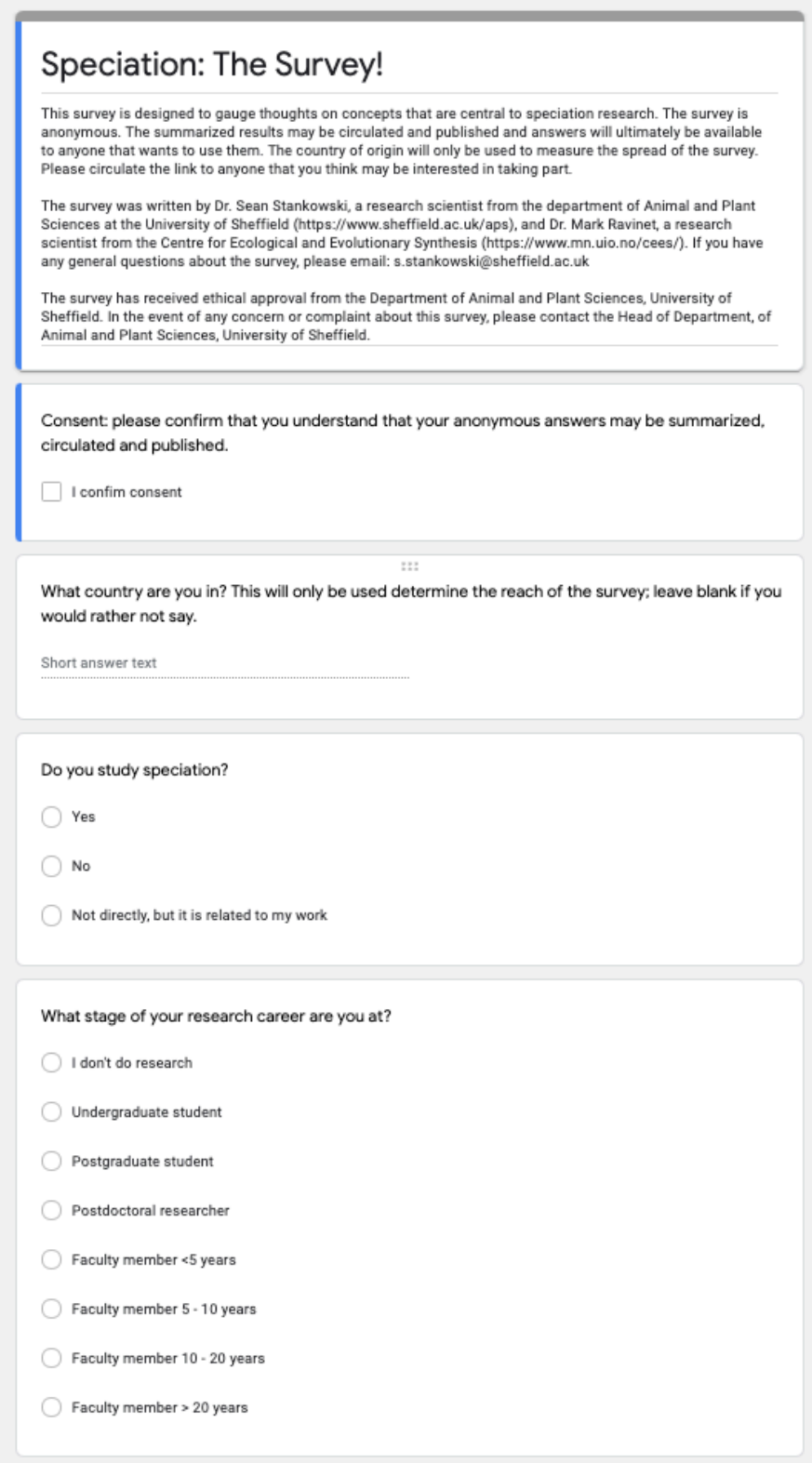
Survey questions

The following images show the survey form that was filled in by respondents.



Speciation: The Survey!

This survey is designed to gauge thoughts on concepts that are central to speciation research. The survey is anonymous. The summarized results may be circulated and published and answers will ultimately be available to anyone that wants to use them. The country of origin will only be used to measure the spread of the survey. Please circulate the link to anyone that you think may be interested in taking part.

The survey was written by Dr. Sean Stankowski, a research scientist from the department of Animal and Plant Sciences at the University of Sheffield (https://www.sheffield.ac.uk/aps), and Dr. Mark Ravinet, a research scientist from the Centre for Ecological and Evolutionary Synthesis (https://www.mn.uio.no/cees/). If you have any general questions about the survey, please email: s.stankowski@sheffield.ac.uk

The survey has received ethical approval from the Department of Animal and Plant Sciences, University of Sheffield. In the event of any concern or complaint about this survey, please contact the Head of Department, of Animal and Plant Sciences, University of Sheffield.

Consent: please confirm that you understand that your anonymous answers may be summarized, circulated and published.

☐ I confim consent

What country are you in? This will only be used determine the reach of the survey; leave blank if you would rather not say.

Short answer text

Do you study speciation?

○ Yes

○ No

○ Not directly, but it is related to my work

What stage of your research career are you at?

○ I don't do research

○ Undergraduate student

○ Postgraduate student

○ Postdoctoral researcher

○ Faculty member <5 years

○ Faculty member 5 - 10 years

○ Faculty member 10 - 20 years

○ Faculty member > 20 years

What is your primary training?

- ( ) Behavioral ecology
- ( ) Computer science
- ( ) Conservation
- ( ) Ecology
- ( ) Genetics/genomics
- ( ) Math
- ( ) Microbiology
- ( ) Molecular biology
- ( ) Palaeobiology
- ( ) Phylogenetics
- ( ) Philosophy
- ( ) Systematics
- ( ) Taxonomy
- ( ) Other...

Do you primarily study speciation at a macro- or microevolutionary scale?

- ( ) Macro
- ( ) Micro
- ( ) Both scales
- ( ) I'm not sure
- ( ) N/A

Does your work involve species delimitation?

- ( ) Yes
- ( ) No

What are your primary study systems (check multiple)?

- [ ] Microbial
- [ ] Plant
- [ ] Animal
- [ ] Theory
- [ ] N/A

What are the main taxa (e.g., genera, groups) have you worked on (if applicable)? If multiple, please list these chronologically separated by commas.

Short answer text

Do you use experimental evolution in your research?

- No
- Yes
- N/A

What is the primary species concept that you work with?

- Genotypic Cluster Species Concept (Mallet 1995): A distinguishable group of individuals that has few or n...
- Recognition Species Concept (Paterson 1985): The most inclusive population of individual biparental orga...
- Cohesion Species Concept (Templeton 1989): The most inclusive population of individuals having the pote...
- Ecological Species Concept (Van Valen 1976): A species is a lineage (or closely related set of lineages), w...
- Evolutionary Species Concept (Wiley 1978; Simpson 1961): A single lineage of ancestral descendant popul...
- Evolutionary Species Concept II (Barraclough 2019): An independently evolving group of organisms that is ...
- Biological Species Concept (Mayr 1995): Species are groups of interbreeding natural populations that are r...
- Relaxed Biological Species Concept (Coyne & Orr 2004): Species are groups of interbreeding natural popul...
- Phylogenetic Species Concept. e.g., (de Queiroz & Donoghue 1998): A species is the smallest (exclusive) ...
- Genealogical Species Concept (Baum and Donoghue 1995): A species is a basal, exclusive group of organi...
- I tend to follow the existing taxonomy for the group I work on rather than a specific concept.
- My favourite species concept isn't here!
- N/A

If the species concept that you work with was not listed above, what is it (provide a reference if possible)?

Long answer text

Has the species concept that you work with changed over time?

- Yes
- No
- N/A

In a sentence or two, what is reproductive isolation?

Long answer text

Briefly, When does speciation begin?

Long answer text

When does speciation end?

Long answer text

Have you referred to the 'speciation continuum' in your work?

- ○ Yes
- ○ No
- ○ I've never heard of the speciation continuum
- ○ N/A

Position on the speciation continuum informs us directly about (You can check multiple boxes)

- ☐ Time
- ☐ Progress of speciation
- ☐ Level of phenotypic divergence
- ☐ Level of genetic divergence
- ☐ Strength of reproductive isolation
- ☐ Level of ecological divergence
- ☐ I'm not sure

Do you think that the speciation continuum is a useful concept for helping us understand speciation?

- ○ Yes
- ○ No
- ○ I'm not sure

Please explain why you think the speciation continuum is/is not useful (or why you are not sure).

Long answer text