very little	2. Quite little	3. Neutral	4. Quite much	5. Very much
B:	Legal expertise	(1)	(2)	(3)	(4)	(5)
C:	Management	(1)	(2)	(3)	(4)	(5)
D:	IT knowledge / programming	(1) 🗖	(2)	(3)	(4)	(5)
E:	Project management and planning	(1) 🗖	(2)	(3)	(4)	(5)
F:	Pedagogical competence	(1) 🗖	(2)	(3)	(4)	(5)
G:	Foreign language skills	(1) 🗖	(2)	(3)	(4)	(5)
H:	Other natural sciences	(1)	(2)	(3)	(4)	(5)
l:	Social science	(1)	(2)	(3)	(4)	(5)

Question W16: If the following interdisciplinary competencies are important for biologists in your company / organisation, what is the most important source of this knowledge?

		Education	In-service courses	Work experience	Other	Not important for our company
						/ organisation
A:	Economy	(1)	(2)	(3)	(4)	(5)
B:	Legal expertise	(1)	(2)	(3)	(4)	(5)
C:	Management	(1)	(2)	(3)	(4)	(5)
D:	IT knowledge /	ωΠ	(a) D	(a) □	⇔ □	(C) 🗖
	programming	(1)	(2)	(3)	(4)	(5)

		Education	In-service courses	Work experience	Other	Not important for our company / organisation
E:	Project management and planning	(1) 🗖	(2)	(3)	(4)	(5)
F:	Pedagogical competence	(1) 🗖	(2)	(3)	(4)	(5)
G:	Foreign language skills	(1) 🗖	(2)	(3)	(4)	(5)
H:	Other natural sciences	(1) 🗖	(2)	(3)	(4)	(5)
I:	Social science	(1)	(2)	(3)	(4)	(5)
staff to	o have or learn in your co	mpany / org	ganisation?			

			
Ouest	ion W10: Montion briefly	what you think are the most important compo	tonoico o
Quest	ion w19: Mention briefly	y what you think are the most important compe	tericies a
biolog	ist can contribute with ir	n your company / organisation in terms of	
A:	Knowledge		
Λ.	Knowledge		
B:	Skills		
C:	General competence		

Question W20: Does your company / organisation collaborate with a biology education at a university or a college in any of the following ways?

		Yes	No	Don't know
A:	Biology students write / have written reports / essays related to our company / organisation	(1)	(2)	(3)
B:	Research collaboration with biology students or academic staff	(1) 🗖	(2)	(3)
C:	Contributed to the teaching in biology courses	(1) 🗖	(2)	(3)
D:	Company / organisation presentation (e.g. career's advice)	(1) 🗖	(2)	(3)
E:	Biology students have or have had internship / workplace practice with us	(1) 🗖	(2) 🗖	(3)

Quest	t ion W21: Has your comp	oany / org	ganisatio	n collabo	orated wi	th a biolo	gical ed	ucational
institu	tion in other ways?							
Quest	t ion W22: We are interes	ted in kn	owing m	iore abou	ıt your th	oughts re	egarding	internship /
	lace practice as part of a					J		•
Pleas	e respond regardless of	whether o	or not yo	ou have e	experienc	e with st	udents ii	n internship
/ work	place practice.							
		1. Strongly disagree	2. Disagree	3. Slightly disagree	4. Neutral	5. Slightly agree	6. Agree	7. Strongly agree
A:	Practice will make							
	students better	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	prepared to meet the	(-) —	(=) —	(8)	() —	(9) —	(0) —	(') —
	labour market							
B:	Practice will provide							
	students with							
	important skills that	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	they cannot acquire at							
	the university / college							
C:	Practice will give							
	students a better and	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	more relevant							

		1. Strongly 2 disagree	. Disagree	3. Slightly disagree	4. Neutral	5. Slightly agree	6. Agree	7. Strongly agree	
	understanding of their								
	theoretical knowledge								
D:	Practice will give								
	students more	(1)	(2)	(3)	(4)	(5) 🗖 ((6)	(7)	
	motivation to learn	(1)					(0)		
	biology								
E:	Practice during the								
	biology education will								
	come at the expense	🗖	🗖	(3)	(4)	(5)	(6)	(7)	
	of other important	(1)	(2)						
	learning at the								
	university / college								
Ouest	ion W23: To what exten	t do vou a	aree wit	th the fol	lowing st	atements	:7		
	e respond regardless of	-						n internsh	ir
	place practice.	wiletilei c	n Hot yo	u nave e	жрепепс	e with st	uuenis ii	ii iiileiiisii	·μ
/ WOIK	place practice.	1. Strongly	/				5	i. Strongly	
		disagree		sagree	3. Neutral	4. Agr		agree	
A:	A workplace practice								
	collaboration with a								
	college / university will				(3)	(4)	_	(5)	
	contribute with new	(1)	(2) 🗖			_		
	knowledge and								
	competence to the								

		1. Strongly disagree	2. Disagree	3. Neutral	4. Agree	5. Strongly agree
	company /					
	organisation					
B:	Students in workplace					
	practice is wrong use	(1)	(2)	(3)	(4)	(5)
	of resources					
C:	Students in workplace					
	practice allows us to		🗖	🗖	🗖	🗖
	liaise with potential	(1)	(2)	(3)	(4)	(5)
	employees					
Ques pract	ice?			ving biology	students in	workplace
Ques	stion W25: Is your compan	y / organisa	ation interest	ed in provid	ing input to t	he education
of bic	ologists?					
(1)	☐ Yes					
(2)	☐ No					
(3)	☐ Don't know					

Ques	stion W26: If you answered yes to the previous question, what types of input would your
com	pany / organisation wish to contribute with?
Ques	stion W27: Does your company / organisation hire biology students for summer jobs or
part	time jobs?
(1)	☐ Yes
(2)	□ No
(3)	☐ Don't know