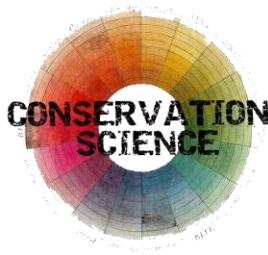


# REPORT

## Survey of Organizations Involved In Conservation Science

ICCROM FORUM 2013 on  
Conservation Science





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# Survey of Organisations Involved In Conservation Science

ICCROM FORUM 2013 on  
Conservation Science

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## Acknowledgements

This online survey was undertaken by ICCROM between 13-27 September 2013, in preparation for the ICCROM Forum 2013 on Conservation Science. Thanks are due to all those who kindly took the time to fill in the online questionnaire; and to the members of the ICCROM Forum Consortium of partners who advised on the objectives and scope of the survey.

## Introduction & Background

From 16 to 18 October, 80 leading conservation practitioners, scientists, educators and managers from around the world will meet in Rome to engage in critical discussions about how science should serve present and future cultural heritage conservation needs on a global scale.

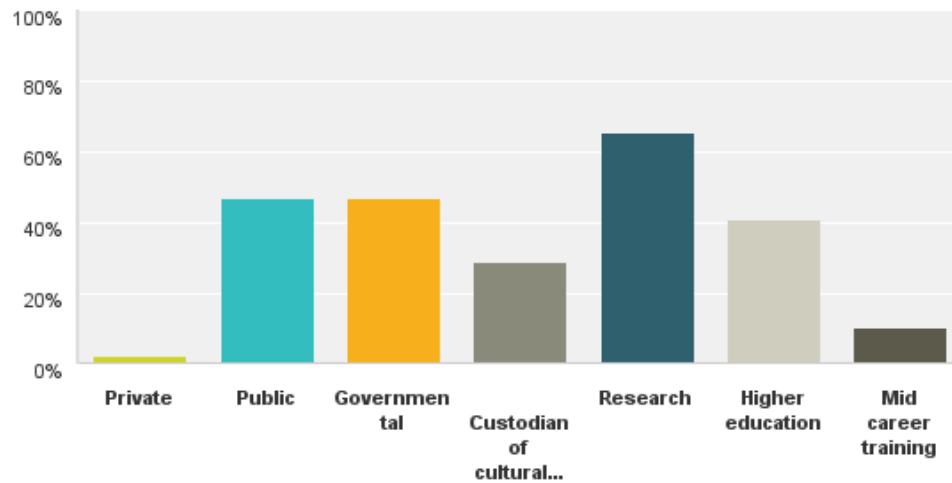
To support the Forum discussions, ICCROM undertook an online survey to gather data about historic and current trends in conservation science research undertaken in key organisations from around the world. The survey link was sent to 120 conservation organizations in 61 countries in Europe, North America, Latin America, Arab States, and Asia and Pacific world regions, as identified through the a survey of the international conservation literature, the ICCROM database, the membership of the ICCROM Forum Consortium of Partners, and the Participants at the ICCROM Forum 2013.

The survey ran from 13-27 September 2013. The number of respondents was 49, from 26 countries (34 Europe and North America; 12 Asia & the Pacific; 2 Arab States; 1 Latin America & the Caribbean). These are the preliminary results.

## RESULTS

### Q2 Please indicate the nature of your organisation (you may select more than one category)

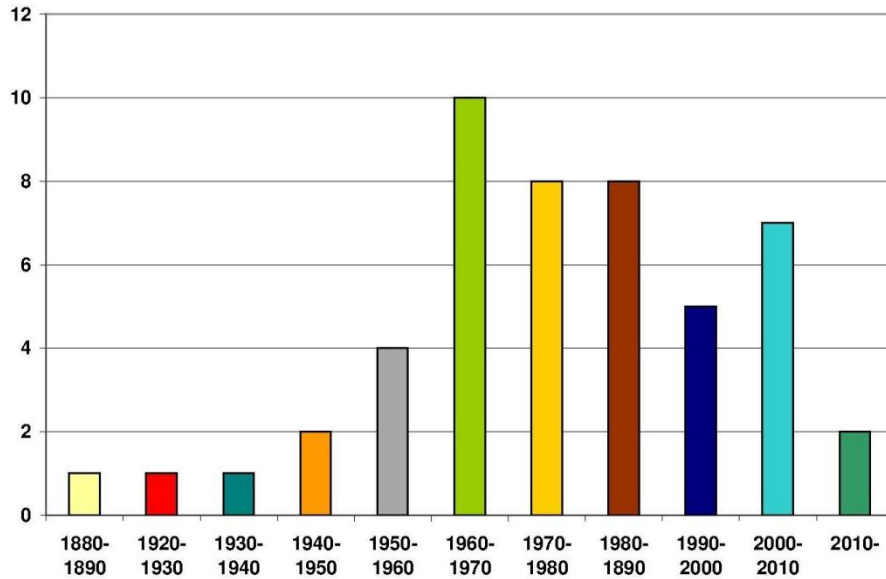
Answered: 49 Skipped: 0



Q2. Table

Private	2% (1 response)
Public	46% (23 responses)
Governmental	46% (23 responses)
Custodian of cultural heritage assets	28% (14 responses)
Research	65% (32 responses)
Higher education	40% (20 responses)
Mid career training	10% (5 responses)

**Q3 When did conservation science start in your organisation (or a parent form of your organisation)? Please give an approximate year**

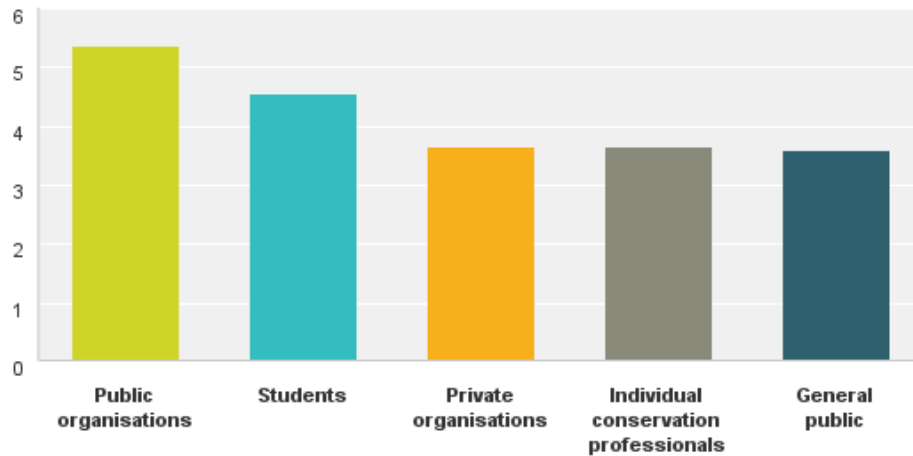


**Q3. Table**

Decade	Responses
1880-1890	2% (1)
1920-1930	2% (1)
1930-1940	2% (1)
1940-1950	4% (2)
1950-1960	8% (4)
1960-1970	20% (10)
1970-1980	16% (8)
1980-1890	16% (8)
1990-2000	10% (5)
2000-2010	14% (7)
2010-	4% (2)
<b>Total</b>	<b>49</b>

**Q4 Who are your primary clients? Please rank in terms of who your organisation spends the most time serving (where 1 = highest amount of time spent)**

Answered: 49 Skipped: 0



**Q4. Table** Numbers in parentheses indicate the number of responses.

	1	2	3	4	5	N/A	Total	Average Ranking
Public organisations	51% (25)	22% (11)	14% (7)	2% (1)	0% (0)	10% (5)	49	5.36
Students	20% (10)	30% (15)	22% (11)	4% (2)	10% (5)	12% (6)	49	4.53
Private organisations	4% (2)	10% (5)	20% (10)	26% (13)	8% (4)	30% (15)	49	3.65
Individual conservation professionals	4% (2)	16% (8)	18% (9)	32% (16)	10% (5)	18% (9)	49	3.65
General public	14% (7)	12% (6)	12% (6)	10% (5)	32% (16)	18% (9)	49	3.58



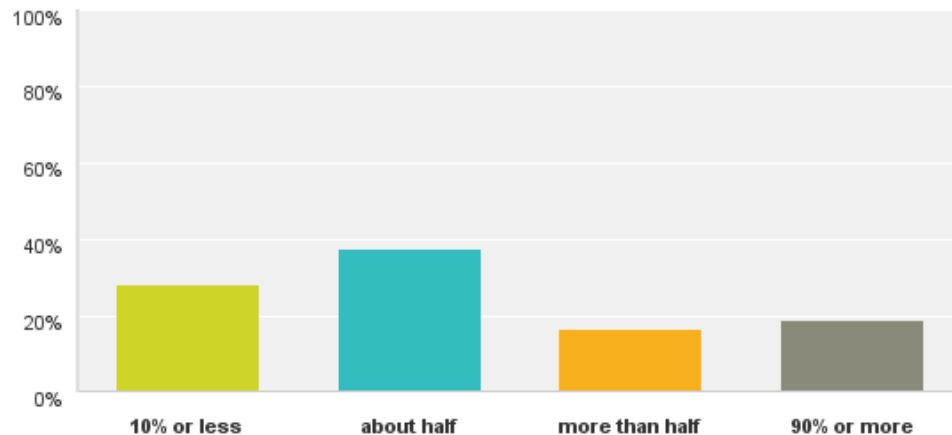
**Q5 What number of scientific staff employed by your organization are actively engaged in conservation science?**

**Q5. Table**

Number	Responses
<b>1-20</b>	74% (32 responses)
<b>20-40</b>	4% (2 responses)
<b>40-60</b>	11% (5 responses)
<b>60-80</b>	0% (0 responses)
<b>80-100</b>	0% (0 responses)
<b>100-120</b>	7% (3 responses)
<b>120-140</b>	2% (1 response)
<b>Total</b>	<b>43</b>

**Q6 How much of your organisation's scientific staff time is given to conservation science research?**

Answered: 43 Skipped: 6

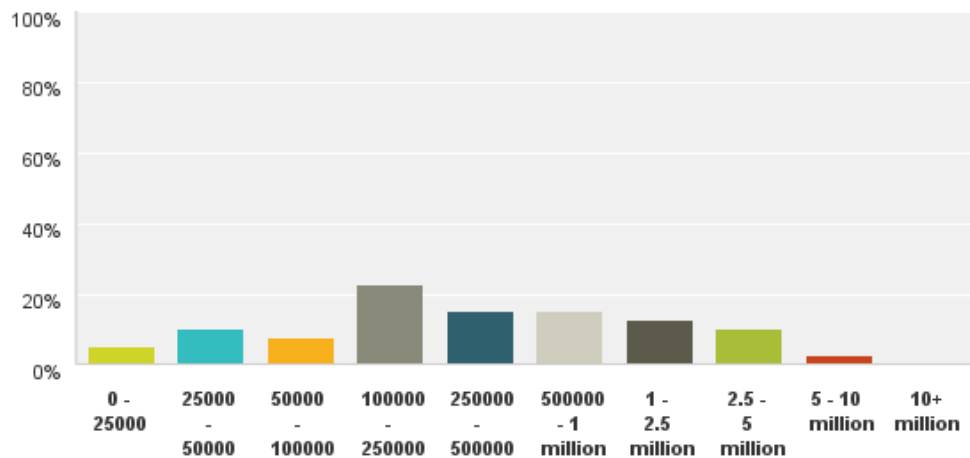


**Q6. Table**

<b>10% or less</b>	27% (12 responses)
<b>about half</b>	37% (16 responses)
<b>more than half</b>	16% (7 responses)
<b>90% or more</b>	18% (8 responses)

**Q7 What is the overall budget (internal and external) for conservation science activities in your organisation? e.g. staff costs, facilities, equipment purchase and maintenance, consumables etc. Note: "external" means funding that is not part of your regular internal budget, and is derived from an external source (e.g. funds generated from clients, grant awards, other allocated funds from external organisations).**

Answered: 40 Skipped: 9

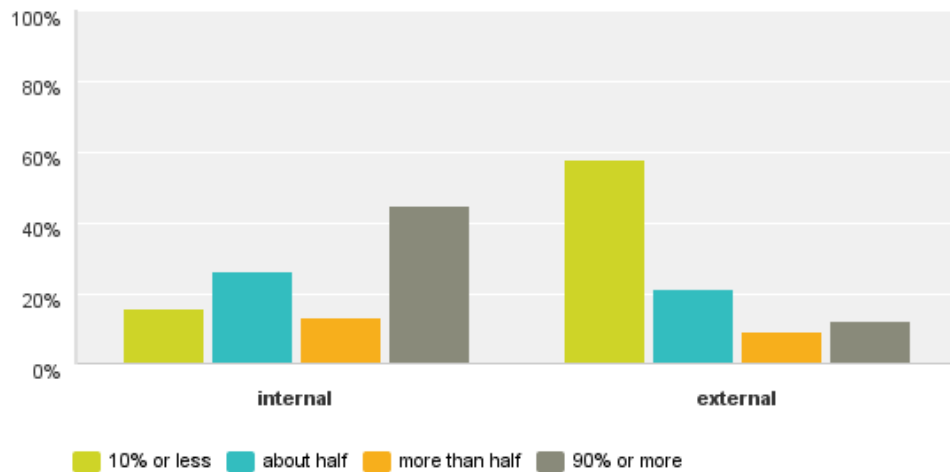


**Q7. Table**

<b>0 - 25000</b>	5% (2 responses)
<b>25000 - 50000</b>	10% (4 responses)
<b>50000 - 100000</b>	7% (3 responses)
<b>100000 - 250000</b>	22% (9 responses)
<b>250000 - 500000</b>	15% (6 responses)
<b>500000 - 1 million</b>	15% (6 responses)
<b>1 - 2.5 million</b>	12% (5 responses)
<b>2.5 - 5 million</b>	10% (4 responses)
<b>5 - 10 million</b>	2% (1 response)
<b>10+ million</b>	0% (0 responses)

**Q8 Please indicate the relative proportions of internal versus external funding**

Answered: 41 Skipped: 8

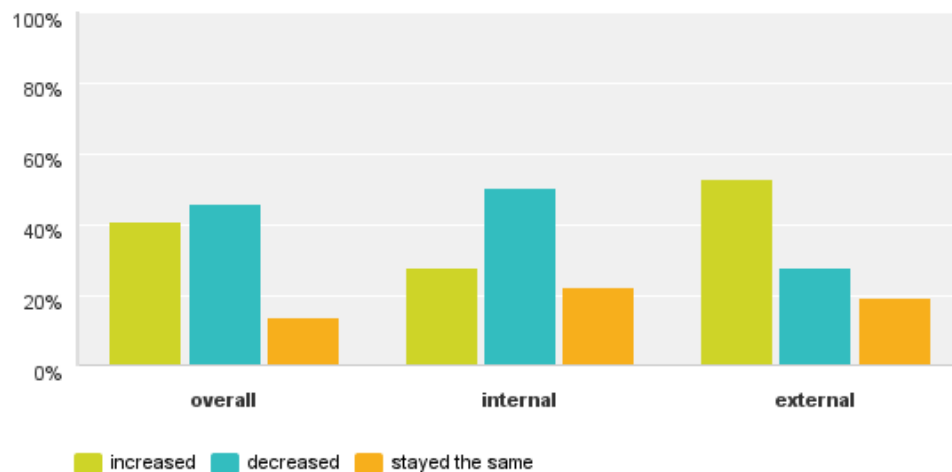


**Q8. Table**

	10% or less	about half	more than half	90% or more	Total
internal	15% (6 responses)	26% (10 responses)	13% (5 responses)	44% (17 responses)	38
external	57% (19 responses)	21% (7 responses)	9% (3 responses)	12% (4 responses)	33

**Q9 How is the current budget different from the situation 10 years ago?**

Answered: 38 Skipped: 11



**Q9. Table**

	increased	decreased	stayed the same	Total
overall	40% (15 responses)	45% (17 responses)	13% (5 responses)	37
internal	27% (10 responses)	50% (18 responses)	22% (8 responses)	36
external	52% (19 responses)	27% (10 responses)	19% (7 responses)	36

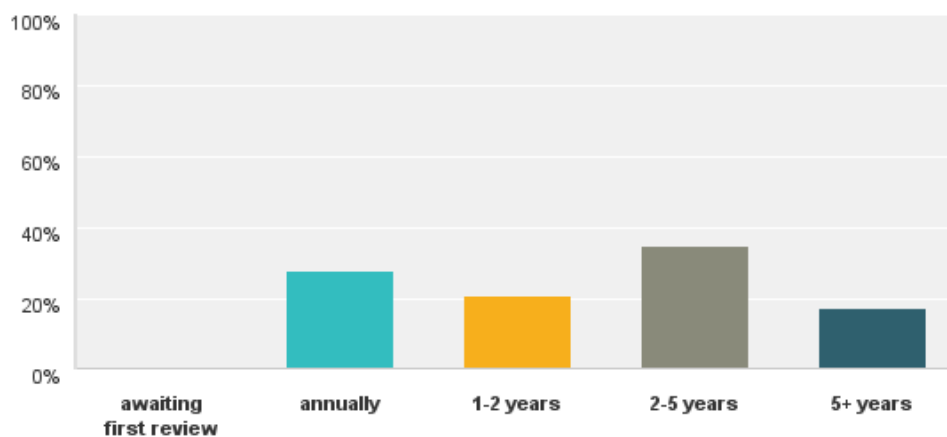
**Q10 Does your organisation have a written research strategy document?**

**Q10. Table**

<b>yes</b>	73% (31 responses)
<b>no</b>	26% (11 responses)
<b>Total</b>	<b>42</b>

**Q11 How often is this research strategy reviewed?**

Answered: 29 Skipped: 20



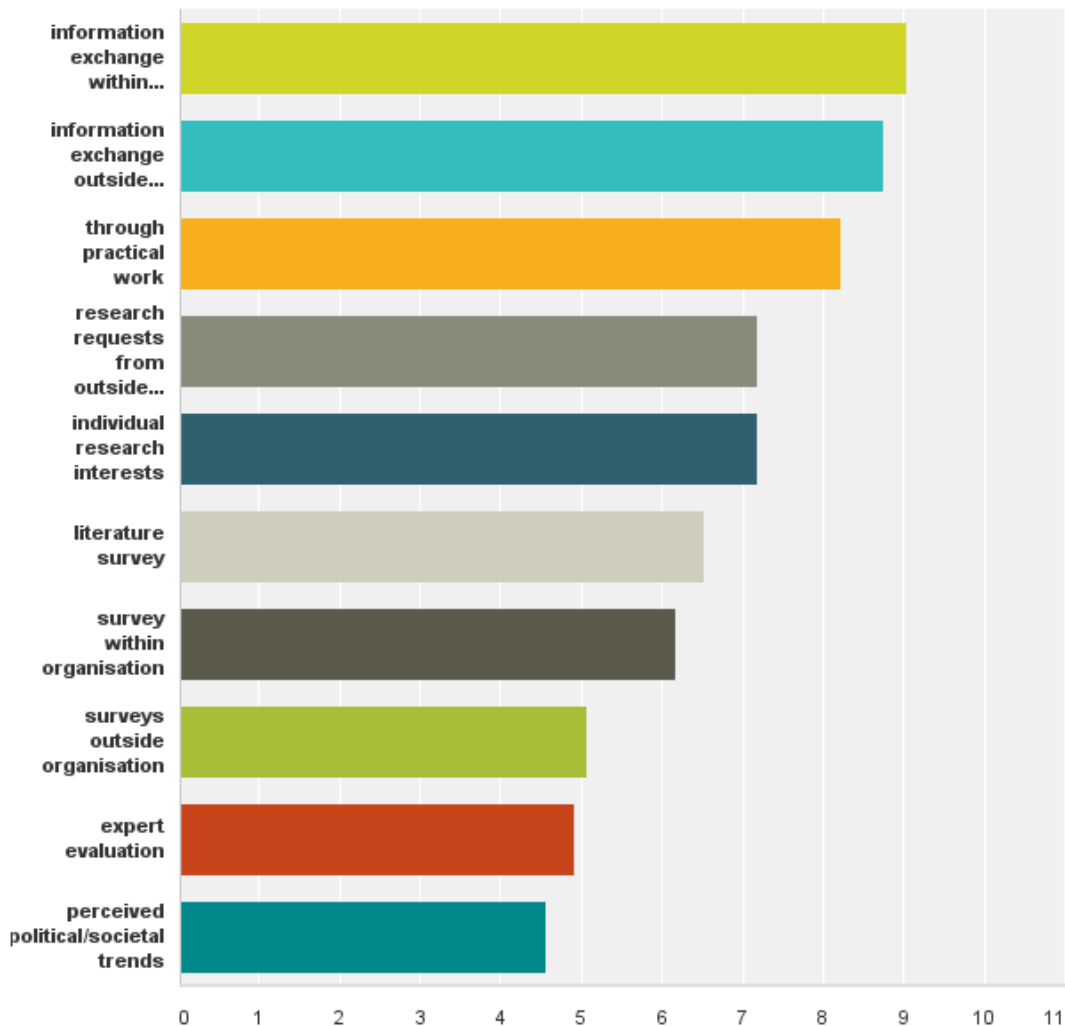
**Q11. Table**

<b>awaiting first review</b>	0% (0 responses)
<b>annually</b>	27% (8 responses)
<b>1-2 years</b>	20% (6 responses)
<b>2-5 years</b>	34% (10 responses)
<b>5+ years</b>	17% (5 responses)



**Q12 How does your organisation identify specific needs and challenges that require conservation science research? Please rank the following (where 1 = most frequent)**

Answered: 40 Skipped: 9



Please note that the chart shows the average ranking. The categories with the highest scores are those rated as being the most frequent. Numbers in parentheses in the table below indicate the number of responses.

# ICCROM FORUM 2013 Background Research Report

## Organisations Survey

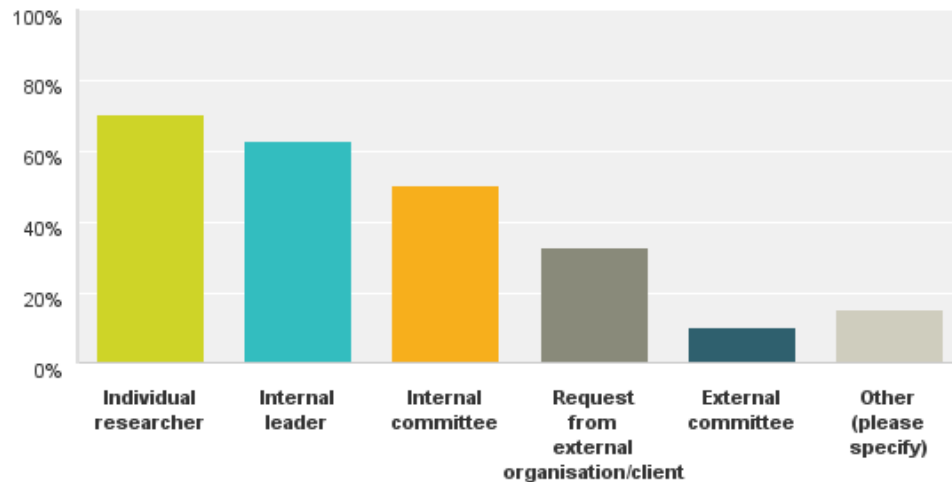


**Q12. Table**

	1	2	3	4	5	6	7	8	9	10	N/A	Total	Average Ranking
<b>information exchange within organisation</b>	22% (9)	25% (10)	25% (10)	2% (1)	12% (5)	2% (1)	5% (2)	2% (1)	0% (0)	0% (0)	2% (1)	40	9.03
<b>information exchange outside organisation (e.g. conferences, workshops, professional networks)</b>	22% (9)	10% (4)	17% (7)	30% (12)	10% (4)	2% (1)	2% (1)	2% (1)	0% (0)	0% (0)	2% (1)	40	8.74
<b>through practical work</b>	27% (11)	22% (9)	5% (2)	10% (4)	2% (1)	70% (3)	12% (5)	0% (0)	2% (1)	7% (3)	2% (1)	40	8.21
<b>research requests from outside organisation</b>	10% (4)	10% (4)	10% (4)	10% (4)	7% (3)	17% (7)	7% (3)	10% (4)	2% (1)	2% (1)	12% (5)	40	7.17
<b>individual research interests</b>	12% (5)	12% (5)	10% (4)	5% (2)	22% (9)	10% (4)	5% (2)	15% (6)	7% (3)	0% (0)	0% (0)	40	7.17
<b>literature survey</b>	2% (1)	7% (3)	10% (4)	17% (7)	12% (5)	15% (6)	10% (4)	10% (4)	10% (4)	2% (1)	2% (1)	40	6.51
<b>survey within organisation</b>	0% (0)	5% (2)	10% (4)	7% (3)	12% (5)	17% (7)	5% (2)	10% (4)	10% (4)	2% (1)	20% (8)	40	6.16
<b>surveys outside organisation</b>	0% (0)	0% (0)	7% (3)	2% (1)	12% (5)	7% (3)	15% (6)	15% (6)	10% (4)	10% (4)	20% (8)	40	5.06
<b>expert evaluation</b>	0% (0)	2% (1)	5% (2)	7% (3)	2% (1)	10% (4)	10% (4)	7% (3)	27% (11)	5% (2)	22% (9)	40	4.90
<b>perceived political/societal trends</b>	2% (1)	5% (2)	0% (0)	7% (3)	5% (2)	5% (2)	12% (5)	5% (2)	5% (2)	32% (13)	20% (8)	40	4.56

**Q13 Who Decides? What are the processes by which research projects are decided upon within your organisation? (you may select more than one category)**

Answered: 40 Skipped: 9

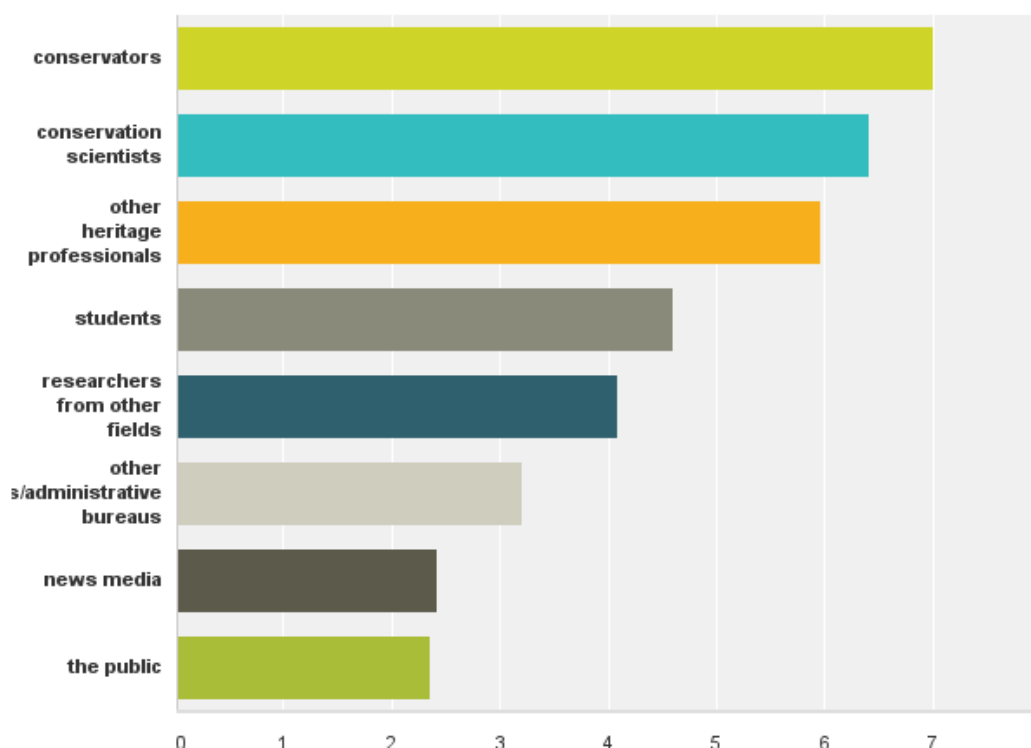


**Q.13 Table**

Individual researcher	70% (28 responses)
Internal leader	62% (25 responses)
Internal committee	50% (20 responses)
Request from external organisation/client	32% (13 responses)
External committee	10% (4 responses)
Other (please specify)	15% (6 responses)

**Q14 To which audiences does your organisation communicate scientific results and knowledge? Please rank in order of priority (where 1 = highest)**

Answered: 40 Skipped: 9



Please note that the chart shows the average ranking. The categories with the highest scores are those rated as having highest priority. Numbers in parentheses in the table below indicate the number of responses.

**Q14. Table**

	1	2	3	4	5	6	7	8	Total	Average Ranking
conservators	42% (17)	35% (14)	12% (5)	5% (2)	2% (1)	0% (0)	2% (1)	0% (0)	40	7.00
conservation scientists	20% (8)	45% (18)	15% (6)	10% (4)	5% (2)	0% (0)	0% (0)	5% (2)	40	6.40
other heritage professionals	22% (9)	2% (1)	45% (18)	15% (6)	7% (3)	7% (3)	0% (0)	0% (0)	40	5.95
students	7% (3)	7% (3)	10% (4)	22% (9)	27% (11)	17% (7)	5% (2)	2% (1)	40	4.60
researchers from other fields	2% (1)	2% (1)	17% (7)	22% (9)	22% (9)	10% (4)	10% (4)	12% (5)	40	4.08
other organizations /administrative bureaus	5% (2)	2% (1)	0% (0)	5% (2)	20% (8)	40% (16)	10% (4)	17% (7)	40	3.20
news media	0% (0)	2% (1)	0% (0)	10% (4)	2% (1)	15% (6)	50% (20)	20% (8)	40	2.42
the public	0% (0)	2% (1)	0% (0)	10% (4)	12% (5)	10% (4)	22% (9)	42% (17)	40	2.35

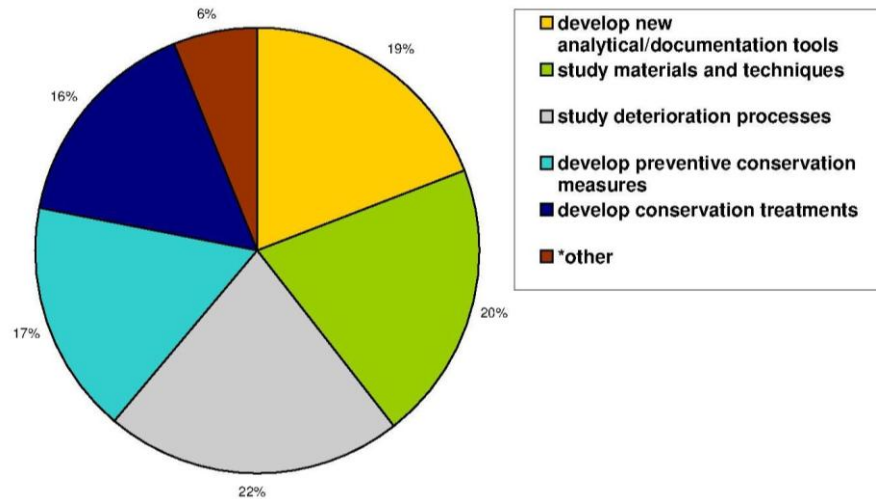


**Q15 In what ways does your organisation do this?**

**Q15. Table** Numbers in parentheses indicate the number of responses.

	<b>never</b>	<b>very rarely</b>	<b>sometimes</b>	<b>frequently</b>
<b>peer reviewed publications</b>	0% (0)	5% (2)	30% (12)	64% (25)
<b>non-peer reviewed publications</b>	2% (1)	15% (6)	30% (12)	52% (21)
<b>unpublished reports &amp; dissertations</b>	0% (0)	10% (4)	32% (13)	57% (23)
<b>internet publications, website articles</b>	7% (3)	22% (9)	47% (19)	22% (9)
<b>conferences, seminars, workshops, meetings</b>	0% (0)	2% (1)	35% (14)	62% (25)
<b>guidance publications for non-scientist end-user heritage professionals</b>	12% (5)	17% (7)	52% (21)	17% (7)
<b>training courses</b>	2% (1)	20% (8)	32% (13)	45% (18)
<b>internships</b>	7% (3)	20% (8)	37% (15)	35% (14)
<b>research fellowships</b>	17% (7)	17% (7)	40% (16)	25% (10)
<b>news media</b>	7% (3)	30% (12)	52% (21)	10% (4)
<b>exhibitions and displays</b>	10% (4)	30% (12)	45% (18)	15% (6)
<b>joint projects</b>	2% (1)	12% (5)	40% (16)	45% (18)
<b>lab tours</b>	5% (2)	27% (11)	35% (14)	32% (13)
<b>special events</b>	7% (3)	35% (14)	47% (19)	10% (4)
<b>other public communications</b>	15% (5)	50% (16)	31% (10)	3% (1)

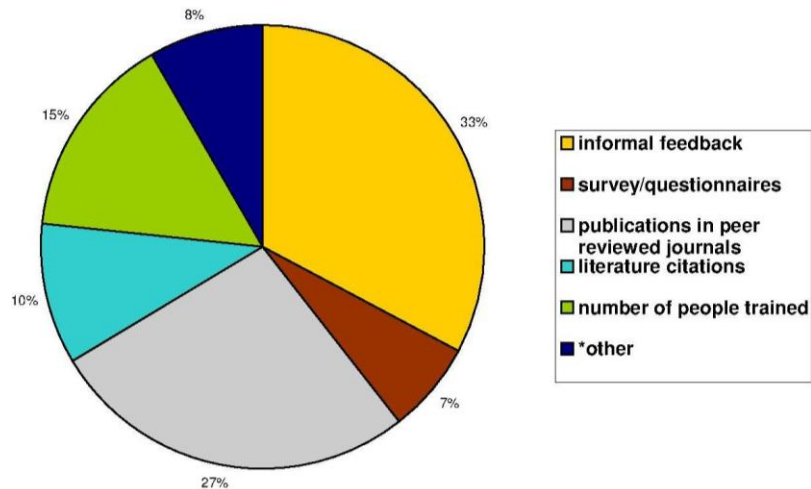
**Q17 What are the research objectives of your organisation's important research projects? (you may select more than one category)**



**Q17. Table**

develop new analytical/documentation tools	study materials and techniques	study deterioration processes	develop preventive conservation measures	develop conservation treatments	*other
19% (56 responses)	20% (59 responses)	22% (63 responses)	17% (49 responses)	16% (46 responses)	6% (18 responses)

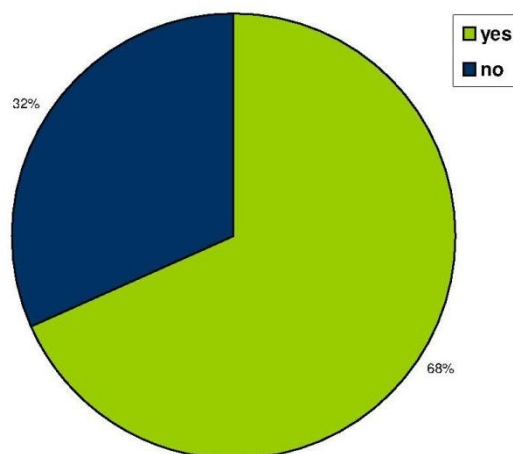
**Q18 How was the impact of these projects perceived and measured? (you may select more than one category)**



**Q18. Table**

informal feedback	survey/questionnaires	publications in peer reviewed journals	literature citations	number of people trained	*other
32% (80 responses)	7% (16 responses)	27% (66 responses)	10% (25 responses)	15% (37 responses)	8% (20 responses)

**Q19 Have any of these projects lead to a change in conservation practice?**

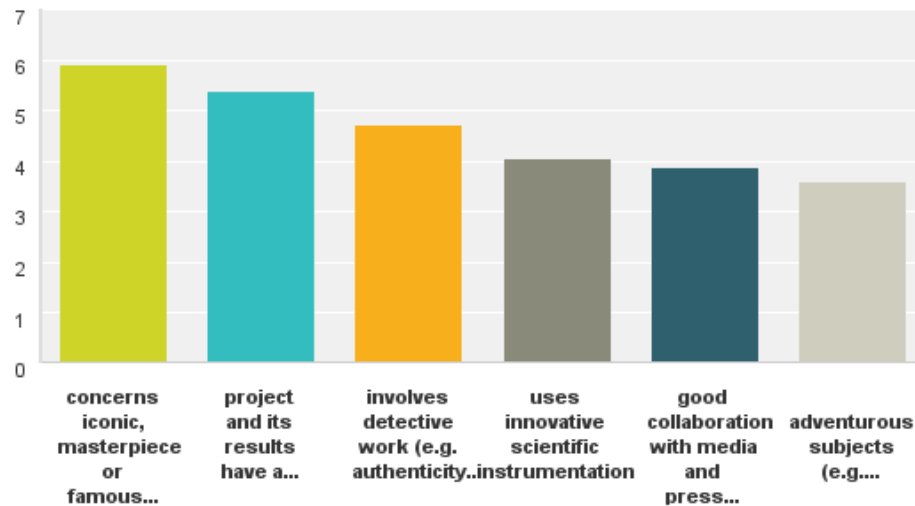


**Q19. Table**

yes	68% (71 responses)
no	32% (33 responses)

**Q20 In your experience what makes conservation science research interesting to the general public? Please rank in order (where 1=highest)**

Answered: 38 Skipped: 11



Please note that the chart shows the average ranking. The categories with the highest scores are those rated as being the most interesting. Numbers in parentheses in the table below indicate the number of responses.

**Q20. Table**

	1	2	3	4	5	6	N/A	Total	Average Ranking
<b>concerns iconic, masterpiece or famous artists and their artworks</b>	36% (14)	28% (11)	13% (5)	10% (4)	0% (0)	2% (1)	7% (3)	38	5.91
<b>project and its results have a strong narrative (i.e. tells a story)</b>	36% (14)	13% (5)	18% (7)	13% (5)	10% (4)	5% (2)	2% (1)	38	5.38
<b>involves detective work (e.g. authenticity &amp; identifying fakes)</b>	7% (3)	13% (5)	34% (13)	28% (11)	2% (1)	7% (3)	5% (2)	38	4.69
<b>uses innovative scientific instrumentation</b>	2% (1)	18% (7)	18% (7)	21% (8)	18% (7)	21% (8)	0% (0)	38	4.03
<b>good collaboration with media and press exposure</b>	10% (4)	18% (7)	2% (1)	5% (2)	26% (10)	28% (11)	7% (3)	38	3.86
<b>adventurous subjects (e.g. archaeology or maritime archaeology)</b>	5% (2)	5% (2)	10% (4)	18% (7)	31% (12)	21% (8)	7% (3)	38	3.60