# Q1 Contact information is optional, and is collected to make further communication and collaboration possible. We will not disclose your personal data or any other personal data provided by you to us to any third party. If you provide your name, we will acknowledge your general contribution in the report and at GBIF.org

Answered: 24   Skipped: 0

Answer Choices	Responses	
Name	**91.67%**	22
Organisation/Affiliation	**100.00%**	24
Address	**0.00%**	0
Address 2	**0.00%**	0
City/Town	**0.00%**	0
State/Province	**0.00%**	0
ZIP/Postal Code	**0.00%**	0
Country	**100.00%**	24
E-mail address	**91.67%**	22
Phone Number	**0.00%**	0

Q2 Do you consider your organization commercial?

Answered: 24   Skipped: 0
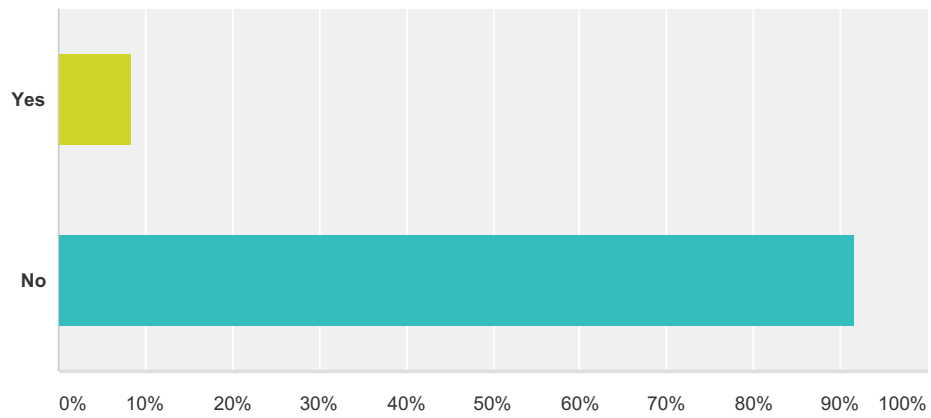
Answer Choices	Responses	
Yes	**8.33%**	2
No	**91.67%**	22
Total		**24**

Q3 What realms do you work in?

Answered: 24   Skipped: 0
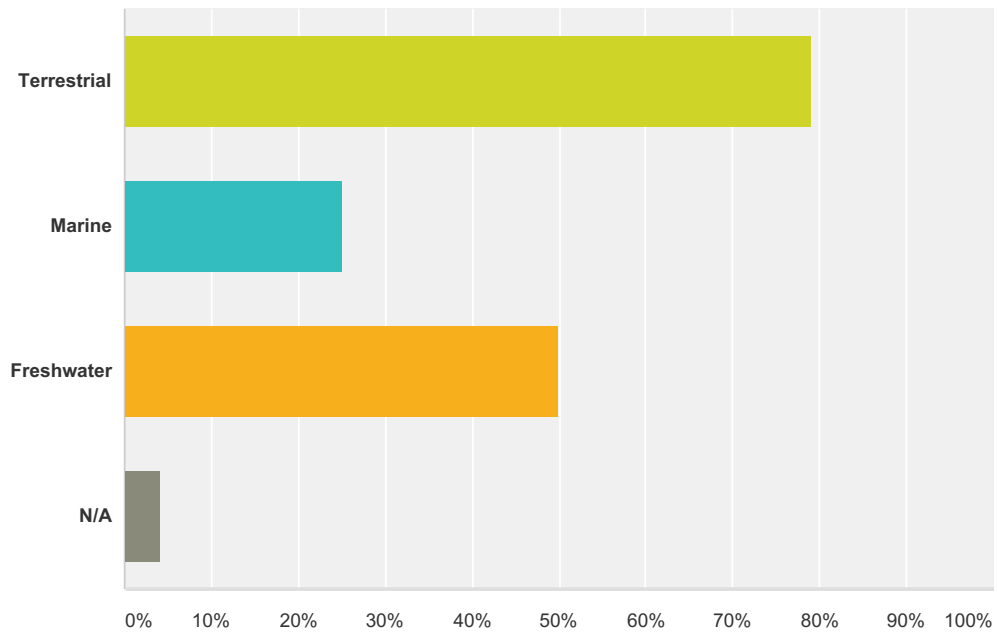
Answer Choices	Responses	
Terrestrial	**79.17%**	19
Marine	**25.00%**	6
Freshwater	**50.00%**	12
N/A	**4.17%**	1
Total Respondents: 24		

Q4 What is your disciplinary expertise?

Answered: 24   Skipped: 0
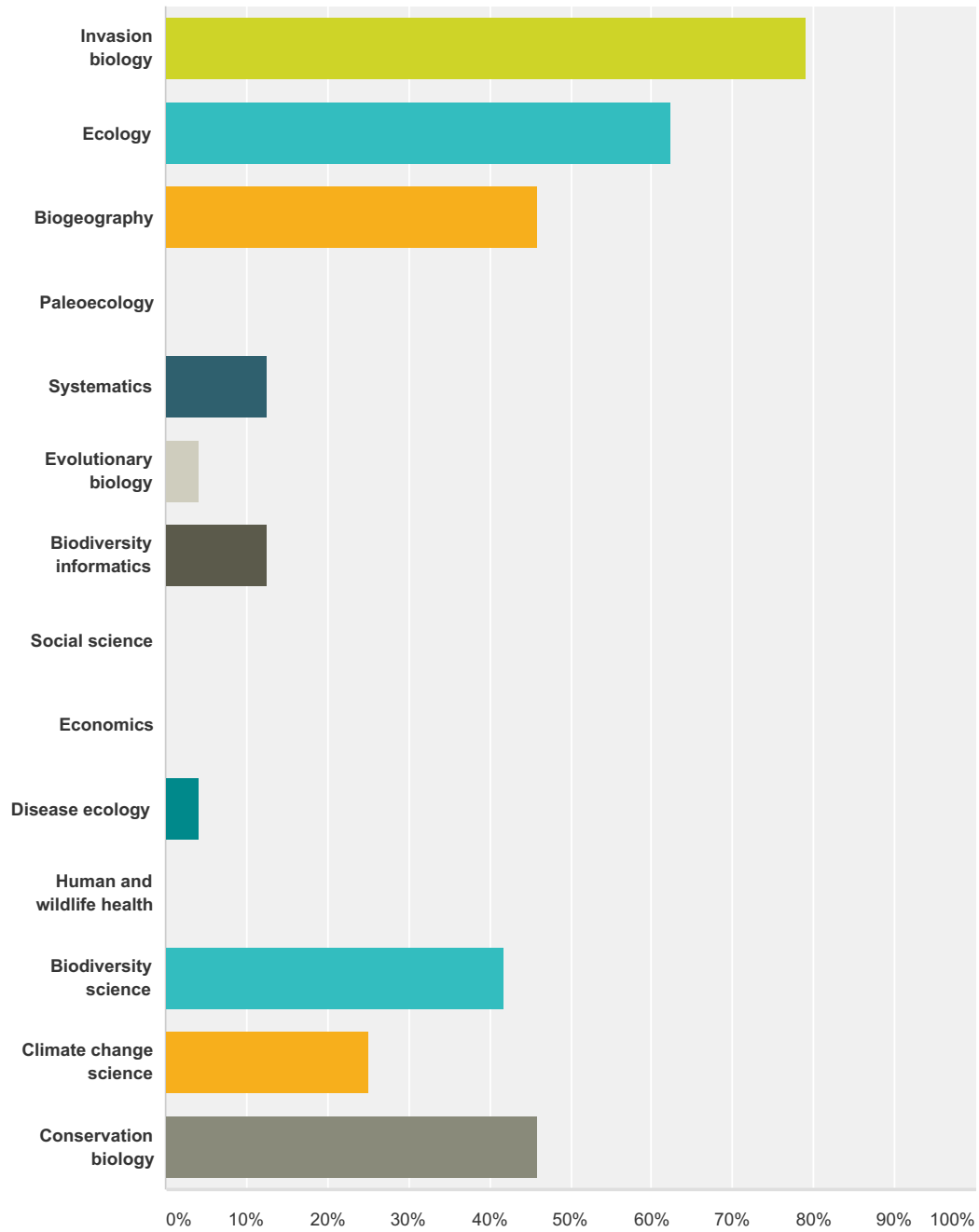
Answer Choices	Responses	
Invasion biology	**79.17%**	19
Ecology	**62.50%**	15
Biogeography	**45.83%**	11
Paleoecology	**0.00%**	0
Systematics	**12.50%**	3

Evolutionary biology	**4.17%**	1
Biodiversity informatics	**12.50%**	3
Social science	**0.00%**	0
Economics	**0.00%**	0
Disease ecology	**4.17%**	1
Human and wildlife health	**0.00%**	0
Biodiversity science	**41.67%**	10
Climate change science	**25.00%**	6
Conservation biology	**45.83%**	11
Total Respondents: 24		

GBIF survey of data use for research on alien and invasive species

Q5 Role

Answered: 24 Skipped: 0
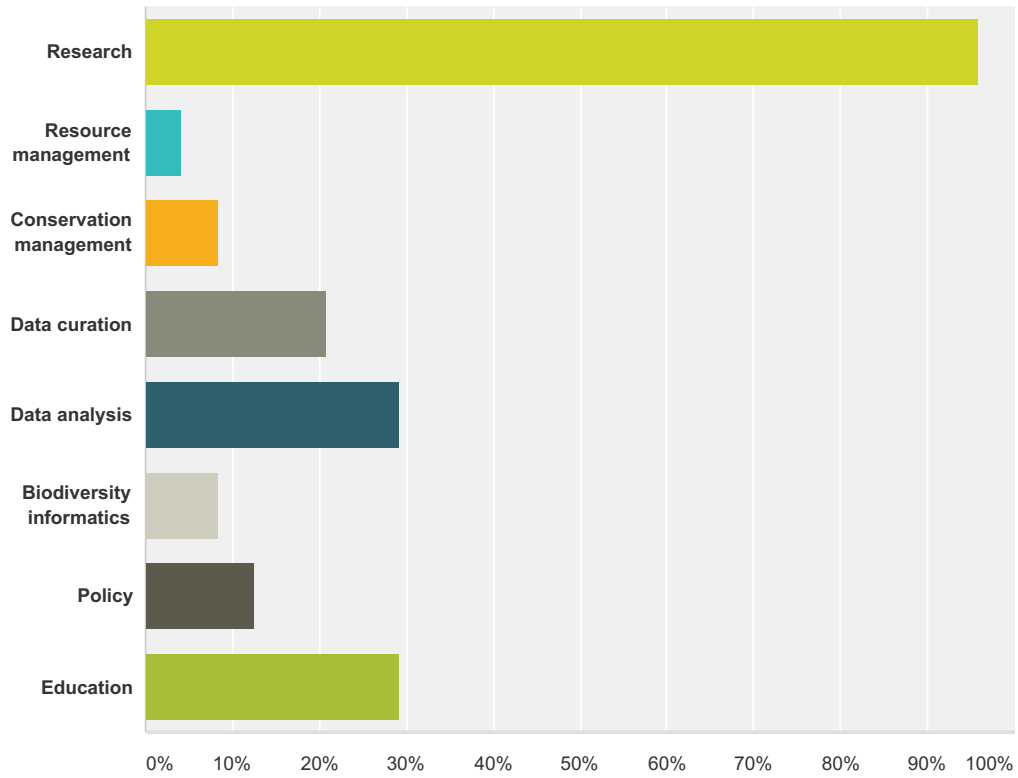
Answer Choices	Responses	
Research	**95.83%**	23
Resource management	**4.17%**	1
Conservation management	**8.33%**	2
Data curation	**20.83%**	5
Data analysis	**29.17%**	7
Biodiversity informatics	**8.33%**	2
Policy	**12.50%**	3
Education	**29.17%**	7
Total Respondents: 24		

Q6 What species groups do you work with?

Answered: 24   Skipped: 0
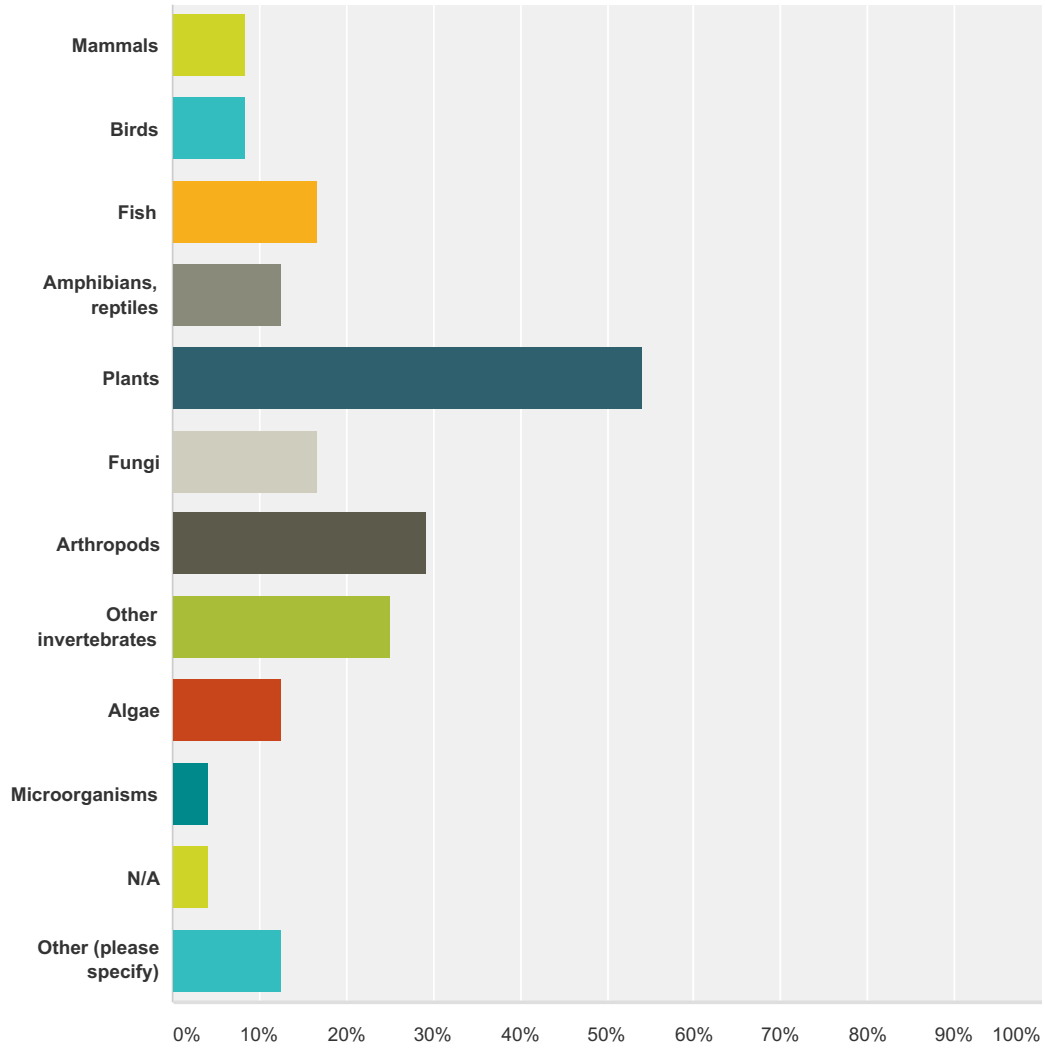
Answer Choices	Responses	
Mammals	**8.33%**	2
Birds	**8.33%**	2
Fish	**16.67%**	4
Amphibians, reptiles	**12.50%**	3
Plants	**54.17%**	13
Fungi	**16.67%**	4
Arthropods	**29.17%**	7
Other invertebrates	**25.00%**	6
Algae	**12.50%**	3
Microorganisms	**4.17%**	1

N/A	**4.17%**	1
Other (please specify)	**12.50%**	3
Total Respondents: 24		

Q7 How long have you been using GBIF resources?

Answered: 22   Skipped: 2
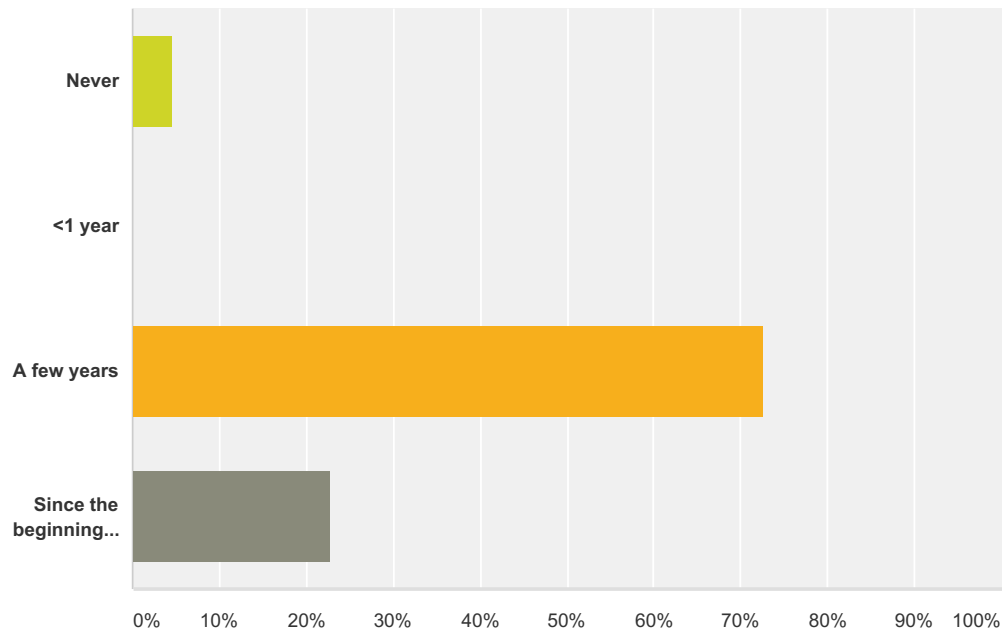
Answer Choices	Responses	
Never	**4.55%**	1
<1 year	**0.00%**	0
A few years	**72.73%**	16
Since the beginning (2001)	**22.73%**	5
Total		22

Q8 How regularly do you use GBIF?

Answered: 22 Skipped: 2
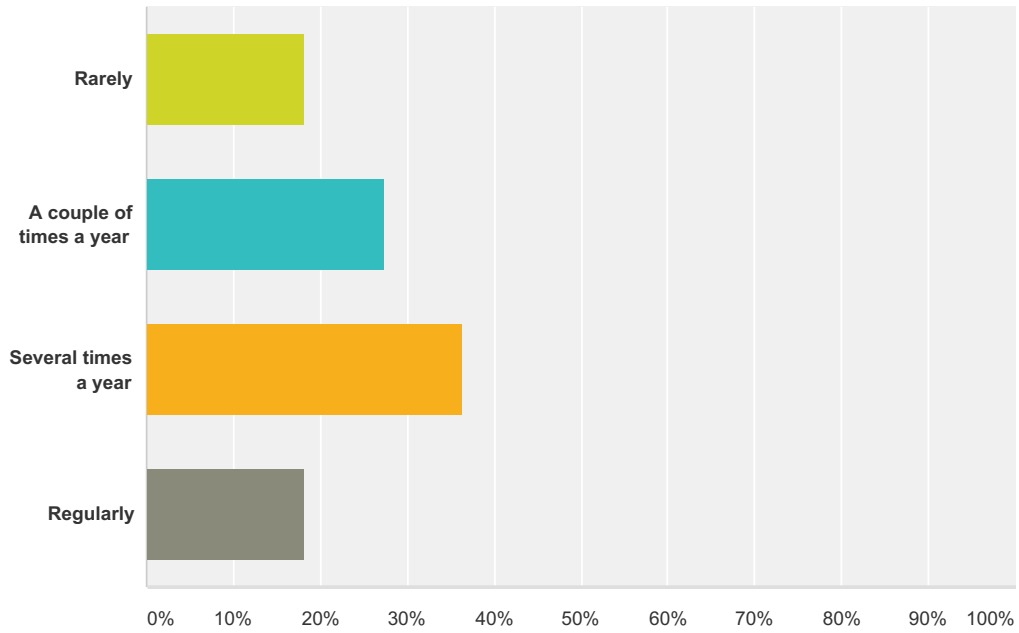
Answer Choices	Responses	
Rarely	**18.18%**	4
A couple of times a year	**27.27%**	6
Several times a year	**36.36%**	8
Regularly	**18.18%**	4
Total		**22**

Q9 How do you access GBIF-mediated data relevant to alien and invasive species? Check all that applies

Answered: 22   Skipped: 2
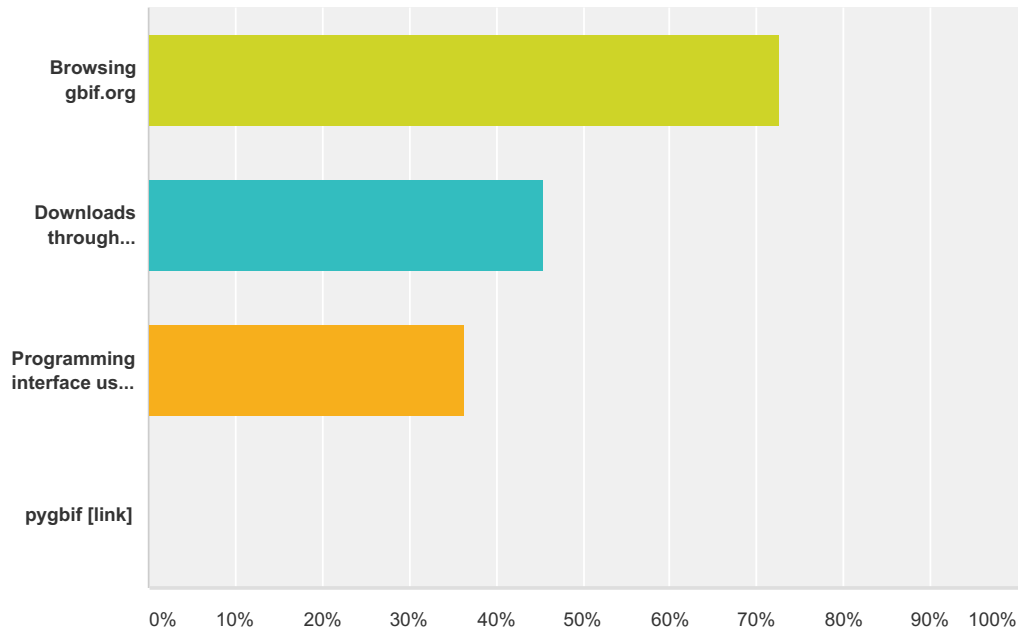
Answer Choices	Responses	
Browsing gbif.org	**72.73%**	16
Downloads through gbif.org	**45.45%**	10
Programming interface using R, e.g. rgbif library [link]	**36.36%**	8
pygbif [link]	**0.00%**	0
Total Respondents: 22		

Q10 For what purpose have you used GBIF-mediated data, and how useful were the data?
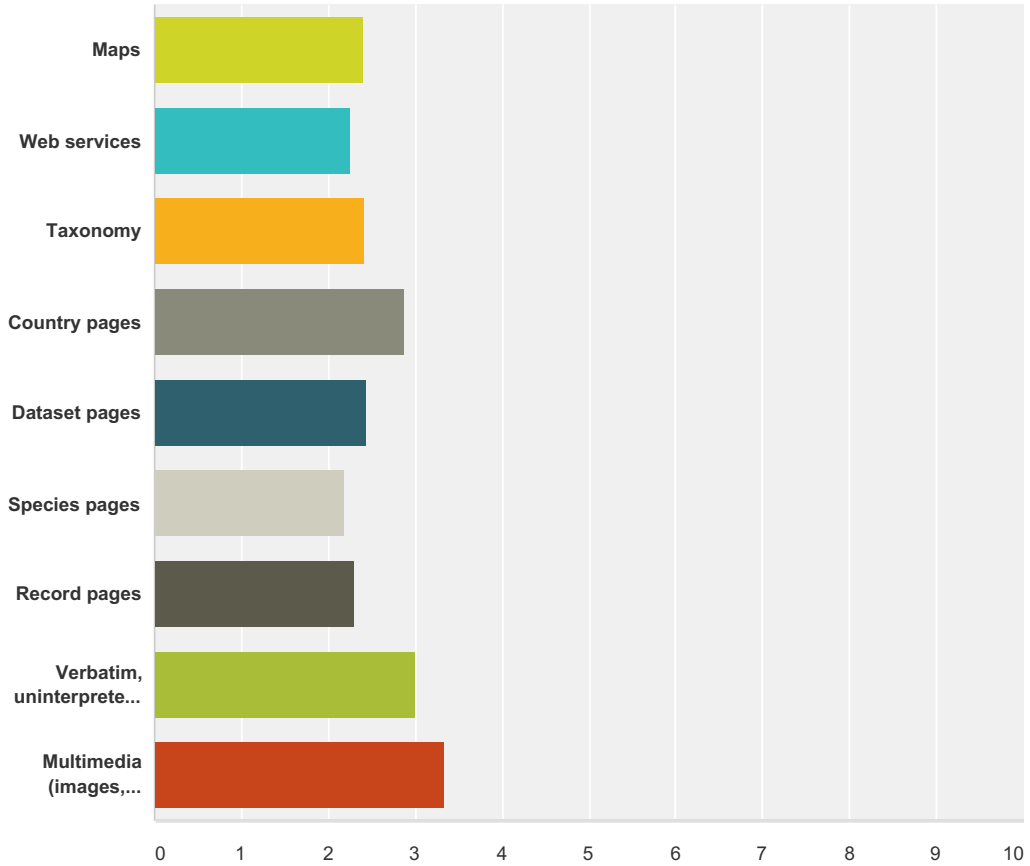
Answered: 22   Skipped: 2
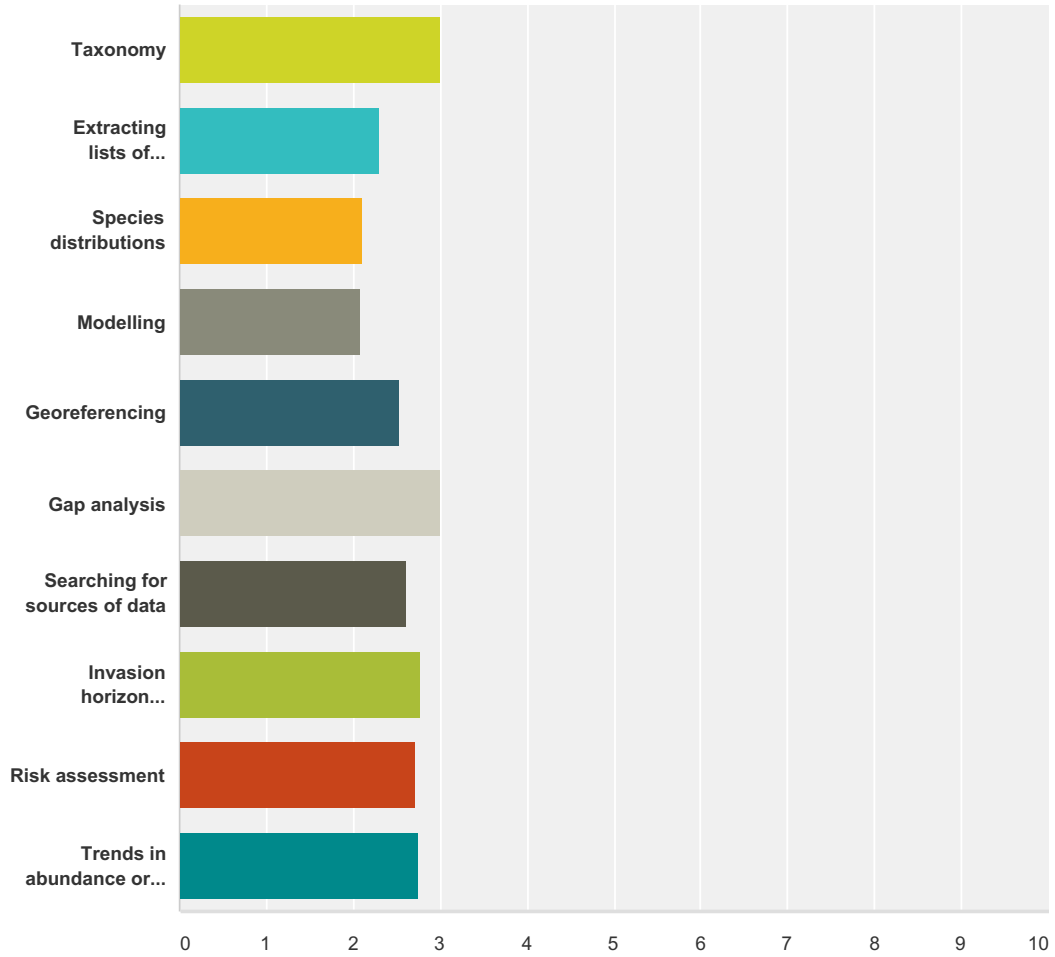
	Extremely useful	Very useful	Somewhat useful	Slightly useful	Not at all useful	N/A	Total	Weighted Average
Taxonomy	0.00% 0	22.73% 5	27.27% 6	13.64% 3	4.55% 1	31.82% 7	22	3.00
Extracting lists of species	9.09% 2	31.82% 7	18.18% 4	4.55% 1	0.00% 0	36.36% 8	22	2.29
Species distributions	36.36% 8	27.27% 6	18.18% 4	13.64% 3	0.00% 0	4.55% 1	22	2.10
Modelling	18.18% 4	31.82% 7	0.00% 0	4.55% 1	4.55% 1	40.91% 9	22	2.08
Georeferencing	9.09% 2	18.18% 4	36.36% 8	4.55% 1	0.00% 0	31.82% 7	22	2.53
Gap analysis	0.00% 0	13.64% 3	4.55% 1	13.64% 3	0.00% 0	68.18% 15	22	3.00

Searching for sources of data	**4.55%** 1	**27.27%** 6	**31.82%** 7	**0.00%** 0	**4.55%** 1	**31.82%** 7	22	2.60
Invasion horizon scanning	**4.55%** 1	**13.64%** 3	**9.09%** 2	**13.64%** 3	**0.00%** 0	**59.09%** 13	22	2.78
Risk assessment	**9.09%** 2	**18.18%** 4	**22.73%** 5	**9.09%** 2	**4.55%** 1	**36.36%** 8	22	2.71
Trends in abundance or distribution	**9.09%** 2	**9.09%** 2	**22.73%** 5	**13.64%** 3	**0.00%** 0	**45.45%** 10	22	2.75

Q11 Which features of GBIF (GBIF.org) are useful for your work on biological invasions?
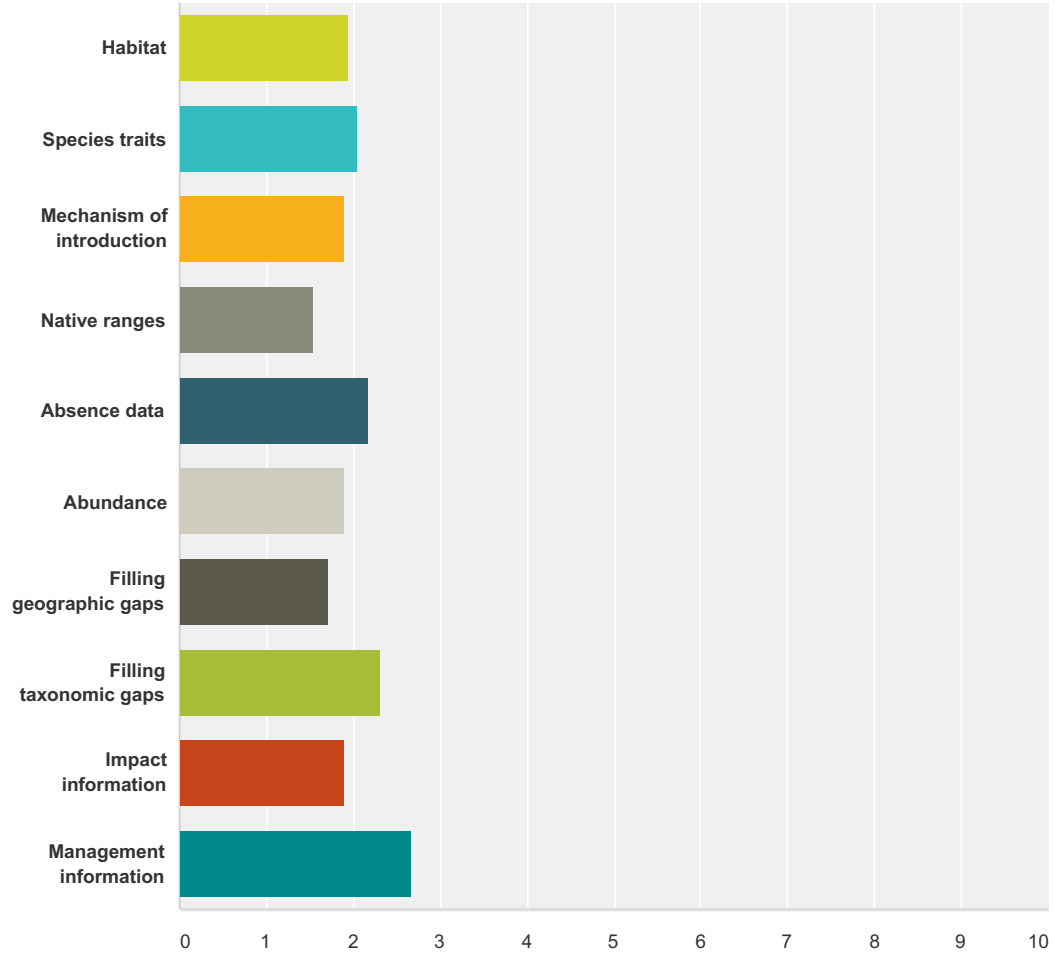
Answered: 22   Skipped: 2

	Extremely useful	Very useful	Somewhat useful	Slightly useful	Not at all useful	N/A	Total	Weighted Average
Maps	33.33% 7	9.52% 2	33.33% 7	19.05% 4	0.00% 0	4.76% 1	21	2.40
Web services	11.11% 2	27.78% 5	27.78% 5	0.00% 0	0.00% 0	33.33% 6	18	2.25
Taxonomy	15.79% 3	15.79% 3	36.84% 7	5.26% 1	0.00% 0	26.32% 5	19	2.43
Country pages	11.76% 2	5.88% 1	17.65% 3	11.76% 2	5.88% 1	47.06% 8	17	2.89
Dataset pages	11.76% 2	23.53% 4	23.53% 4	0.00% 0	5.88% 1	35.29% 6	17	2.45
Species pages	21.05% 4	36.84% 7	21.05% 4	0.00% 0	5.26% 1	15.79% 3	19	2.19
Record pages	22.22% 4	22.22% 4	27.78% 5	0.00% 0	5.56% 1	22.22% 4	18	2.29
Verbatim, uninterpreted data	0.00% 0	11.11% 2	16.67% 3	0.00% 0	5.56% 1	66.67% 12	18	3.00

Multimedia (images, sounds, video)	0.00% 0	5.56% 1	16.67% 3	5.56% 1	5.56% 1	66.67% 12	18	3.33

Q12 In which of the following areas would data improvements be most useful for research on biological invasions?

Answered: 22   Skipped: 2

	Extremely useful	Very useful	Somewhat useful	Slightly useful	Not at all useful	Total	Weighted Average
Habitat	**36.36%** 8	**31.82%** 7	**31.82%** 7	**0.00%** 0	**0.00%** 0	22	1.95
Species traits	**27.27%** 6	**45.45%** 10	**22.73%** 5	**4.55%** 1	**0.00%** 0	22	2.05
Mechanism of introduction	**40.91%** 9	**36.36%** 8	**13.64%** 3	**9.09%** 2	**0.00%** 0	22	1.91
Native ranges	**54.55%** 12	**36.36%** 8	**9.09%** 2	**0.00%** 0	**0.00%** 0	22	1.55
Absence data	**45.45%** 10	**13.64%** 3	**27.27%** 6	**4.55%** 1	**9.09%** 2	22	2.18
Abundance	**40.91%** 9	**27.27%** 6	**31.82%** 7	**0.00%** 0	**0.00%** 0	22	1.91
Filling geographic gaps	**52.38%** 11	**23.81%** 5	**23.81%** 5	**0.00%** 0	**0.00%** 0	21	1.71

Filling taxonomic gaps	**18.18%** 4	**36.36%** 8	**40.91%** 9	**4.55%** 1	**0.00%** 0	22	2.32
Impact information	**40.91%** 9	**40.91%** 9	**9.09%** 2	**4.55%** 1	**4.55%** 1	22	1.91
Management information	**13.64%** 3	**27.27%** 6	**40.91%** 9	**13.64%** 3	**4.55%** 1	22	2.68

Q13 Which other sources of information on biological invasions do you use?
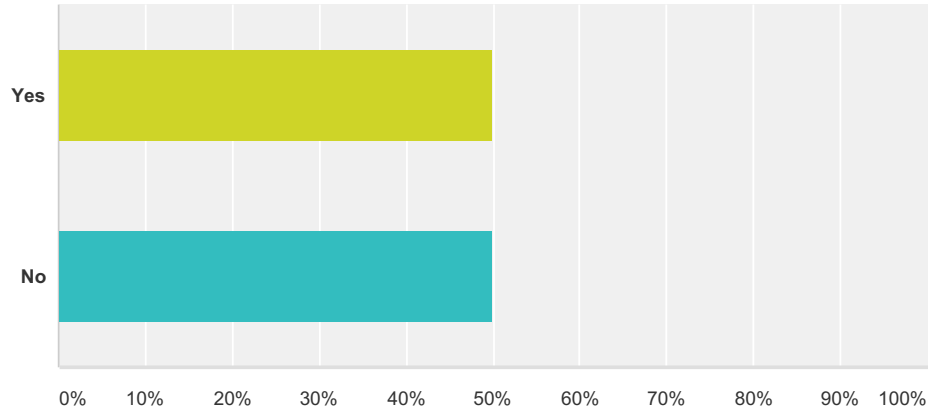
Answered: 22   Skipped: 2
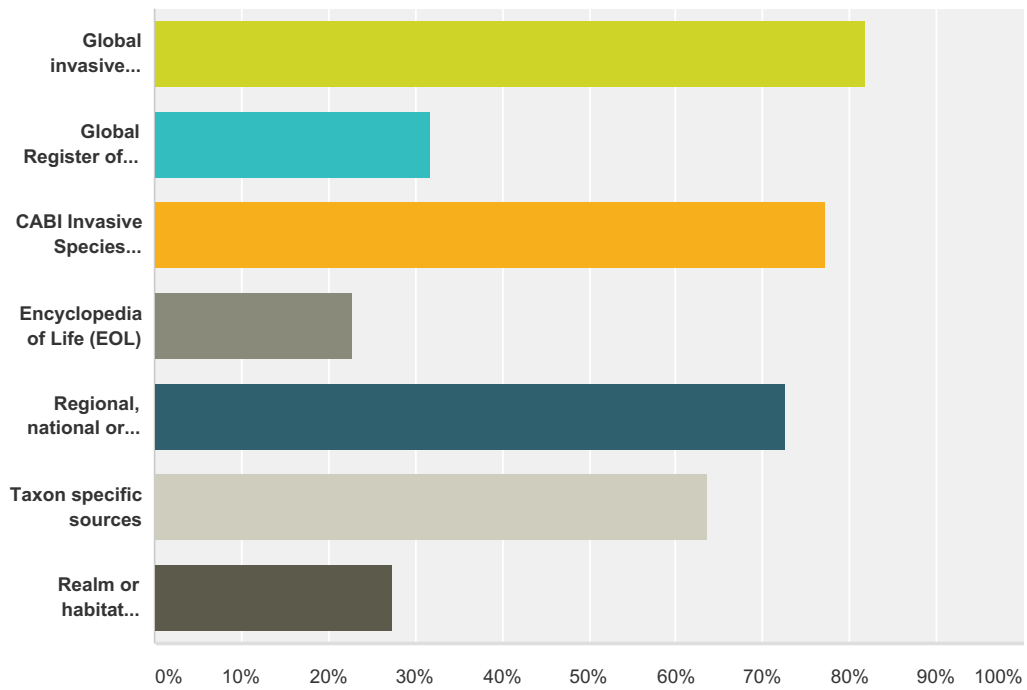
Answer Choices	Responses	
Global invasive species database (GISD)	**81.82%**	18
Global Register of Introduced Invasive Species (GRIIS)	**31.82%**	7
CABI Invasive Species Compendium	**77.27%**	17
Encyclopedia of Life (EOL)	**22.73%**	5
Regional, national or local sources	**72.73%**	16
Taxon specific sources	**63.64%**	14
Realm or habitat specific sources	**27.27%**	6
Total Respondents: 22		

Q14 What would incentivize more contributions of alien and invasive species data to GBIF?

Answered: 14   Skipped: 10

Q15 Are you aware of sources that would improve data coverage of alien and invasive species in GBIF?
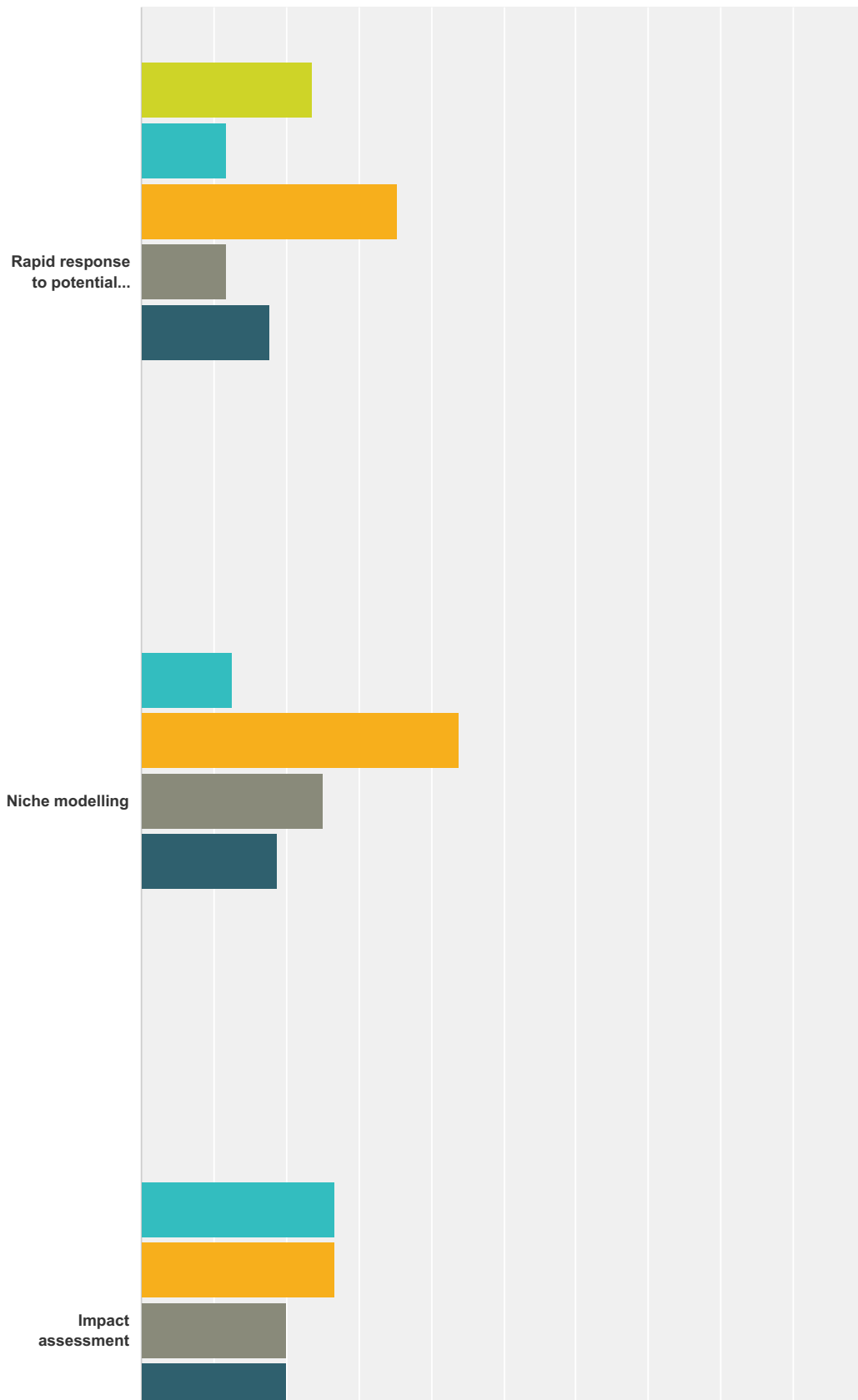
Answered: 22   Skipped: 2

Answer Choices	Responses	
Yes	**50.00%**	11
No	**50.00%**	11
Total		**22**

Q16 If so, please name the sources and provide links and contact information.
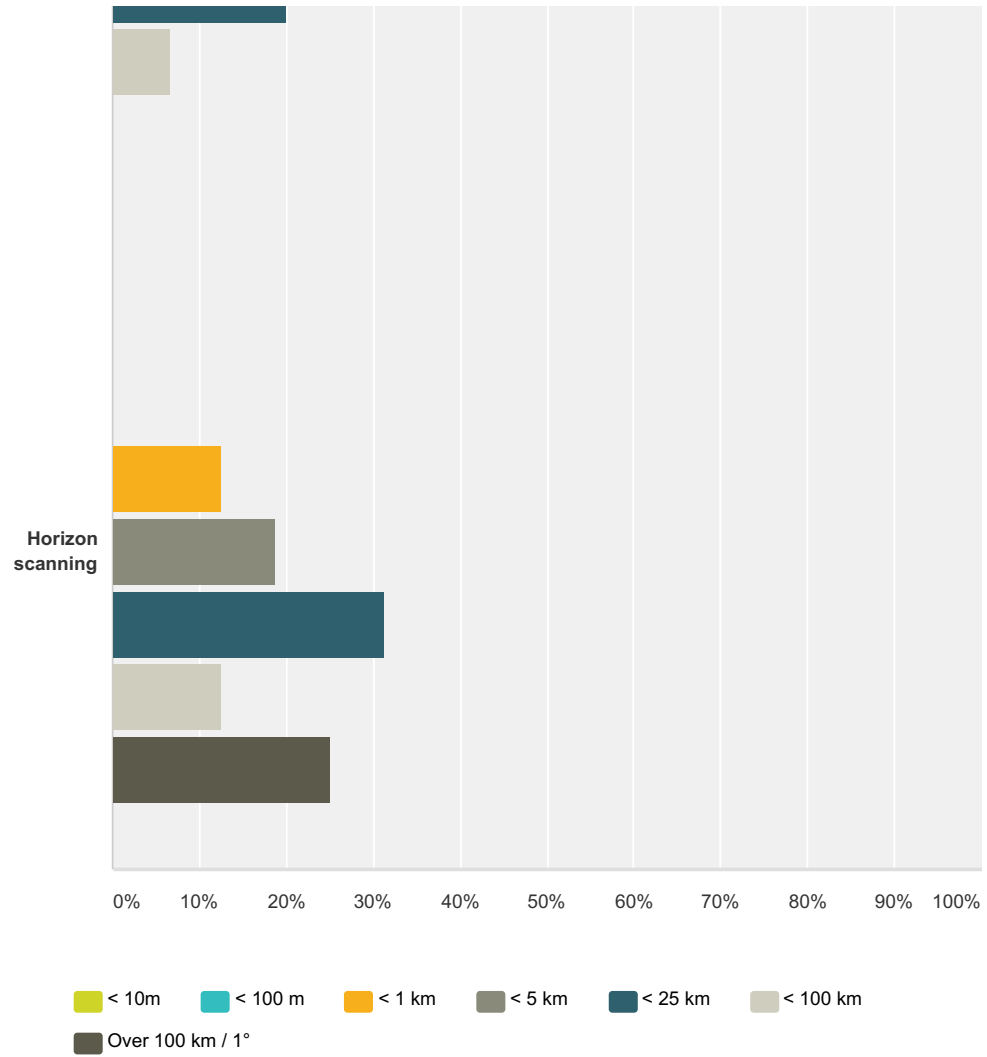
Answered: 10   Skipped: 14

Q17 What spatial resolution of data is most useful in the following categories?
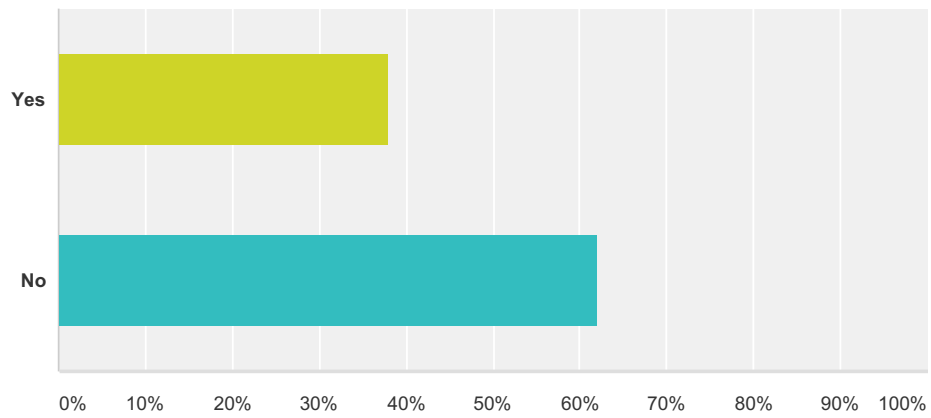
Answered: 17   Skipped: 7

GBIF survey of data use for research on alien and invasive species

Legend:
- < 10m
- < 100 m
- < 1 km
- < 5 km
- < 25 km
- < 100 km
- Over 100 km / 1°

	< 10m	< 100 m	< 1 km	< 5 km	< 25 km	< 100 km	Over 100 km / 1°	Total
Rapid response to potentially invasive species	**23.53%** 4	**11.76%** 2	**35.29%** 6	**11.76%** 2	**17.65%** 3	**0.00%** 0	**0.00%** 0	17
Niche modelling	**0.00%** 0	**12.50%** 2	**43.75%** 7	**25.00%** 4	**18.75%** 3	**0.00%** 0	**0.00%** 0	16
Impact assessment	**0.00%** 0	**26.67%** 4	**26.67%** 4	**20.00%** 3	**20.00%** 3	**6.67%** 1	**0.00%** 0	15
Horizon scanning	**0.00%** 0	**0.00%** 0	**12.50%** 2	**18.75%** 3	**31.25%** 5	**12.50%** 2	**25.00%** 4	16

Q18 Have you published any papers/reports that reference GBIF information or data?

Answered: 21   Skipped: 3

Answer Choices	Responses	
Yes	**38.10%**	8
No	**61.90%**	13
Total		**21**

Q19 If you answer yes to the above question, please provide the reference(s), using DOI, where available

Answered: 7   Skipped: 17

Q20 Please provide any additional recommendations on how GBIF can become more useful to alien and invasive species research and applications

Answered: 9   Skipped: 15