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Plastic detectives and wildlife guardians: impact of volunteers monitoring plastic pollution and wildlife on science, society, and nature

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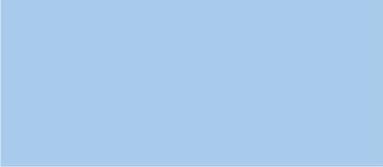
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Appendices

Appendix 3.1

Pre- and post-survey questions

All questions were mandatory, and it is specified in which survey the question was asked and when it was a single-choice question.

The following statements are about your motivation to participate in Clean Rivers. Per statement you can indicate to what extent it is a motivation for you to participate as a volunteer. *(pre- and post-survey)*

Likert scale: Totally disagree – disagree – neutral – agree – totally agree

I participate in Clean Rivers, ...

...because I am disturbed by the litter in nature and on the streets

...because I live(d) close by the Maas or the Waal

...because I like to recreate near or on the water

...because I like to volunteer

...because this way I can help to tackle the plastic soup

...because I am interested in the kinds of litter that is present in the rivers

...because I like to join a bigger movement to improve the world

...because I like to be outside

What is your most important motivation to participate in Clean Rivers? *(single choice, pre- and post-survey)*

- Because I am disturbed by the litter in nature and on the streets
- Because I live(d) close by the Maas or the Waal
- Because I like to recreate near or on the water
- Because I like to volunteer
- Because I am interested in the kinds of litter that is present in the rivers
- Because I like to join a bigger movement to improve the world
- Because I like to be outside
- Other reason, namely...*(open answer)*

As a river litter researcher you are going to collect data that will be used for scientific research. Per statement you can indicate to what extent it is a reason for you to fulfill the role as researcher in Clean Rivers. *(pre- and post-survey)*

Likert scale: Totally disagree – disagree – neutral – agree – totally agree

I want to become a river litter researcher, because...

...because I like to contribute to scientific research

...because I am interested in the performance of scientific research

...because I hope to learn about conducting scientific research

...because it would be fun to do scientific research

...because with the results litter can be tackled at the source

...because my contribution can help to force governments or companies to take measures against litter

...because it is important to collect as much information as possible about litter in the rivers

What is your most important motivation to become a river litter researcher? (*single choice, pre- and post-survey*)

- o Because I like to contribute to scientific research
- o Because I am interested in the performance of scientific research
- o Because I hope to learn about conducting scientific research
- o Because it would be fun to do scientific research
- o Because with the results litter can be tackled at the source
- o Because my contribution can help to force governments or companies to take measures against litter
- o Because this way I can help to tackle the plastic soup
- o Because it is important to collect as much information as possible about litter in the rivers
- o Other, namely... (*open answer*)

Below you will find a couple of statements regarding your attitude towards nature. Per statement you can indicate to what extent you agree or disagree. (*pre- and post-survey*)

Likert scale: Totally disagree – disagree – neutral – agree – totally agree

- My relationship to nature is an important part of who I am
- People have the right to use natural resources in any possible way
- I feel very connected to all living things and the earth
- I always think about how my actions affect the environment
- Conservation is unnecessary because nature is strong
- My ideal vacation spot would be a remote, wilderness area
- The thought of being deep in the woods, away from civilization, is frightening
- I enjoy being outdoors, even in unpleasant weather
- I don't mind if some plants- and animal species become extinct

Below you will find a couple of statements regarding your attitude towards natural science. With natural science we mean the knowledge of and research on nature and nature conservation. Per statement you can indicate to what extent you agree or disagree. (*pre- and post-survey*)

Likert scale: Totally disagree – disagree – neutral – agree – totally agree

- I actively seek out stories about natural science in the news.
- I am likely to attend a lecture or course about natural science
- I am knowledgeable about natural science
- I use knowledge of natural science to evaluate claims made about natural science
- I pay attention if a natural science news item crops up in a media source I am already following
- I use knowledge of natural science in everyday life
- I am interested in news about natural science
- I am interested in science

Below you will find a couple of statements. Give yourself a grade per topic that represents your knowledge about that topic. Grade 1 means very little knowledge and a 10 a lot of knowledge. A 6 or higher is sufficient. (*pre- and post-survey*)

- Causes of litter
- Consequences of litter for nature
- The extent of pollution by litter in the Netherlands
- Ways to act sustainable in daily life (*post-survey 2020 and 2021*)
- The OSPAR-declaration
- The process of a scientific research
- The use of protocols (like observation schedules and tally sheets) during scientific research

What is your gender? (*single choice, pre-survey*)

- o Male
- o Female
- o Other

What is your year of birth? (*open question, pre-survey*)

What is your highest level of education? (*single choice, pre-survey*)

- o None
- o Primary school
- o VMBO (*secondary school*)
- o HAVO (*secondary school*)
- o VWO (*secondary school*)
- o MBO (*vocational training*)
- o HBO (*university of applied sciences*)
- o WO (*research university*)
- o Other, namely...

Appendix 3.2

Dataset 2017–2021.

DOI: <https://doi.org/10.5334/cstp.667.s2>

Appendix 3.3

Data analysis report.

DOI: <https://doi.org/10.5334/cstp.667.s3>

Appendix 3.4

Conditional independence networks: motivation, attitude, and knowledge.

DOI: <https://doi.org/10.5334/cstp.667.s4>

Appendix 4.1

Interview protocol

I. Organization

1. When was [organization name] founded?
 - a. By whom?
 - b. What was the purpose of founding [organization name]?
2. When did you become involved with [organization name]?
 - a. Why did you become involved?
3. Approximately how many people work there now?
 - a. Paid?
 - b. Volunteers?
 - c. Is the number sufficient?

II. Volunteers

1. How are tasks divided between paid staff and volunteers?
2. What are the responsibilities of volunteers?
3. What do you see or hear as the main motivation for volunteers?

III. Communication

1. How do you communicate about your work to the public?
 - a. Membership booklet
 - b. Website
 - c. Newsletter
 - d. Social Media
 - e. Newspaper
2. Why do you do this?
3. What topics do you communicate about?
4. What message would you most like to convey to the public?
5. How do you experience the communication with the public?

IV. Data Collection

1. What kind of data do you collect regarding the animals you rescue?
 - a. Species
 - b. Gender
 - c. Age
 - d. Location
 - e. Reason for rescue
 - f. Treatment
 - g. Outcome
 - h. Ring number
 - i. Any other data not listed?

2. Who collects the data?
3. Why do you collect this data?
4. How is this data recorded?
 - a. On paper
 - b. Digitally
 - c. What system?
5. How many years of data do you have?
 - a. On paper
 - b. Digitally
6. How accurate is the data being kept?
 - a. For example, species name
 - b. Is the reason for rescue accurately determined?
 - c. Location?
7. Does anyone check the data?
8. How do you find the process of collecting data?
 - a. What's going well?
 - b. Challenges?

V. Data Feedback

1. What happens with this data?
2. Do you use the data yourselves?
3. Is there anything notable about your data?
4. Would you like to know more about the data you collect?
5. Do you share the data with others?
 - a. Volunteers
 - b. Policymakers (municipalities/provinces/ministries)
 - c. Other wildlife rehabilitation centers
 - d. Other organizations (water boards, etc.)
 - e. Researchers
 - f. Public
6. How is this data shared?
7. When is this data shared?
8. How is it received?
9. How do you find the process of giving feedback on the data?
 - a. What's going well?
 - b. Challenges?
10. With whom would you like to share the data?
 - a. Why?

Appendix 4.2

Overview of interviewees, the centers they represent, their founding year, the number of volunteers, the interviewees' role(s), the province, location and specialisation.

Center	Founded	Volunteers	Role interviewee(s)	Province	Location*	Animals
Avolare	2018	>50	Coordinator and founder	Overijssel	Urban	Wildlife
Das & Boom	1981	0-50	Coordinator	Gelderland	Urban	Badgers
De Fûgelhelling	1975	>50	Coordinator	Friesland	Rural	Wildlife
Ecomare	1952	0-50	Rehabilitation coordinator	North Holland	Rural	Marine mammals and birds
Egelopvang Den Haag	1988	<50	Senior volunteer	South Holland	Urban	Hedgehogs
Egelopvang Roosendaal	1999	0-50	Founder and coordinator	North Brabant	Rural	Hedgehogs
Ooievaars buitenstation De Lokkerij Reestdal	1981	0-50	Founder and coordinator	Drenthe	Rural	Storks
SOS Dolfin	2004	>50	Coordinator and research manager	North Holland	Rural	Marine mammals
Vogelasiel Bergen	1997	0-50	Coordinator	Limburg	Rural	Wildlife
Vogelziekenhuis Haarlem	1956	>50	Coordinator	North Holland	Urban	Birds
Vogelkлас Karel Schot	1980	>100	Chairman of the board	South Holland	Urban	Wildlife
Vogel- en zoogdieropvang De Mikke	1983	0-50	Founder, coordinator and senior caretaker	Zeeland	Rural	Wildlife
Vogelrevalidatiecentrum Zundert	1980	>50	Coordinator	North Brabant	Rural	Wildlife

*Urban when located within ten kilometers from a city with more than 100,000 inhabitants

Appendix 4.3

Interview codebook containing themes and codes, derived from thirteen qualitative interviews with wildlife rehabilitation centers' representatives.

Theme 1: Organization

Code	Description
Paid employees	When the rehabilitation center employs paid staff, referring to the number of employees and/or their tasks. It can also include plans for expansion or wishes for more paid employees in the future.
Finances	If current and future financial matters are discussed, such as funds to finance specific needs, where the money comes from, and what it's needed for. This also includes when the public believes that rehabilitation centers only have paid employees.
Motivation senior	About the motivation and reasons of the interviewees for being active at the rehabilitation center, either as volunteers and/or paid staff.
Founding and aim	Information about the founding of the rehabilitation center, including the reasons and general focus. This can include details like the year it was established, the location, and the types of animals they care for. It can also refer to the overall purpose of the center, such as both rehabilitation and education, and specific decisions they make, like choosing not to name the animals.
Collaborations	About collaborations with external organizations and initiatives, such as other municipalities, rehabilitation centers, veterinarians, park rangers, and animal ambulances. This includes which organizations they work with, the extent of the collaboration, and their experiences and challenges. For collaborations related to knowledge exchange and research: for future plans, see theme 5, code collaborations.
Future rehabilitation	When discussing wishes or challenges for the future of the organization, such as tasks, staffing of paid employees, collaborations, and also data collection.
Circumstances	Regarding the effects of COVID-19, avian flu, and invasive species on the organization, including educational activities and other interactions with the public. This does not refer to the impact of COVID-19 and avian flu on research.

Theme 2: Volunteers

Code	Description
Number of volunteers	The number of volunteers an organization has, including caretakers, education volunteers, and external volunteers (e.g. people with outdoor hedgehog enclosures).
Availability and retention	When there are enough volunteers or a shortage of volunteers, as well as discussions about why volunteers stop or how long they remain active.
Motivation	About the reason(s) why people volunteer at the organization, which can also include desired motivations.
Tasks	On the division of tasks, the responsibilities of the volunteers, and the types of volunteers, such as educational staff.

Theme 3: Communication and education

Code	Description
Best practices	When something goes well in terms of communication and education, such as reaching many people or leading to donations.

Code	Description
Events and open days	About special open days or other occasions when people can visit the rehabilitation center.
Goal and style	About the purpose of the communication and education efforts of a center, the key messages they want to convey to the public. This can also include the manner or style of communication (e.g., positively critical).
Platform	Through which medium they communicate with the public, such as television, radio, social media, website, booklets for donors, or school visits.
Challenge	Challenges in communicating with the public.

Theme 4: Data collection

Code	Description
Purpose	When a reason for collecting data on the animals is mentioned, such as for care, finances, or research.
Availability	How many years of data are still available. This might not always be an exact year but rather an indication, such as data from many years ago.
Quality	When the accuracy and completeness of the collected data are discussed and whether this is considered important, for example, for releasing animals. This could also include parties that determine data quality, such as animal ambulances.
Type	Which data are recorded, such as location of discovery, date, cause, specific details, and chip number.
System	How the data is recorded, such as on paper or digitally, and which programs or tools are used. It can also include wishes for modifications to the current system or for a new system. Does not refer to old systems, which may relate to the code: 'Availability.'

Theme 5: Data usage

Code	Description
Trends in animal intake	About the number of animals taken in per year, any increases or decreases, possible explanations for growth or decline, and potential implications.
Internal use	When a rehabilitation center conducts research using its data for internal purposes, for example, to improve success rates.
Research ideas	When ideas are shared about how the data or deceased animals could be used for research. For example, research on success rates, identifying diseases like avian flu, or the impact of weather conditions.
Cause of admission	About the reasons why animals end up in a rehabilitation center.
Notable observations	When it concerns specific insights based on the data about the animals they care for. If it relates to the number of animals, it belongs to code: 'Trends in animal intake.'
Collaborations	About collaborations for knowledge exchange and research on treatment methods, data, and diseases, such as partnerships and knowledge sharing with foreign rehabilitation centers, working groups, bird banders, and other knowledgeable parties. This also includes reporting and exchanging banding data (in the Griel database).
Feedback	About whether feedback is received from researchers, students, and government organizations with whom data or deceased animals are shared. It can also concern wishes or experiences regarding the format or content of the feedback.

Code	Description
Challenge	When challenges in conducting research are discussed, such as a lack of manpower, funding, or knowledge.
Animal release	When it concerns the release of animals, the reasoning behind the choice of a specific release location, and any data that are important for this decision.

Appendix 4.4

Quantitative survey design

Thank you very much for completing this questionnaire. Thanks to your contribution, we will learn more about the volunteers at Dutch wildlife rehabilitation centers, which include centers for all wildlife (such as birds and hedgehogs). We are curious to know who works there, why, and how volunteers look at the animal data the centers collect. This questionnaire consists of three categories: Motivation, Research, and Profile, and completion takes about 10 minutes.

The questionnaire is completely anonymous. Your name cannot be traced.

- *Only the researchers make use of the completed information.*
- *You can stop completing the questionnaire at any time.*
- *The summary of the results will be shared with all rehabilitation centers.*

- o I agree to the processing of the data I fill in.

This research is conducted by [authors' organization]. If you have any questions about this research, please contact [author name] at [author email address].

Part 1:

Motivation

Here are some questions about your experience and motivation as a volunteer at a wildlife rehabilitation center.

Q1 What is the name of the wildlife rehabilitation center where you volunteer? Please be as specific as possible.

If you volunteer at several centers, please choose the one you have the most experience with.

Q2 What tasks do you have at your center?

Multiple answers possible.

- o Answering the phone
- o Taking care of animals (intake, care, feeding, cleaning)
- o Maintaining social media
- o Coordinating
- o Giving guest lessons

- o Showing visitors around
- o Other, namely: _____

Q3 How many years of experience (estimated) do you have as a volunteer in wildlife rehabilitation?

Q4 On average, how many hours per week (estimated) do you work for your current center?

Q5 How did you end up at your current wildlife rehabilitation center?

- o Multiple answers possible.
- o Through friends and/or family
- o Through social media
- o Through a (newspaper advertisement
- o When I found an animal in need myself
- o Via a search engine
- o Through a visit to the center
- o I don't remember
- o Other, namely: _____

Q6 We are curious about your reasons for volunteering at a wildlife refuge. To what extent do the following reasons for participation apply to you on a scale of 1 (completely disagree) to 5 (completely agree)? If you have no answer for a particular item, please use 'don't know/don't prefer to say'. I volunteer because...

	1	2	3	4	5	Don't know / Would rather not say
...I want to learn something						
...I want to do some physical activity						
...I want to be part of this volunteers' community						
...I want to contribute to this community						
...I enjoy this activity						
...I want to contribute to the conservation of nature						
...I want to make the world a better place						
...I am happy to help						
...volunteering makes me feel important						
...I want to share my knowledge and experience						
...I strive to challenge myself						
...I am interested in animals						

	1	2	3	4	5	Don't know / Would rather not say
...I want to enhance my reputation						
...I want to help animals						
...I want to feel part of something worthwhile						
...I want to socialize with other people						

Q7 Do you have any other motivation?

Not required.

Part 2:

Research

For rehabilitation of an animal, centers record the animal species, finding location, reason for admission, and date, among others. This part of the questionnaire deals with these data. Please note that the questions are not about privacy-sensitive data such as the reporter's name or phone number.

Q8 Do you record animal data yourself?

- Yes
- No

Q9 For the statements below, please indicate the extent to which you agree.

**visible when question 8 is 'yes'*

	1	2	3	4	5	Don't know / Would rather not say
I can correctly identify which animal species it is.						
I know where the animal was found.						
I can correctly indicate the reason for its admission.						

Q10 Can you explain your answer?

**visible when question 8 is 'yes'*

Q11 Do you know what happens to animal data after it is recorded by your center?

For example: animal data such as species name, date of admission and reason for admission

- Yes
- No

Q12 Can you explain your answer?

Not required.



Q13 Who, in your opinion, is the owner of animal data your organisation and/or you collect?

- There is no owner, everyone should be allowed to see and use the data (public interest).
- The organisation is the owner, but interested parties should be able to see and share the data.
- The organisation owns the data but does not have to share it.
- I own the data I collect.
- Other, namely: _____

Q14 Have you ever heard of the terms ‘citizen science’ and/or ‘burgerwetenschap’?

- Yes, citizen science
- Yes, burgerwetenschap
- Yes, both
- No, neither

Citizen science or citizen science is research done in a collaboration between scientists and citizens. During such research, citizens collect or study data. This data is important to draw certain conclusions about a topic. An example is the National Garden Bird Count, which teaches us more about the species and number of birds in gardens.

Q15 Do you think data collection by your center could be a form of citizen science?

- Yes
- No
- Do not know

Q16 Can you explain your answer?

Not required.

Q17 Animal data may be of interest to researchers, e.g., to universities and other research institutes. Please indicate the extent to which you agree with the following statements:

1 2 3 4 5 Don't know
/ Would rather not say

I like the idea of animal data from our center being used for research.
The quality of the animal data is good enough for further research.
I would like to gain insight into the animal data collected within my center.
I would like to contribute in more ways to research related to animal data from my center.
I think researchers should provide feedback on what they have done with the data.
I would like to have insight into animal data collected at other centers.

Q18 Are there topics for further research that interest you?

Multiple answers possible.

- Spread of diseases (such as bird flu and yellow)
- Number of animal species and number of animals
- Impact of humans on animals
- Success rate of rehabilitated animal
- Prevention of animals in distress
- Other, namely: _____
- I don't know/I'm not interested

Q19 Can you explain your answer?

Not required.

Part 3:

Profile

The following are some questions about your background.

Q20 Please indicate the extent to which you agree with the following statements:

Statement	1	2	3	4	5	Don't know / Would rather not say
I am generally informed about scientific developments.						
I am interested in the insights and methods from science.						
I sometimes do things where I can learn something about science, such as visiting a museum, looking up information on the Internet, watching television or videos about science.						
I regularly talk about science with others during my studies, at work, and in my leisure time.						

Q21 What is your highest completed education?

If you are currently pursuing education, it does not count as completed.

- Primary school
- LBO/VBO/MAVO/VMBO
- HAVO/VWO
- Intermediate vocational education (MBO)
- Bachelor course of higher professional education (HBO)
- Bachelor's and/or master's degree in scientific education (WO)
- PhD
- I would rather not say
- Other, namely: _____



Q22 Which work situation applies to you?

- Working full-time (35-40 hours per week)
- Working part-time (less than 35 hours per week)
- Retired
- Studying
- Not currently in paid employment
- I would rather not say
- Other, namely:

Q23 In which category does your age fall?

- Younger than 20 years
- 20-39 years
- 40-64 years
- 65-79 years old
- 80 years or older

Q24 I am...

- Female
- Male
- Other
- I'd rather not say

Q25 Finally, if you have anything else to say, you can mention it here.

Not required.

.....

Appendix 4.5

General background of survey respondents covering the type of wildlife their center rehabilitates, their initial reason for contact with the center and the tasks they perform. Additionally, the number of hours volunteered per week and years of experience are reported. Frequencies and percentages are presented for all variables, with the mean, median and interquartile range for volunteer hours and experience.

Their center treats (n=205)	Frequency (n)	Percentage (%)		
Wildlife	124	60.5		
Hedgehogs	81	39.5		
Initial contact with WRC (n=205)				
Found an animal in need of rescue	46	22.4		
Search engine	37	18.0		
Friends or family	35	17.1		
Visited the center	31	15.1		
Other	31	15.1		
Social media	23	11.2		
Advertisement	16	7.8		
Don't know	8	3.9		
Involved in (n=205)				
Animal care	198	96.6		
Answering phone	41	20.0		
Other	40	19.5		
Giving tours	30	14.6		
Coordinate	20	9.8		
Managing social media	17	8.3		
Guest lectures	11	5.4		
Hours of volunteering at WRC per week (n=204)			Mean	Median (IQR)
<3	22	11.3	8.1	5 (3.5-8)
3-<6	93	47.9		
6-<9	41	21.1		
>9	48	24.7		
Experience at WRC in years (n=203)			Mean	Median (IQR)
<1	20	9.9	6	4 (2-8)
1-<3	51	25.1		
3-<8	79	38.9		
8-<20	44	21.7		
>20	9	4.4		

Appendix 4.6

Survey respondents' demographic data are presented, including frequencies and percentages for gender, age, educational level and type of employment. Chi-Square statistics, degrees of freedom and p-values are reported to indicate significant differences (in bold) compared to the Dutch population.

Gender (n=197)	Frequency (n)	Percentage (%)	Dutch population	χ^2	df	p
Female	163	82.7	50.3	88.241	1	<0.0001
Male	31	15.7	49.7			
Other	1	0.5				
Rather not say	2	1.0				
Age (n=197)						
<20	3	1.5	21.1	71.463	4	<0.0001
20-39	51	25.9	25.9			
40-64	103	52.3	32.8			
65-79	40	20.3	15.3			
>79	0	0.0	4.9			
Educational level (n=197)						
Primary or secondary school	59	29.9				
Vocational training	57	28.9				
University of applied sciences bachelor degree	45	22.8	36.2	0.80397	1	0.3699
University bachelor, master or doctoral degree	30	15.2				
Rather not say	6	3.0				
Type of employment (n=197)						
Full-time (35-40 hours per week)	32	16.2	52	65.067	1	0.01075
Part-time (<35 hours per week)	52	26.4	48			
Retired	46	23.4				
Studying	14	7.1				
Freelance, varying hours	6	3.0				
Currently not employed	33	16.8				
Not able to work	7	3.6				
Rather not say	7	3.6				

Appendix 4.7

Science capital of Dutch wildlife rehabilitators is presented (n=196), including median, interquartile range and mean, scored on a Likert-scale ranging from 1 (strongly disagree) to 5 (strongly agree). The mean score from the Dutch general public is also added (Verkade & Smeets, 2023).

Statement	Wildlife rehabilitators		Dutch general public
	Median (IQR)	Mean	Mean
I do things that allow me to learn about science	4 (4-5)	4.1	3.6
I have an interest in science	4 (3-4)	3.7	3.6
I am generally aware of scientific development	3 (3-4)	3.3	3.2
I regularly talk about science with others in my daily life	3 (2-4)	2.8	3.1

Appendix 4.8

Motivation of respondents, showing the total number of respondents per statement (excluding answer option “don’t know/rather not say”), with mean, median and interquartile range scores on a Likert-scale ranging from 1 (strongly disagree) to 5 (strongly agree). Also added for the motivational statements are the corresponding categories and higher-order motivations, based on the Citizen Science Motivation Scale by Levontin et al. (2022).

Statement	N	Mean	Median (IQR)	Category	Higher-order motivation
Help animals	204	4.8	5 (5-5)	Universalism-nature	Self-transcendence
I am interested in animals	205	4.8	5 (5-5)	Self-direction	Openness to Change
I enjoy this activity	203	4.6	5 (4-5)	Hedonism	Openness to Change
Contribute to conservation	203	4.4	5 (4-5)	Universalism-nature	Self-transcendence
Doing something worthwhile	204	4.4	5 (4-5)	Hedonism	Openness to Change
I want to learn something	203	4.3	4 (4-5)	Self-direction	Openness to Change
I am happy to help	203	4.3	4 (3-4)	Benevolence	Self-transcendence
I want to contribute to my community	203	4.1	4 (4-5)	Benevolence	Self-transcendence
I want to share knowledge and experience	203	3.7	4 (3-5)	Teaching	
I want to socialize with other people	203	3.7	4 (3-4)	Social expansion	Openness to Change
I want to make the world a better place	203	3.6	4 (3-4)	Universalism-social	Self-transcendence
I want to be part of this volunteers' community	205	3.6	4 (3-4)	Social expansion	Openness to Change
I strive to challenge myself	204	3.5	4 (3-4)	Stimulation	Openness to Change
Volunteering makes me feel important	204	3.3	3 (3-4)	Power	Self-enhancement
I want to do some physical activity	205	2.7	3 (2-3)	Stimulation	Openness to Change
I want to enhance my reputation	203	2	2 (1-3)	Face	Self-enhancement

Appendix 4.9

Survey respondents' ideas and opinions regarding scientific research with wildlife rehabilitation centers are presented, including the frequency and percentage of respondents per answer.

Know what happens to data (n=204)	Frequency (n)	Percentage (%)
Yes	141	68.8
No	63	30.9
Records data themselves (n=204)		
Yes	105	51.2
No	100	48.8
Data owner (n=204)		
No owner. everyone should be allowed to see and use the data (public interest).	18	8.8
Organisation is owner, but interested parties should be able to see and share the data.	102	50.0
The organisation owns the data but does not have to share it.	67	32.8
I own the data I collect.	0	0.0
Other	17	8.3
Citizen science terminology (n=203)		
Yes, citizen science	14	6.9
Yes, burgerwetenschap	12	5.9
Yes, both	37	18.2
No, neither	140	69.0
WRC data suitable for citizen science? (n=202)		
Yes	158	78.2
No	9	4.5
Don't know	35	17.3
Topic (n=204)		
Success of rehabilitation	153	74.6
Monitoring diseases	131	63.9
Prevention of causes	125	61.0
Understand human impact on wildlife	116	56.6
Species populations	109	53.2
Don't know	17	8.3
Other	10	4.9

Appendix 4.10

Respondents' views on scientific research in collaboration WRCs and their animal data, are presented. The total number of participants who provided a response (excluding "don't know/rather not say"), along with their mean, median and interquartile range scores, scored on a Likert-scale ranging from 1 (strongly disagree) to 5 (strongly agree), are included.

Data quality (n=105)	N	Mean	Median (IQR)
Species	105	4.4	5 (4-5)
Finding location	105	4.1	4 (4-5)
Reason of admission	105	4.1	4 (4-5)
Ideas regarding research (n=199)			
Doing research with WRCs is a good idea	190	4.3	4 (4-5)
Researchers should share results	194	4.2	4 (4-5)
WRC data quality is good enough for research	168	3.9	4 (3-4)
I am interested in our own data	194	3.7	4 (3-4)
I want to contribute more to research	187	3.5	3 (3-4)
I am interested in data of other centers	193	3.4	3 (3-4)