

Canadian Institute of Planners 2019 Climate Change Survey



Framework

Prepared by Framework Partners Inc. Jun, 10 2019
Field Dates: Apr, 25 2019 to Jun, 1 2019

Definitions

Mean: The mean is a measure of central tendency. It is the arithmetic average of the set of values, or observations received from a question.

Median: The median is also a measure of central tendency. It is the observation or number that is at the 50th percentile in an ordered data set. Stated differently, it is the point at which half of the observations are above it and half of the observations are below it.

Score: The score is the mean or average of the responses received expressed as a percentage for easier interpretation. The Score is an important measure of all responses received; it demonstrates the overall response average, and includes all respondents. Stated differently, the score is a batting average, or percentage that helps us to better understand the average response. It is important to examine the score as interpreting the average or mean response, when a seven-point Likert scale is used, can be difficult.

Top Two: The percentage of respondents to a question who responded with either a 1 (“Very Important”, “Very Satisfied” or “Strongly Agree”) or a 2 (“Important”, “Satisfied” or “Agree”) on a scale of 1 to 7. The Top Two is an indication of strength of opinion; it represents the proportion of respondents who have answered that they have a firm opinion about the stated question.

Gen Impact: The proportion of those choosing an option, who also either strongly agree or agree with the following statement "Please indicate how strongly you agree or disagree with each of the following statements: Climate change has had a substantial impact on my planning work"

Correlation (GenImpact): The percentage of respondents to an option who have indicated that they are either Very Impacted or Impacted by climate change in their planning work.

Standard Deviation: This is a measure of dispersal, in that it shows how much variation or "dispersion" exists from the average (mean, or expected value). A low standard deviation indicates that the data points tend to be very close to the mean; high standard deviation indicates that the data points are spread out over a large range of values. Stated differently, a low standard deviation means that the data is tight, and that most respondents agree.

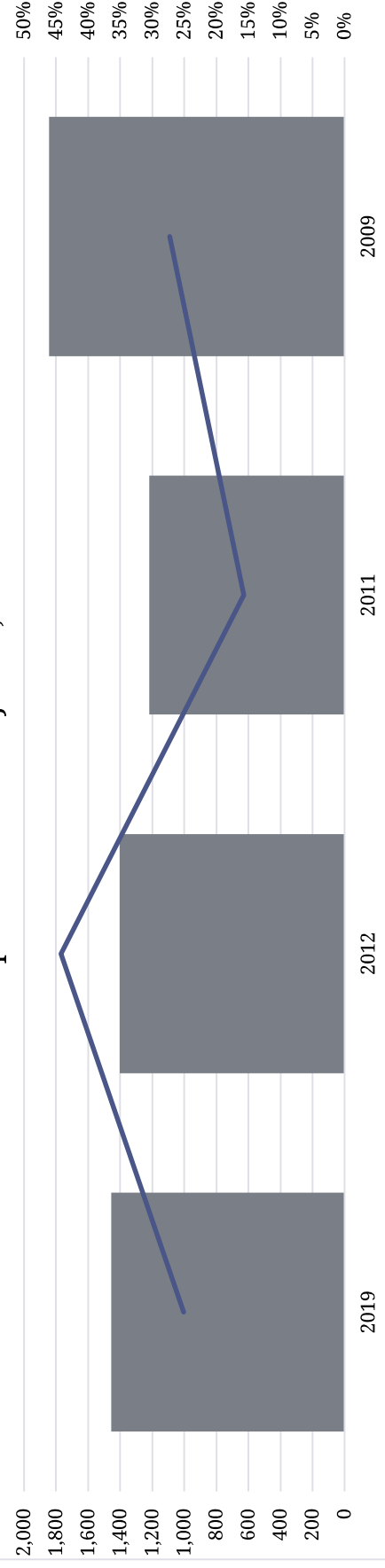
Impact Index (Index): The impact index measures the difference between the question option Gen Impact and the overall impact of all respondents.



Response Rates as at June 3, 2019

Response Rates	2019		2012		2011		2009	
	#	%	#	%	#	%	#	%
Population	5,800	100%	3,170	41%	7,753	100%	7,572	98%
Do Not Contacts	0	0%	-	-	-	-	4	-
Unsubscribes	0	0%	-	-	-	-	268	-
Bounces	0	0%	-	-	-	-	541	-
Net Population	5,800	100%	3,170	100%	7,753	100%	6,759	100%
Responses	1,457	25%	1,403	44%	1,218	16%	1,843	27%
Completes	1,232	85%	947	67%	1,148	94%	1,201	65%
Responses needed for an MOE of +/- 5%	361							
Responses consistent with an MOE of:	2.2%		2.0%		2.6%		1.9%	
Completes consistent with an MOE of:	2.5%		2.7%		2.7%		2.6%	

Response Rates as at June 3, 2019

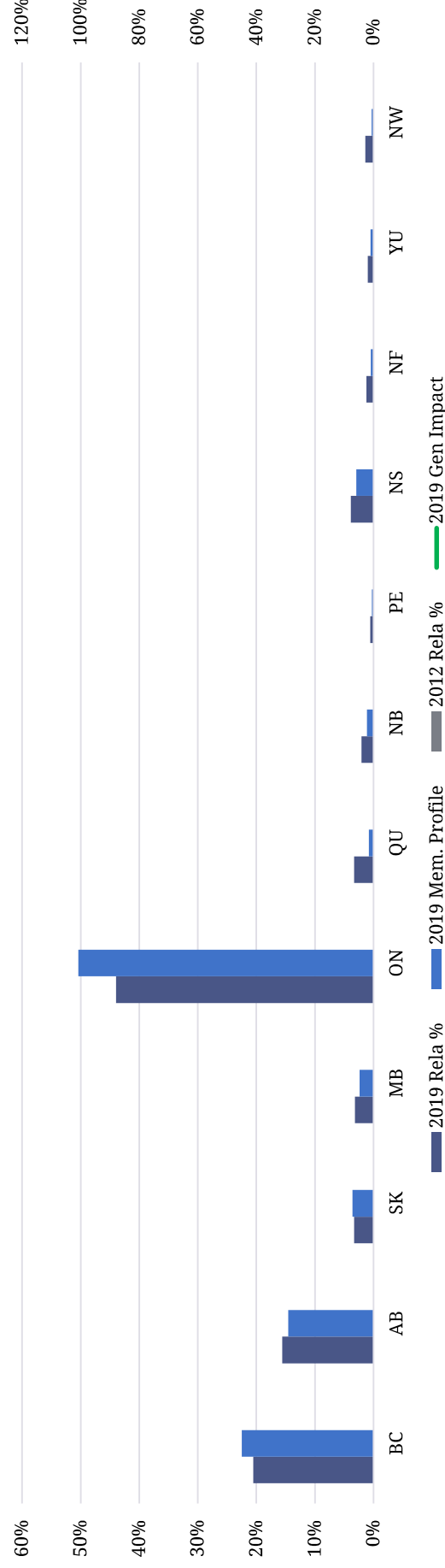


2019 CIP Climate Change Survey



Please use the space provided below to provide the first three digits from the postal code of the office or location where you work the majority of time. For example, if your postal code at work is “K1P 5J3”, then the correct response would be “K1P”

2019 SUMMARY						
Responses	Count	Rela%	Rank	Gen Impact	Index	
1 I do not work in a planning office (unemployed/student/retired)	35		5			
2 I do not know / not applicable	49		4			
3 British Columbia	149	21%	2			
4 Alberta	113	16%	3			
5 Saskatchewan	24	3%	7			
6 Manitoba	23	3%	9			
7 Ontario	319	44%	1			
8 Quebec	24	3%	7			
9 New Brunswick	15	2%	10			
10 Prince Edward Island	4	1%	14			
11 Nova Scotia	28	4%	6			
12 Newfoundland	9	1%	12			
13 Yukon	7	1%	13			
14 Nunavut & The Northwest Territories	10	1%	11			
No Response	648					
Total	1,457					

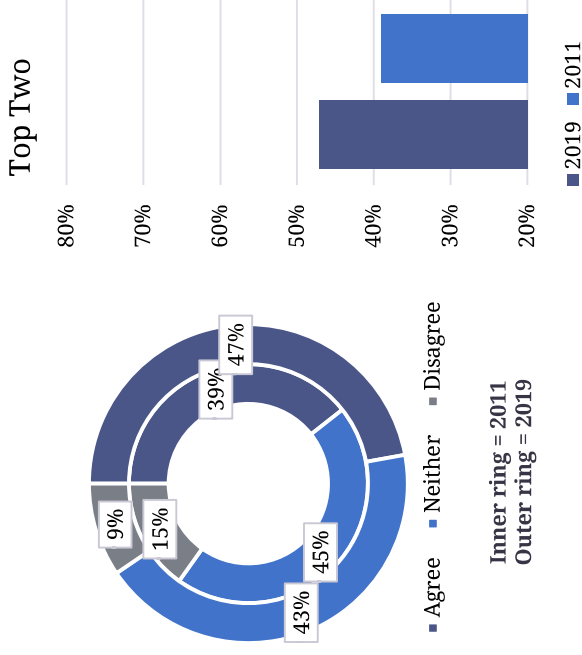
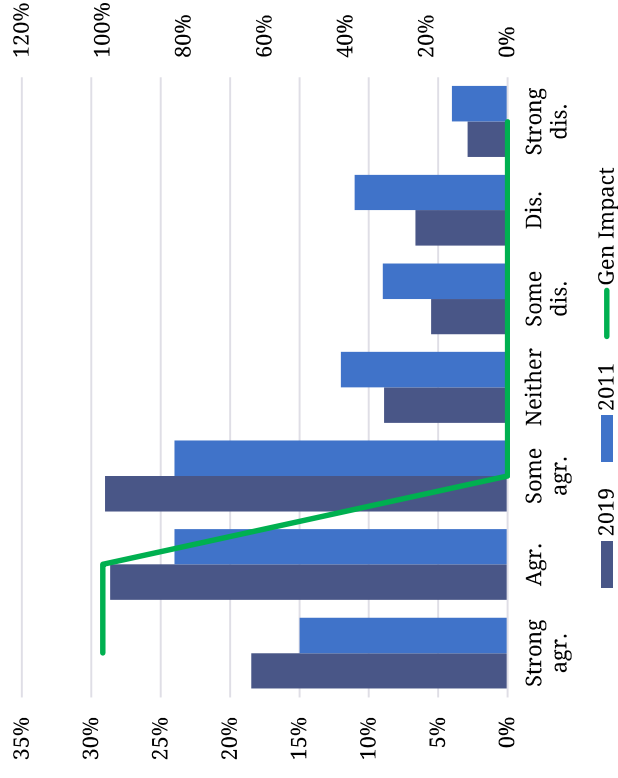


2019 CIP Climate Change Survey



Q7. Please indicate how strongly you agree or disagree with each of the following statements: Climate change has had a substantial impact on my planning work

2019 SUMMARY						2011	
Responses	Count	Rela%	Rank	Gen Impact	Index	Rela%	Δ Rela%
1 Strongly agree	245	18%	3	100%	53%	15%	3%
2 Agree	380	29%	2	100%	51%	24%	5%
3 Somewhat agree	385	29%	1	0%	-47%	24%	5%
4 Neither agree nor disagree	118	9%	4	0%	-47%	12%	-3%
5 Somewhat disagree	73	6%	6	0%	-47%	9%	-3%
6 Disagree	88	7%	5	0%	-47%	11%	-4%
7 Strongly disagree	38	3%	7	0%	-47%	4%	-1%
8 I don't know / not applicable	13						
- No Response	117						
Total	1,457	100%				99%	



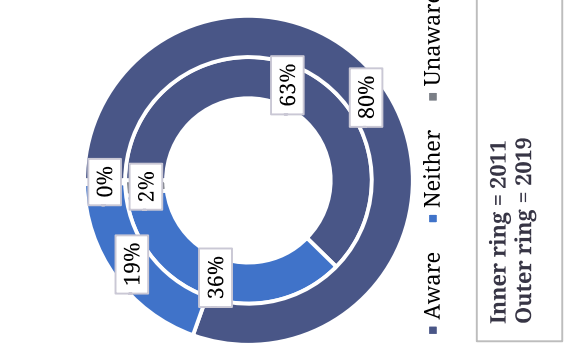
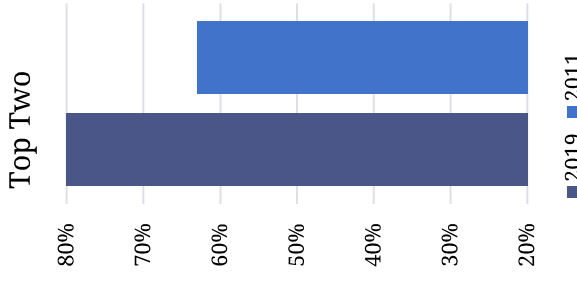
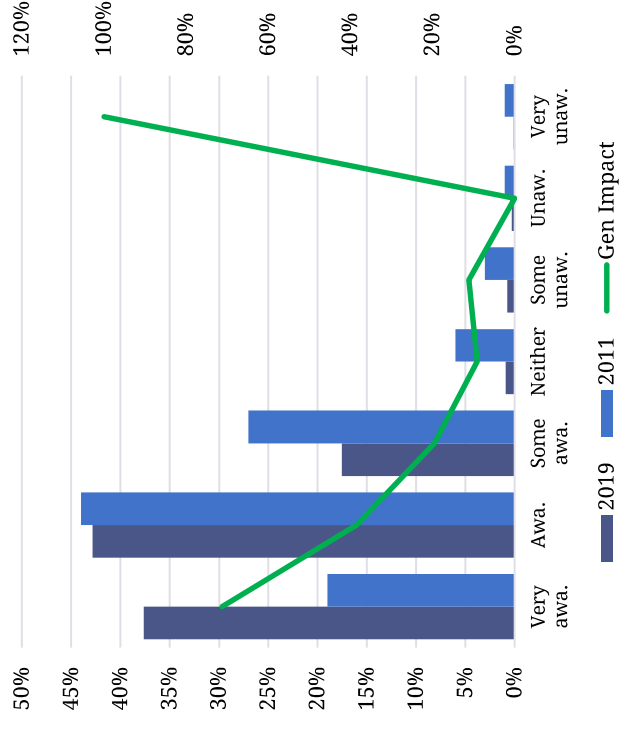
Selected Key Statistics		
	2019	2011
Central Tendency		
Mean	2.91	3.26
Median	3.00	3.00
Dispersion		
Standard Deviation	1.61	1.71

Correlation		
General Impact	1.00	NA
Performance		
2019	2011	
Top Two	47%	Top Two 39%
Top Three	76%	Top Three 63%



Q6. Please indicate your level of awareness of the impact of climate change on planning issues. Would you say that you are...

Responses	2019 SUMMARY				2011	
	Count	Rela%	Rank	Gen Impact	Index	Rela% Δ Rela%
1 Very aware	509	38%	2	71%	2.40	19%
2 Aware	579	43%	1	38%	-0.1%	-1%
3 Somewhat aware	237	18%	3	20%	-2.8%	-9%
4 Neither aware nor unaware	12	1%	4	9%	-3.8%	-5%
5 Somewhat unaware	10	1%	5	11%	-3.5%	-2%
6 Unaware	4	0%	6	0%	-4.7%	-1%
7 Very unaware	1	0%	7	100%	5.3%	-1%
8 I don't know / not applicable	1					
- No Response	104					
Total	1,457	100%				101%



Selected Key Statistics		2019	2011
Central Tendency			
Mean		1.86	2.35
Median		2.00	2.00
Dispersion			
Standard Deviation		0.85	1.05

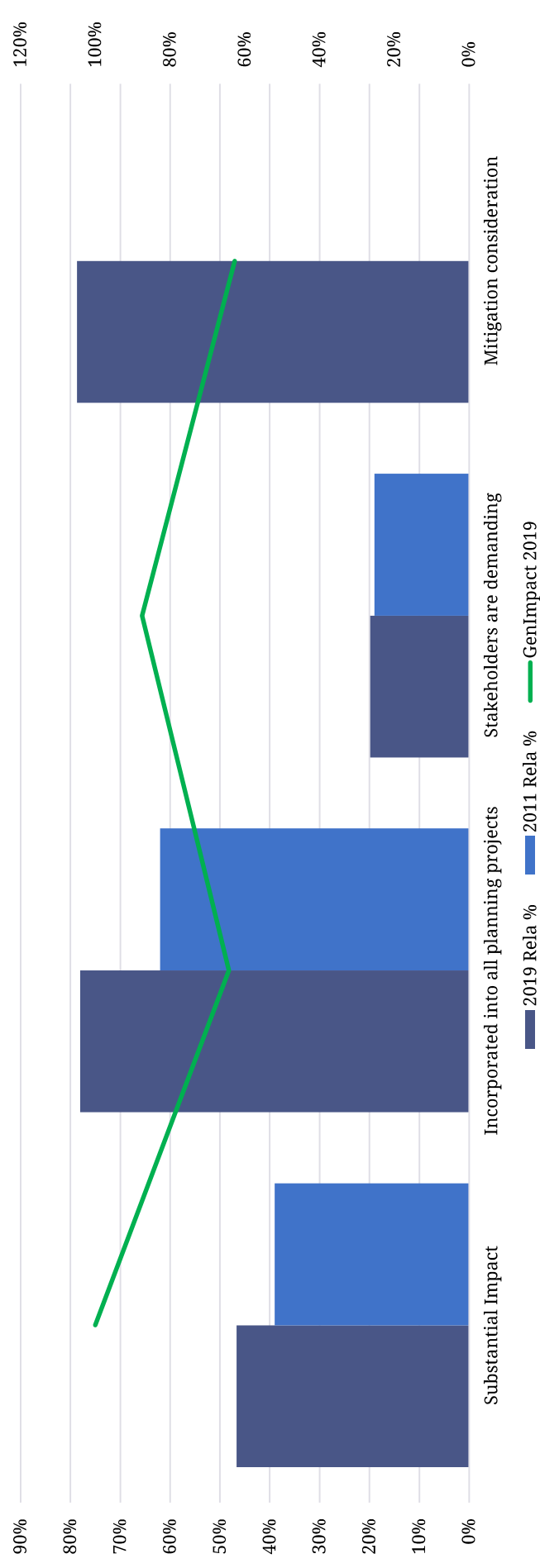
Correlation		2019	2011
General Impact		0.40	NA
Performance			
		2019	2011
Top Two		80%	63%
Top Three		98%	90%



Q7. Please indicate how strongly you agree or disagree with each of the following statements:

Responses	2019 SUMMARY							2011*	
	Mean	Median	Score	CorrGen	Gen Impact	Index	Top Two	Δ Top Two	Top Two
1 Climate change has had a substantial impact on my planning work	2.91	3.00	85%	1.00	100%	53%	47%	8%	39%
2 It is my opinion that the impact of climate change should be incorporated into all planning projects	1.91	2.00	52%	0.45	64%	17%	78%	16%	62%
3 I find that stakeholders are demanding that the impact of climate change be incorporated into planning decisions	3.87	3.00	85%	0.46	88%	40%	20%	1%	19%
4 It is my opinion that opportunities for climate change mitigation should be considered in all planning projects	1.91	2.00	59%	0.42	63%	16%	79%	-	-

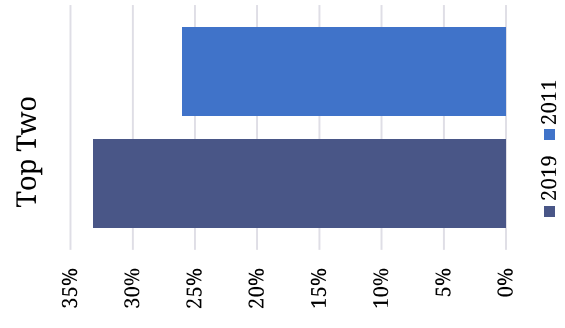
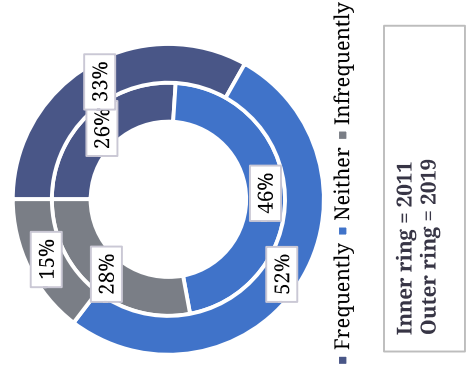
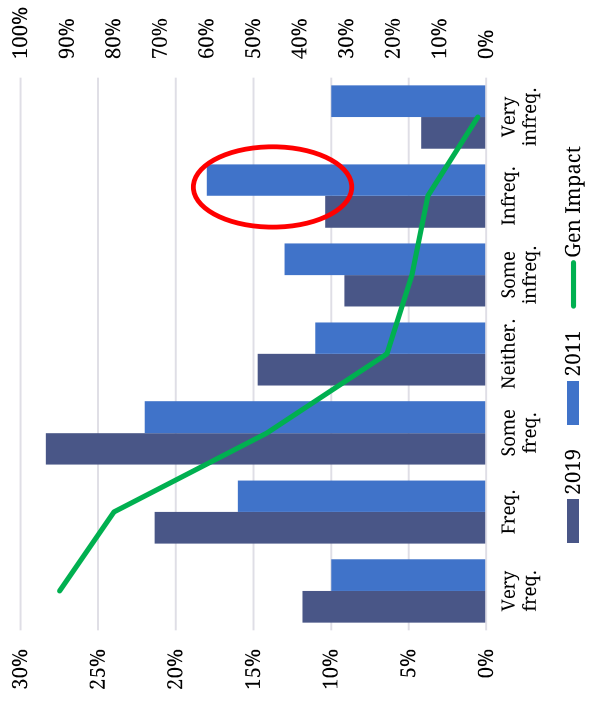
*Note: New options added in 2019





Q8. How frequently or infrequently do you incorporate the impact of climate change into your professional work?

Responses	2019 SUMMARY				2011	
	Count	Rela%	Rank	Gen Impact	Index	Rela% Δ Rela%
1 Very frequently	155	12%	4	92%	45%	2%
2 Frequently	280	21%	2	80%	33%	5%
3 Somewhat frequently	372	28%	1	47%	0%	6%
4 Neither frequently nor infrequently	193	15%	3	21%	-25%	4%
5 Somewhat infrequently	120	9%	6	16%	-31%	-4%
6 Infrequently	136	10%	5	13%	-35%	-8%
7 Very infrequently	55	4%	7	2%	-45%	-6%
8 I don't know / not applicable	26					
- No Response	120					
Total	1,457	100%				100%



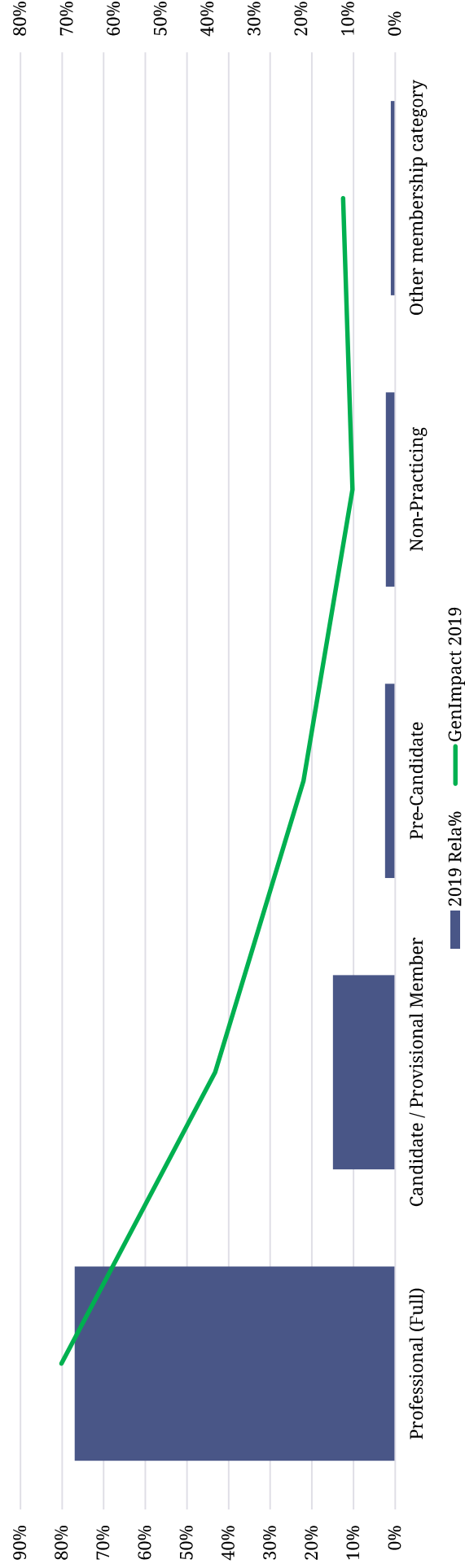
Selected Key Statistics		2019	2011
Central Tendency			
Mean		3.45	3.93
Median		3.00	4.00
Dispersion			
Standard Deviation		1.74	1.87
Correlation			
General Impact		0.67	NA
Performance			
2019		2011	
Top Two	33%	Top Two	26%
Top Three	62%	Top Three	48%

2019 CIP Climate Change Survey



Q4. Please indicate which of the following best describes your CIP membership category.

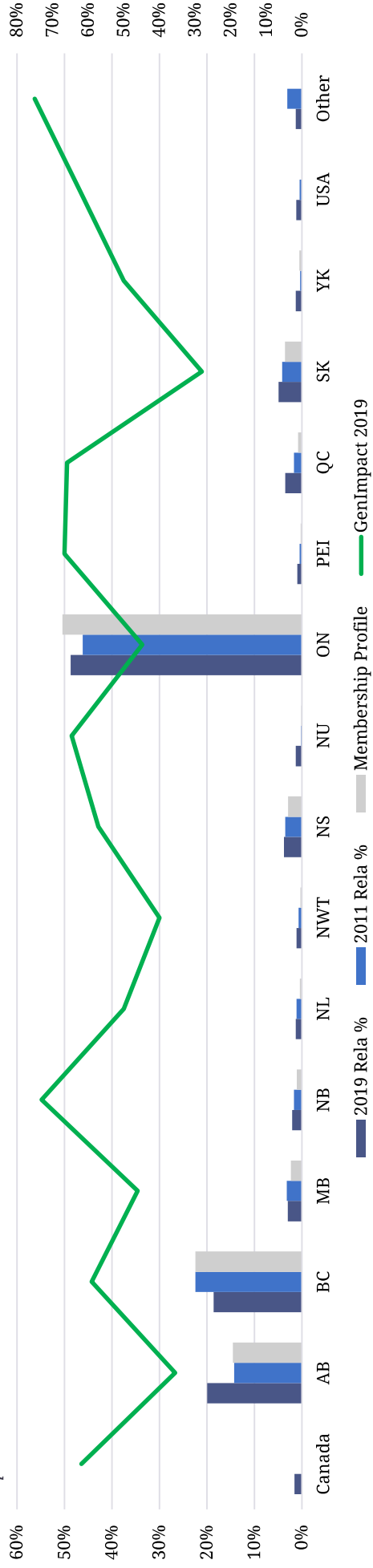
2019 SUMMARY						
Responses	Count	Rela%	Rank	Gen Impact	Index	
1 Professional (Full)	1058	77%	1	71%	24%	
2 Candidate / Provisional Member	205	15%	2	38%	-9%	
3 Pre-Candidate	33	2%	3	20%	-28%	
4 Non-Practicing	31	2%	5	9%	-38%	
5 Other membership category	15	1%	7	11%	-36%	
6 I am not a member	20		6	0%	-47%	
7 Other (please specify):	33	2%	3	67%	20%	
- No Response	62					
Total	1,457	100%				



Q5. Please indicate in which geographical region(s) you conduct the majority of your planning work. Please choose all that apply.

2019 SUMMARY							2011*	
Responses	Count	Rela%	Rank	Gen Impact	Index	Rela%	Δ Rela%	
1 Canada wide (All provinces and territories)	21	2%	9	62%	15%	-	-	
2 Alberta	268	20%	2	36%	-1%	14%	6%	
3 British Columbia	250	19%	3	59%	12%	22%	-4%	
4 Manitoba	40	3%	7	46%	1%	3%	0%	
5 New Brunswick	28	2%	8	73%	16%	2%	0%	
6 Newfoundland and Labrador	18	1%	10	50%	3%	1%	0%	
7 Northwest Territories	15	1%	15	40%	7%	1%	0%	
8 Nova Scotia	51	4%	5	57%	10%	4%	0%	
9 Nunavut	18	1%	10	65%	18%	0%	1%	
10 Ontario	654	49%	1	45%	12%	46%	3%	
11 Prince Edward Island	13	1%	16	67%	10%	0%	0%	
12 Quebec	47	3%	6	66%	19%	2%	2%	
13 Saskatchewan	66	5%	4	28%	-1%	4%	1%	
14 Yukon	18	1%	10	50%	3%	0%	1%	
15 United States of America	16	1%	14	63%	15%	0%	1%	
16 Other (please specify):	18	1%	10	75%	18%	3%	-2%	
17 I do not know / not applicable	2							
- No Response	112							
Total	1,457							

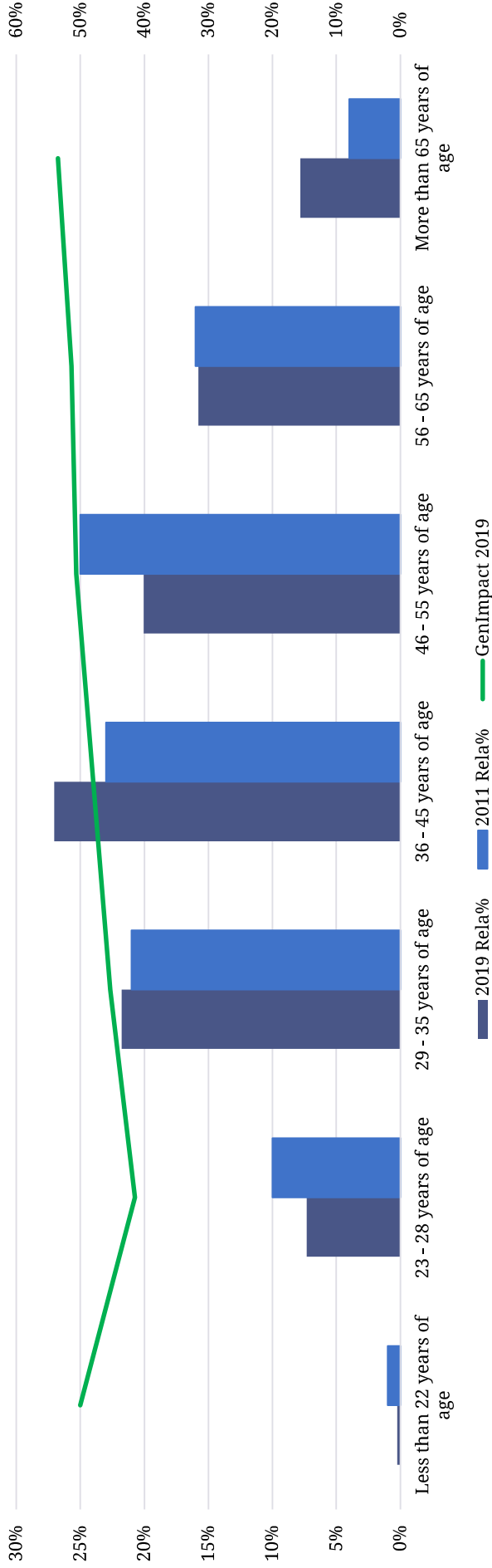
*Note: New options added in 2019



2019 CIP Climate Change Survey

Q16. Please tell us your age.

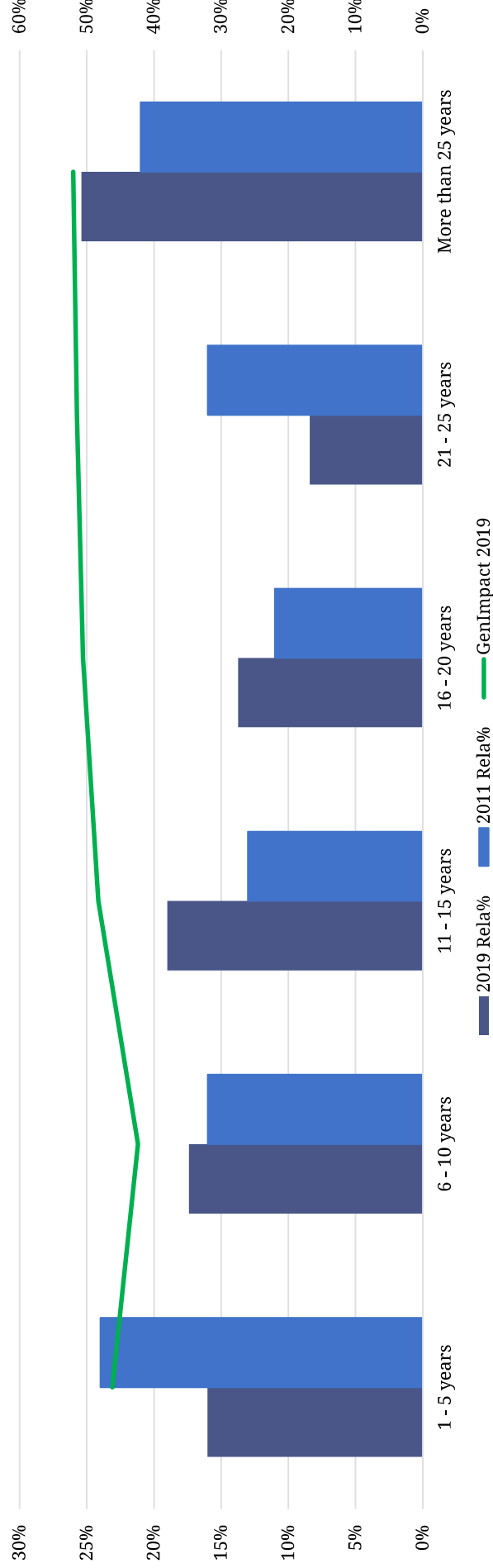
Responses	2019 SUMMARY					2011	
	Count	Rela%	Rank	Gen Impact	Index	Rela%	Δ Rela%
1 Less than 22 years of age	3	0%	8	50%	3%	1%	-1%
2 23 - 28 years of age	89	7%	6	41%	8%	10%	-3%
3 29 - 35 years of age	265	22%	2	45%	1%	21%	1%
4 36 - 45 years of age	329	27%	1	48%	1%	23%	4%
5 46 - 55 years of age	244	20%	3	51%	4%	25%	-5%
6 56 - 65 years of age	192	16%	4	51%	4%	16%	0%
7 More than 65 years of age	95	8%	5	53%	6%	4%	4%
8 I prefer not to respond	20	2%				2%	0%
- No Response	240						
Total	1,457	100%				100%	



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Q17. Please tell us how many years you have worked in the planning sector.

Responses	2019 SUMMARY						2011	
	Count	Rela%	Rank	Gen Impact	Index	Rela%	Δ Rela%	
1 1 - 5 years	198	16%	4	46%	11%	24%	-8%	
2 6 - 10 years	215	17%	3	42%	10%	16%	1%	
3 11 - 15 years	235	19%	2	48%	17%	13%	6%	
4 16 - 20 years	170	14%	5	51%	3%	11%	3%	
5 21 - 25 years	104	8%	6	51%	4%	16%	-8%	
6 More than 25 years	314	25%	1	52%	5%	21%	4%	
- No Response	221							
Total	1,457	100%				101%		

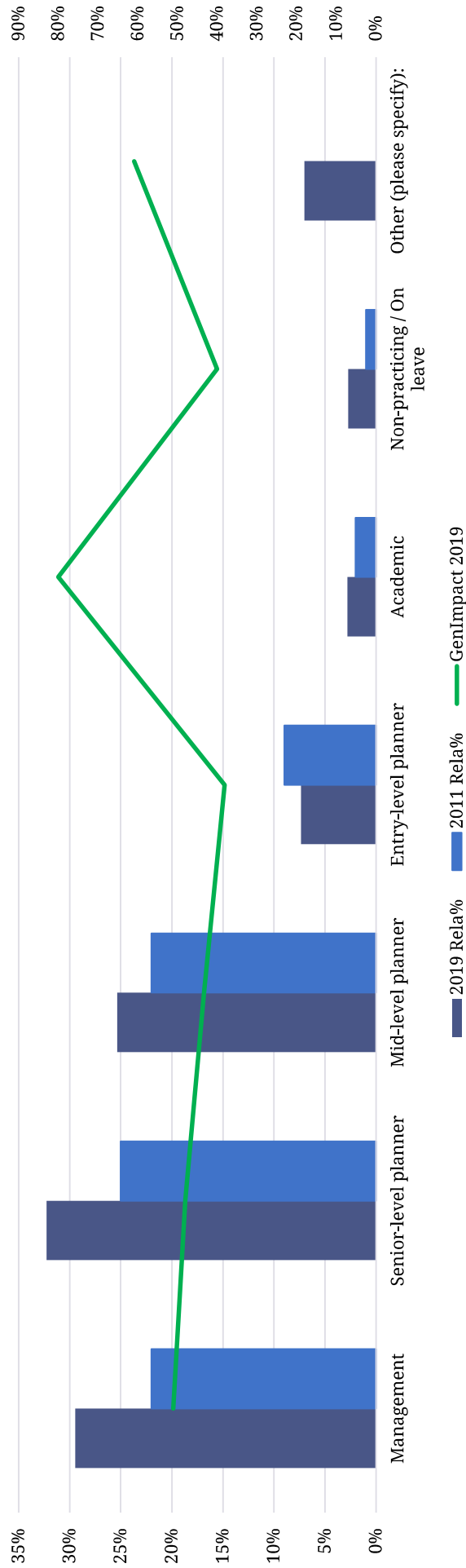


2019 CIP Climate Change Survey

Q18. Please tell us which statement best describes your current job:

Responses	2019 SUMMARY					2011	
	Count	Rela%	Rank	Gen Impact	Index	Rela%	Δ Rela%
1 Management	336	29%	2	51%	4%	22%	7%
2 Senior-level planner	368	32%	1	48%	1%	25%	7%
3 Mid-level planner	289	25%	3	43%	-4%	22%	3%
4 Entry-level planner	84	7%	4	38%	-9%	9%	-2%
5 Academic	32	3%	6	80%	33%	2%	1%
6 Non-practicing / On leave	31	3%	7	40%	-7%	1%	2%
7 Other (please specify):	80	7%	5	61%	14%		
8 I prefer not to respond	16						
- No Response	317						
Total	1,457	100%				81%	

*Note: Response options changed in 2019, results not directly comparable

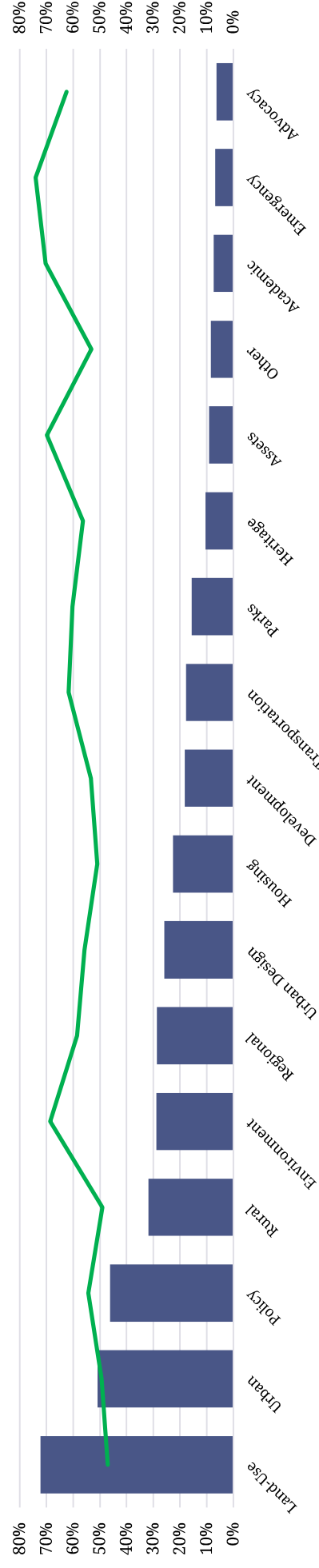


Q19. Please tell us which of the following most closely describes the type of work you do in planning. Please choose all that apply.

2019 SUMMARY

Responses	Count	Rela%	Rank	Gen Impact	Index
1 Urban	603	51%	2	49%	2%
2 Rural	377	32%	4	49%	2%
3 Transportation	210	18%	10	62%	15%
4 Environment	342	29%	5	69%	21%
5 Regional	339	29%	6	59%	11%
6 Urban Design	306	26%	7	56%	9%
7 Housing / Real estate	268	23%	8	51%	4%
8 Heritage	124	10%	12	56%	9%
9 Land-Use	856	72%	1	47%	0%
10 Advocacy	75	6%	17	63%	15%
11 Open space and parks	185	16%	11	60%	13%
12 Emergency Response/Disaster Preparedness	80	7%	16	74%	27%
13 Asset Management	107	9%	13	70%	23%
14 Academic/research	87	7%	15	70%	23%
15 Policy and/or Legal	547	46%	3	54%	7%
16 Social or community development	216	18%	9	53%	6%
17 Other (please specify):	100	8%	14	53%	6%
18 I do not know / not applicable	10				
- No Response	262				
Total	1,457				

*Note: Question not asked in 2011

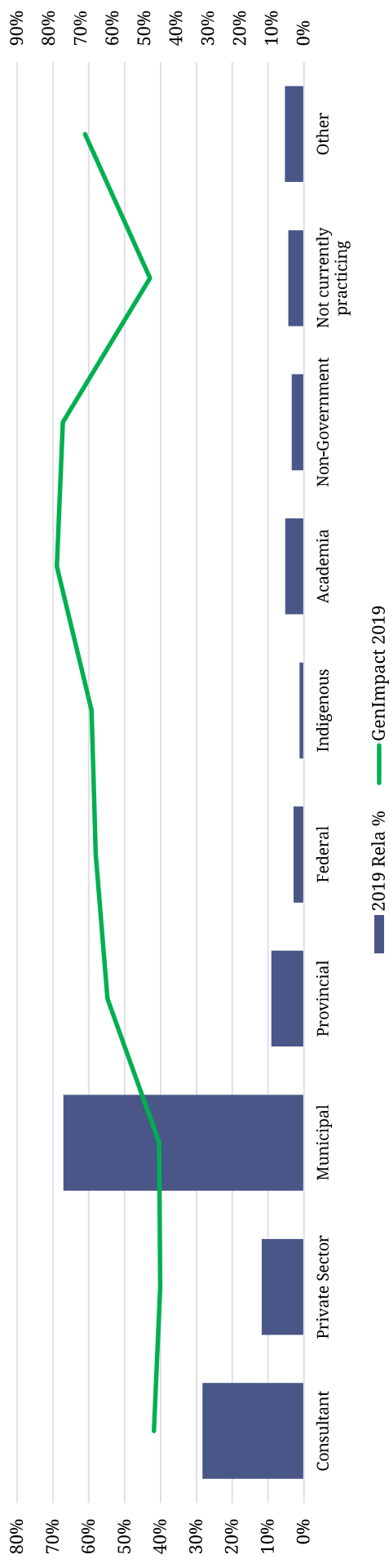


2019 CIP Climate Change Survey

Q20. Please tell us in which area of the industry you are currently employed. Please choose all that apply.

Responses	2019 SUMMARY					2011*		
	Count	Rela%	Rank	Gen Impact	Index	Rela%	Δ	Rela%
1 Private consultant	277	28%	2	47%	0%	27%		1%
2 Private sector / Industry	115	12%	3	45%	-2%	-		-
3 Government – Municipal or regional level	657	67%	1	45%	-2%	63%		16%
4 Government – Provincial/Territorial level	89	9%	4	62%	15%			
5 Government – Federal level	28	3%	9	65%	18%			
6 Indigenous Nation/Band/Community	12	1%	10	67%	20%	-		-
7 Academia/Research institution	51	5%	6	78%	30%	3%		2%
8 Non-Governmental Organization	33	3%	8	76%	29%	2%		1%
9 I am not currently practicing	43	4%	7	48%	1%	2%		2%
# Other (please specify):	52	5%	5	69%	22%			5%
- No Response	478							
Total	1,457							

*Note: Question options changed in 2019, results not comparable

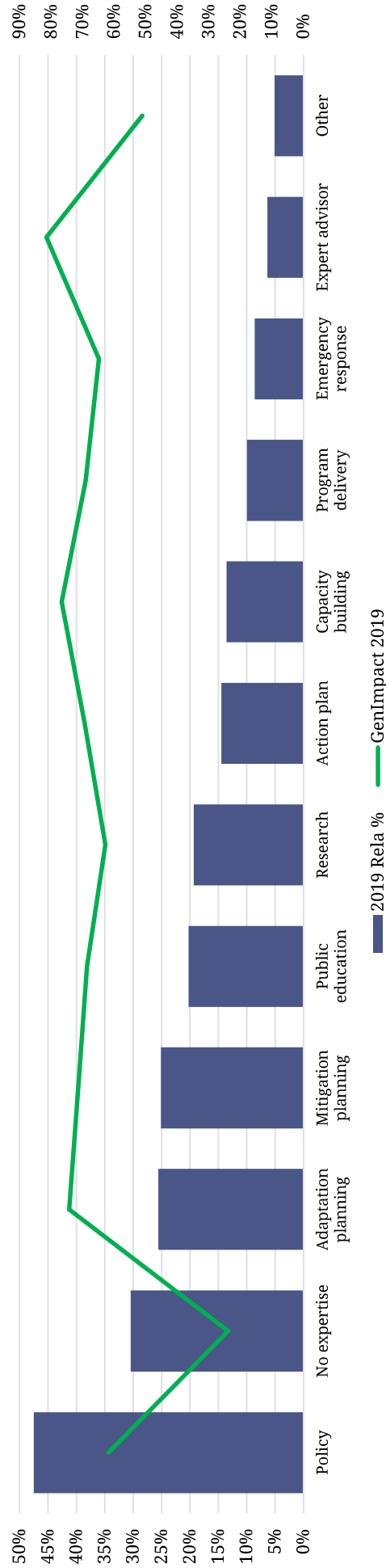


2019 CIP Climate Change Survey

Q21. Please indicate which, if any, of the following best describe your area of climate change experience and skills. Please choose all that apply.

2019 SUMMARY						
Responses	Count	Rela%	Rank	Gen Impact	Index	
1 Expert advisor (specific areas such as energy/carbon policy, public engagement)	69	6%	11	82%	35%	
2 Adaptation planning	285	25%	3	74%	47%	
3 Mitigation planning	283	24%	4	71%	44%	
4 Emergency response/disaster preparedness planning	93	8%	10	67%	40%	
5 Research	217	19%	6	63%	36%	
6 Action plan implementation or monitoring	161	14%	7	71%	43%	
7 Policy and regulatory development (including zoning)	527	46%	1	63%	36%	
8 Public education or engagement	221	19%	5	70%	43%	
9 Program delivery	116	10%	9	71%	43%	
10 Capacity building	154	13%	8	74%	47%	
11 I have no expertise in climate change planning	369	32%	2	24%	23%	
12 Other (please specify):	55	5%	12	49%	2%	
13 I do not know / not applicable	49					
- No Response	252					
Total	1,457					

*Note: Question not asked in 2011

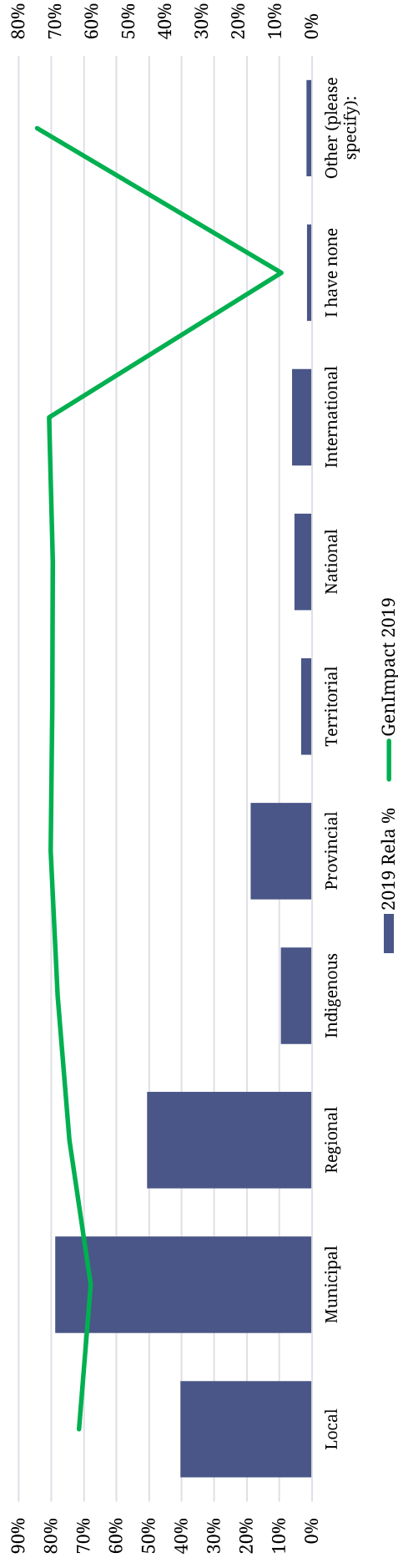


2019 CIP Climate Change Survey

Q22. Please indicate the geographic focus of your professional climate change planning experience. Please choose all that apply.

2019 SUMMARY						
Responses	Count	Rela%	Rank	Gen Impact	Index	
1 Neighborhood/Local	316	40%	3	64%	16%	
2 Municipal	617	79%	1	60%	13%	
3 Regional	396	51%	2	66%	19%	
4 Indigenous Nation/Band/Community	75	10%	5	69%	22%	
5 Provincial	147	19%	4	71%	24%	
6 Territorial	26	3%	8	71%	24%	
7 National	42	5%	7	71%	24%	
8 International	48	6%	6	72%	25%	
9 I have no expertise in climate change planning	12	2%	10	8%	-39%	
# Other (please specify):	13	2%	9	75%	28%	
# I do not know / not applicable	6					
- No Response	668					
Total	1,457					

*Note: Question not asked in 2011

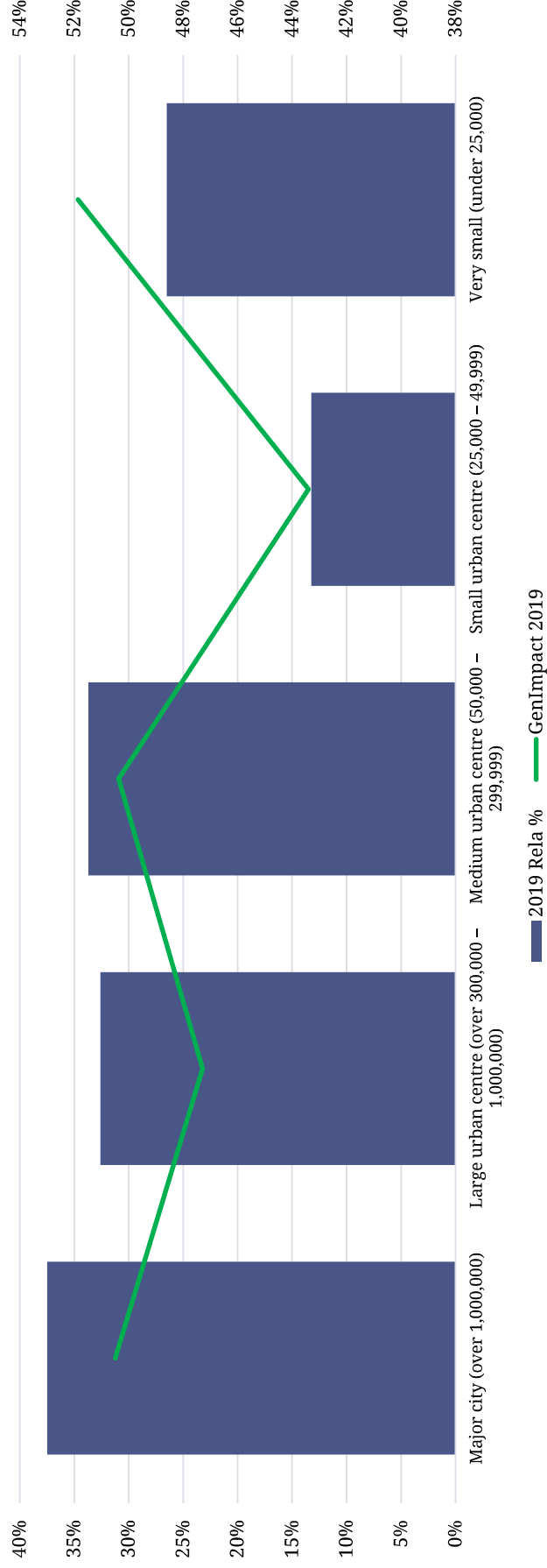


2019 CIP Climate Change Survey

Q24. If you work with/ in a community, what size is it?

2019 SUMMARY						
Responses	Count	Rela%	Rank	Gen Impact	Index	
1 Major city (over 1,000,000)	308	37%	1	50%	3%	
2 Large urban centre (over 300,000 – 1,000,000)	268	33%	3	47%	0%	
3 Medium urban centre (50,000 – 299,999)	277	34%	2	50%	3%	
4 Small urban centre (25,000 – 49,999)	109	13%	6	43%	-1%	
5 Very small (under 25,000)	218	27%	4	52%	5%	
6 Not applicable	144					
- No Response	491					
Total	1,457					

*Note: Question not asked in 2011

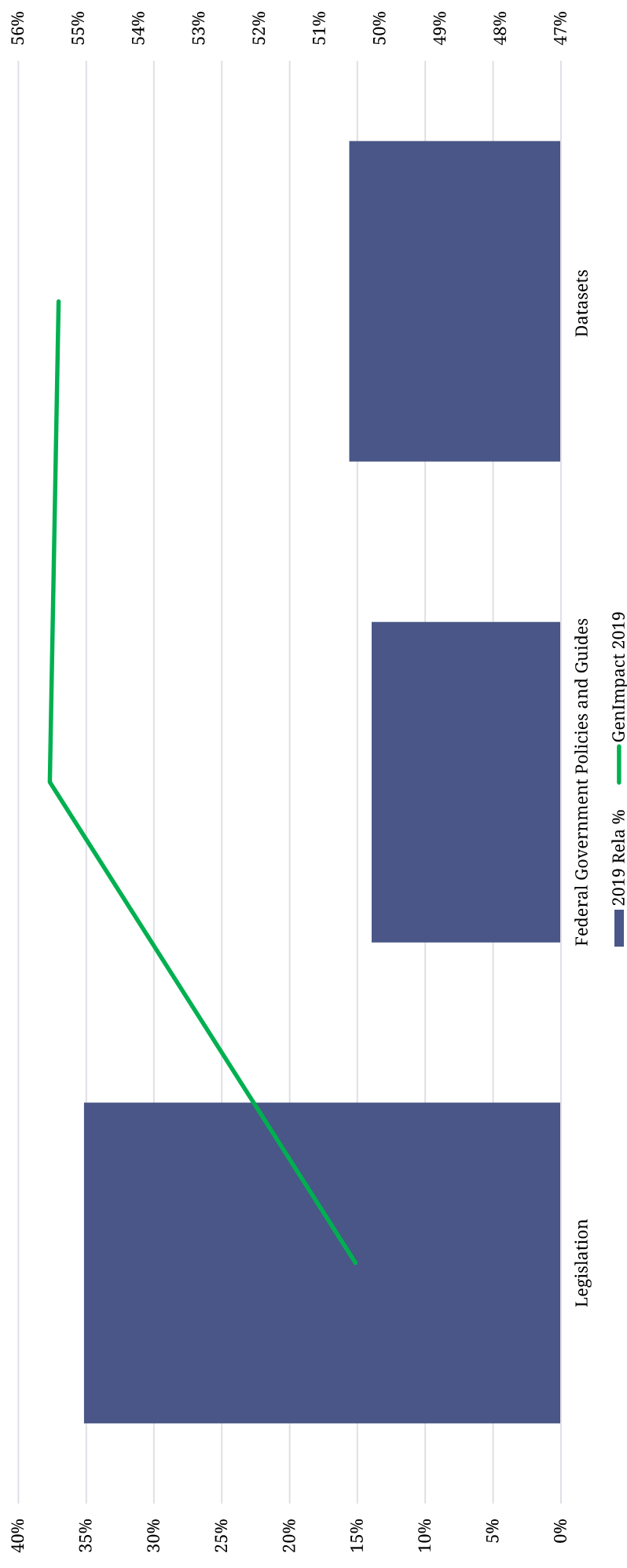


2019 CIP Climate Change Survey

Q26. Please indicate how strongly you agree or disagree with the following statement:.....

2019 SUMMARY							
Responses	Mean	Median	Score	CorrGen	Gen Impact	Index	Top Two
1 "my climate change planning experience includes work in rural and/or remote areas of Canada:	4.42	4.00	43%	0.20	50%	3%	35%
2 "my climate change planning experience includes work with Indigenous communities in Canada."	5.43	6.00	26%	0.22	55%	8%	14%
3 "my climate change planning experience includes work with vulnerable populations in Canada."	5.12	6.00	31%	0.33	55%	8%	16%

*Note: Question not asked prior to 2019

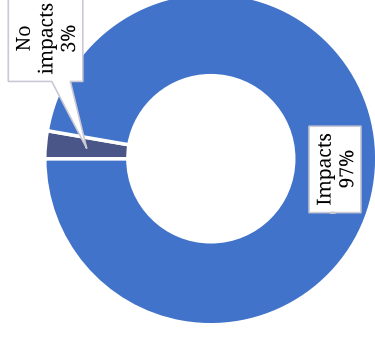
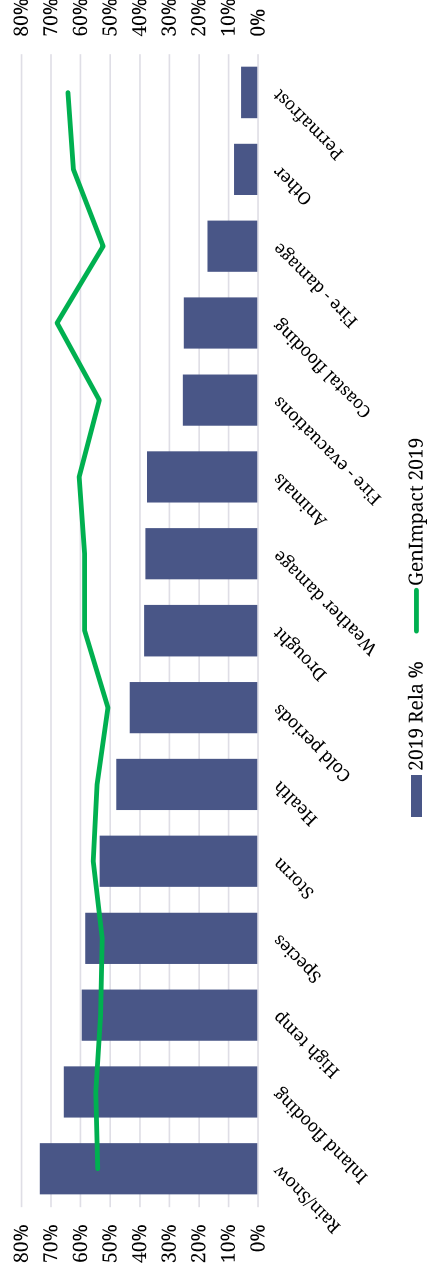




Q9. Please indicate which of the following, if any, you have experienced in the regions or communities where you practice. Please choose all that apply.

2019 SUMMARY					
Responses	Count	Rela%	Rank	Gen Impact	Index
1 None of the items listed below	33				
2 Inland flooding, requiring significant or uncommon protection measures, or causing significant damage to public and private property	800	66%	2	55%	18%
3 Coastal flooding, requiring significant or uncommon protection measures, or causing significant damage to public and private property	306	25%	12	68%	21%
4 More intense and/or severe high rain or snowfall	897	74%	1	54%	7%
5 Drought requiring significant or uncommon water restrictions	469	39%	8	59%	12%
6 A forest fire that resulted in evacuations or an evacuation alert	310	25%	11	54%	7%
7 A forest fire that resulted in damage to buildings or other infrastructure	208	17%	13	52%	5%
8 More frequent and/or intense high temperatures for a prolonged period of time	725	60%	3	53%	6%
9 More frequent and/or intense severe cold periods, for a prolonged period of time	528	43%	7	51%	4%
10 Other severe weather-related event or events that have resulted in significant damage to public and private property	464	38%	9	59%	12%
11 More frequent and/or increased severe storm events (high wind, hurricanes, etc.)	652	54%	5	56%	9%
12 Permafrost melt	70	6%	15	64%	17%
13 Invasive species (insects, plants, etc.)	711	58%	4	53%	6%
14 Human health impacts (heat stress, smog, etc.)	584	48%	6	54%	7%
15 Climate-related change to vegetation or animal populations (loss of natural vegetation, change in migration patterns, etc.)	456	38%	10	60%	13%
16 Other/Comments (please specify):	100	8%	14	63%	15%
17 I do not know / not applicable	25				
- No Response	183				
Total	1,457				

*Note: Question not asked prior to 2019



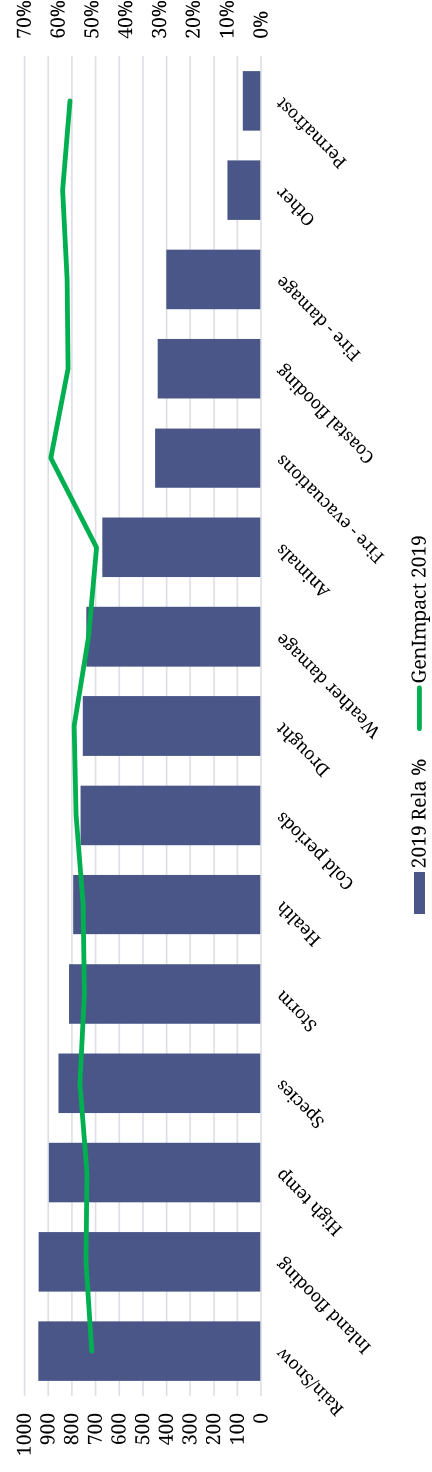


Q10. Please indicate which of the following impacts you believe you will have to address in your professional planning practice within next 10 years. Please choose all that apply.

2019 SUMMARY

Responses	Count	Rela %	Rank	Gen Impact	Index
1 None of the items listed below	22				
2 Inland flooding, requiring significant or uncommon protection measures, or causing significant damage to public and private property	941	78%	2	52%	5%
3 Coastal flooding, requiring significant or uncommon protection measures, or causing significant damage to public and private property	449	37%	11	62%	15%
4 High rain or snowfall, above the annual normal	942	78%	1	50%	3%
5 Drought requiring significant or uncommon water restrictions	739	61%	9	51%	4%
6 A forest fire that resulted in evacuations or an evacuation alert	438	36%	12	57%	10%
7 A forest fire that resulted in damage to buildings or other infrastructure	401	33%	13	57%	10%
8 More frequent and/or intense high temperatures for a prolonged period of time	898	75%	3	52%	4%
9 More frequent and/or intense severe cold periods, for a prolonged period of time	672	56%	10	49%	2%
10 Other severe weather-related event or events that have resulted in significant damage to public and private property	754	63%	8	55%	8%
11 More frequent and/or increased severe storm events (high wind, hurricanes, etc.)	857	71%	4	54%	7%
12 Permafrost melt	143	12%	14	59%	12%
13 Invasive species (insects, plants, etc.)	794	66%	6	53%	6%
14 Human health impacts (heat stress, smog, etc.)	812	68%	5	52%	5%
15 Climate-related change to vegetation or animal populations (loss of natural vegetation, change in migration patterns, etc.)	764	64%	7	55%	8%
16 Other/Comments (please specify):	78	6%	15	57%	9%
17 I do not know / not applicable	43				
- No Response	190				
Total	1,457				

*Note: Question not asked prior to 2019

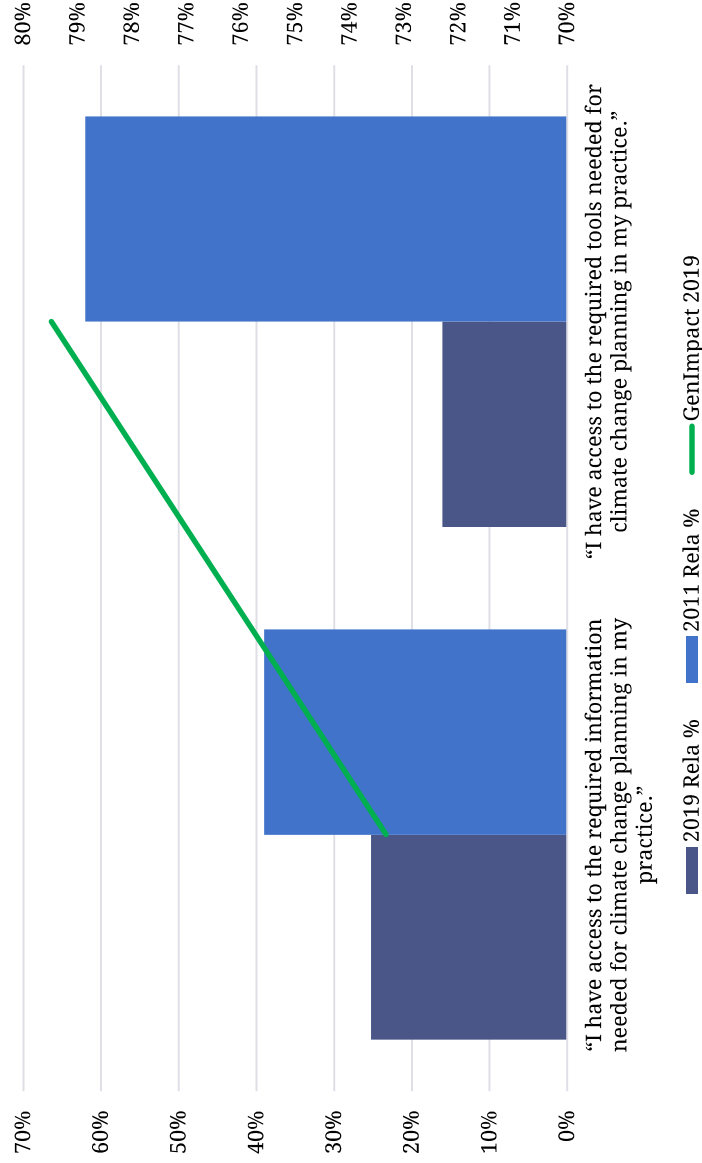




2019 CIP Climate Change Survey

Q11. Please indicate how strongly you agree or disagree with each of the following statements:

2019 SUMMARY										2011*	
Responses	Mean	Median	Score	CorrGen	Gen Impact	Index	Top Two	Δ Top Two	Top Two	Top Two	
1 "I have access to the required information needed for climate change planning in my practice."	3.62	3.00	56%	0.38	73%	26%	25%	-14%	39%		
2 "I have access to the required tools needed for climate change planning in my practice."	4.05	4.00	49%	0.35	79%	32%	16%	-46%	62%		



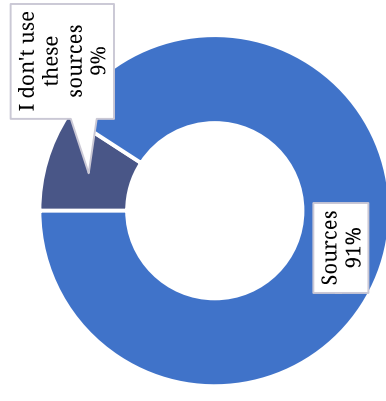
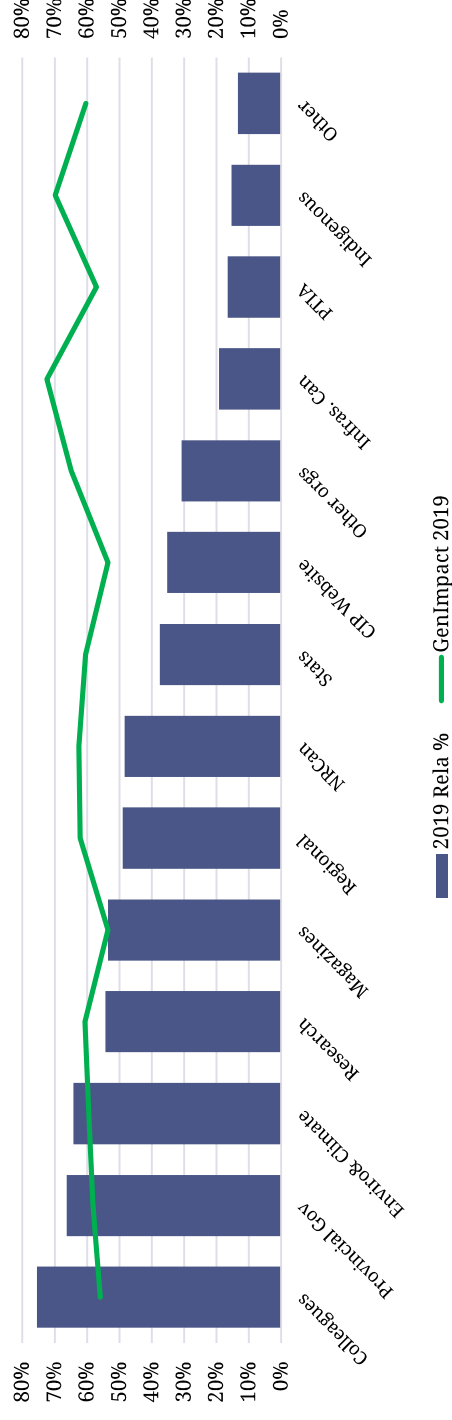


Q12. When looking for information that will inform your climate change planning work, which sources of information do you consult? Please choose all that apply.

2019 SUMMARY

Responses	Count	Rela%	Rank	Gen Impact	Index
1 I have not consulted any of these sources listed below	95				
2 CIP website (climate change information available for download and links)	366	35%	9	53%	6%
3 Resources from other national organizations (i.e. Royal Architectural Institute of Canada)	320	31%	10	65%	18%
4 Statistics Canada	389	37%	8	60%	13%
5 Natural Resources Canada	502	48%	7	62%	15%
6 Infrastructure Canada	199	19%	11	72%	25%
7 Environment and Climate Change Canada	666	64%	3	59%	12%
8 Provincial/territorial government departments or agencies responsible for climate change programs	688	66%	2	58%	11%
9 Provincial and Territorial Planning Institute (PTIA)	171	16%	12	57%	10%
# Regional climate change resources or organizations	508	49%	6	62%	15%
# Colleagues and/or my professional network	783	75%	1	56%	9%
# Local Indigenous or traditional knowledge sources	159	15%	13	70%	23%
# Published case studies and research	564	54%	4	61%	14%
# Magazines and journals (e.g. Plan Canada magazine)	555	53%	5	54%	6%
# Other/Comments (please specify):	139	13%	14	60%	13%
# I do not know / not applicable	45				
- No Response	279				
Total	1,457				

*Note: Question not asked prior to 2019



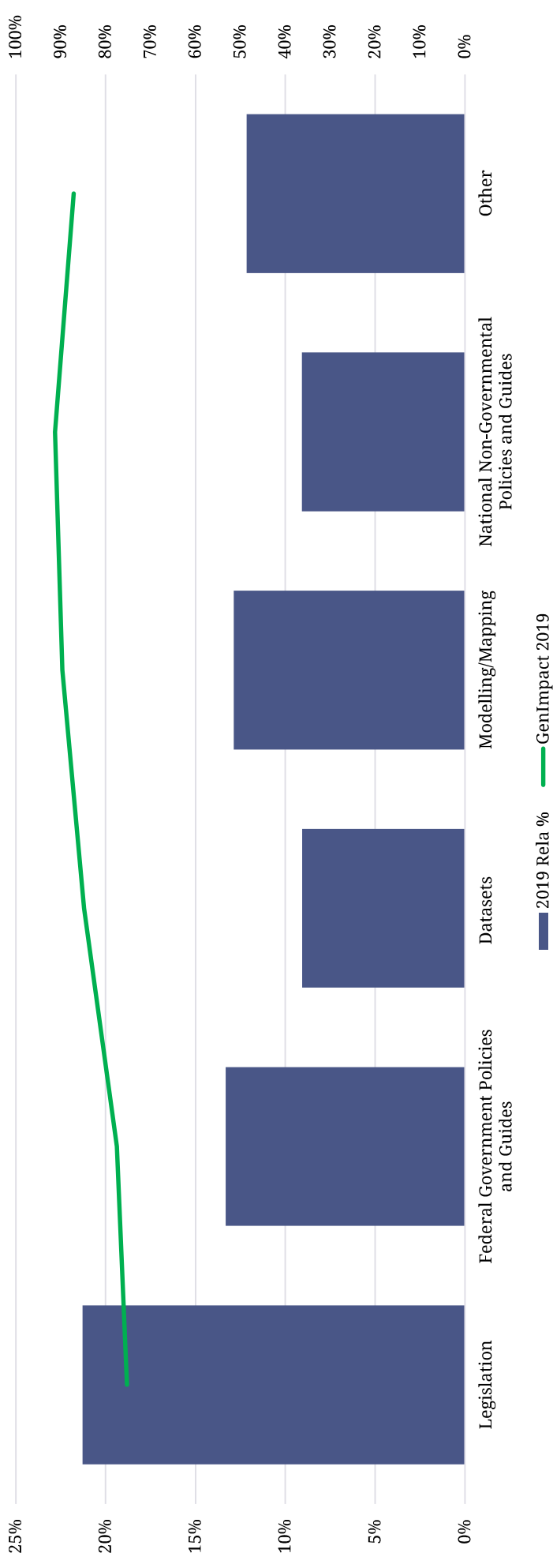
2019 CIP Climate Change Survey



Q13. Please indicate how frequently or infrequently you use each of the following planning tools with respect to addressing the impact of climate change: National tools

2019 SUMMARY							
Responses	Mean	Median	Score	CorrGen	Gen Impact	Index	Top Two
1 Legislation (e.g. Environmental Impact Legislation)	4.56	4.00	41%	0.34	75%	28%	21%
2 Federal Government Policies and Guides	4.86	5.00	36%	0.38	78%	30%	13%
3 Datasets (e.g. Green House Gas Data)	5.21	5.00	30%	0.37	85%	38%	9%
4 Modelling/Mapping (e.g. Climate Atlas of Canada)	5.01	5.00	33%	0.37	90%	43%	13%
5 National Non-Governmental Policies and Guides (e.g. CIP's Climate Change Policy)	5.09	5.00	32%	0.36	91%	44%	9%
6 Other (Please specify in the space provided below)	6.14	8.00	14%	0.25	87%	40%	12%

*Note: Question not asked prior to 2019

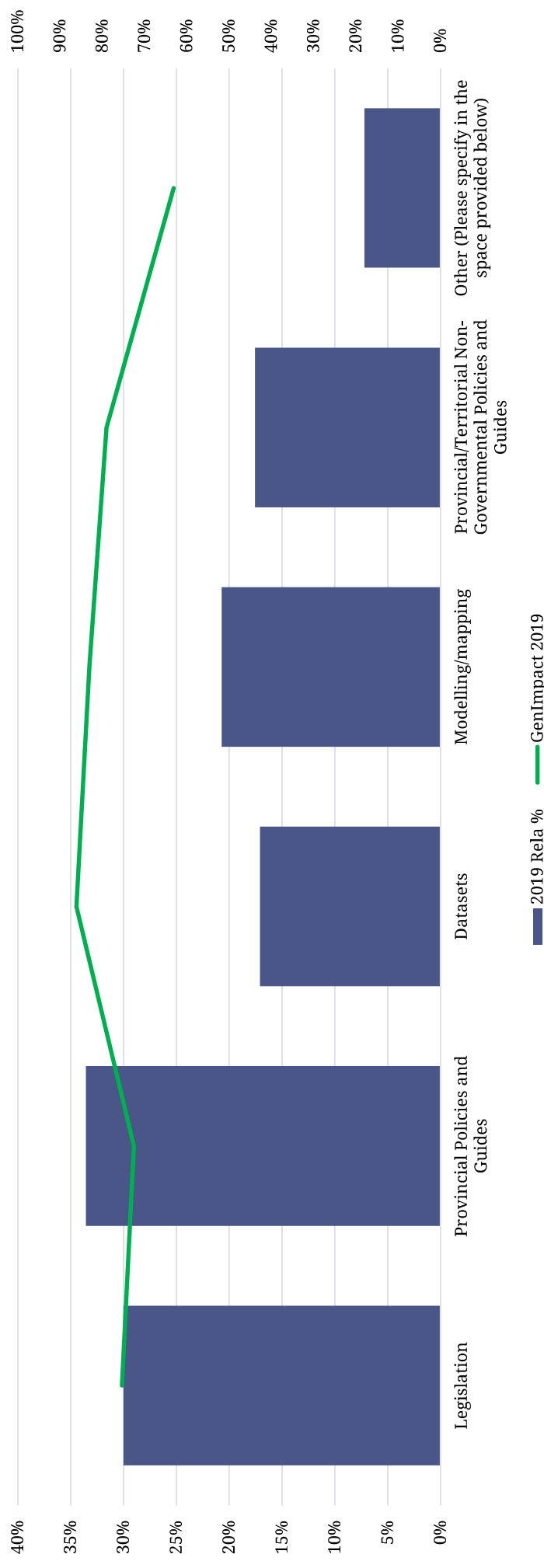




Q13. Please indicate how frequently or infrequently you use each of the following planning tools with respect to addressing the impact of climate change: Provincial/Territorial tools

2019 SUMMARY							
Responses	Mean	Median	Score	CorrGen	Gen Impact	Index	Top Two
1 Legislation	4.02	3.00	50%	0.38	75%	28%	30%
2 Provincial Policies and Guides	3.76	3.00	54%	0.40	73%	25%	34%
3 Datasets	4.79	5.00	37%	0.39	86%	39%	17%
4 Modelling/mapping	4.48	4.00	42%	0.38	83%	36%	21%
5 Provincial/Territorial Non-Governmental Policies and Guides	4.59	4.00	40%	0.38	79%	32%	18%
6 Other (Please specify in the space provided below)	6.35	8.00	11%	0.23	63%	16%	7%

*Note: Question not asked prior to 2019

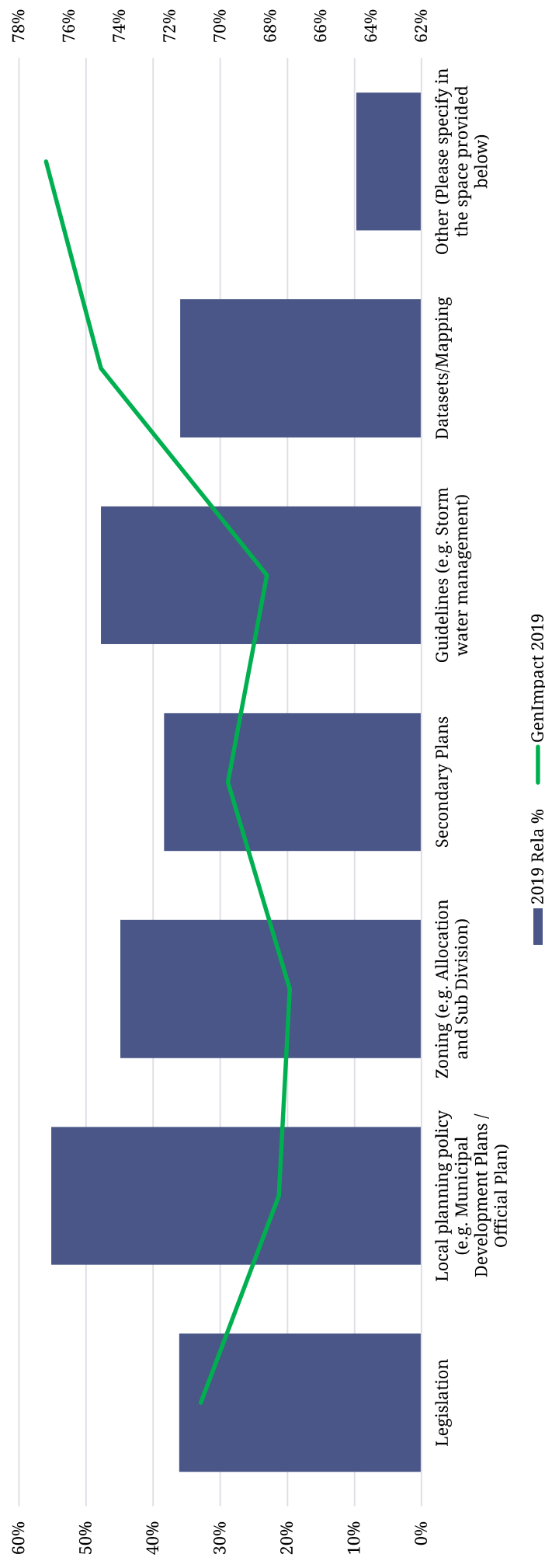




Q13. Please indicate how frequently or infrequently you use each of the following planning tools with respect to addressing the impact of climate change: Regional / Local tools

2019 SUMMARY							
Responses	Mean	Median	Score	CorrGen	Gen Impact	Index	Top Two
1 Legislation	3.82	3.00	53%	0.31	71%	24%	36%
2 Local planning policy (e.g. Municipal Development Plans / Official Plan)	2.94	2.00	68%	0.34	68%	21%	55%
3 Zoning (e.g. Allocation and Sub Division)	3.50	3.00	58%	0.28	67%	20%	45%
4 Secondary Plans	3.87	3.00	52%	0.26	70%	23%	38%
5 Guidelines (e.g. Storm water management)	3.21	3.00	63%	0.32	68%	21%	48%
6 Datasets/Mapping	3.80	3.00	53%	0.37	75%	28%	36%
7 Other (Please specify in the space provided below)	6.31	8.00	12%	0.24	77%	30%	10%

*Note: Question not asked prior to 2019



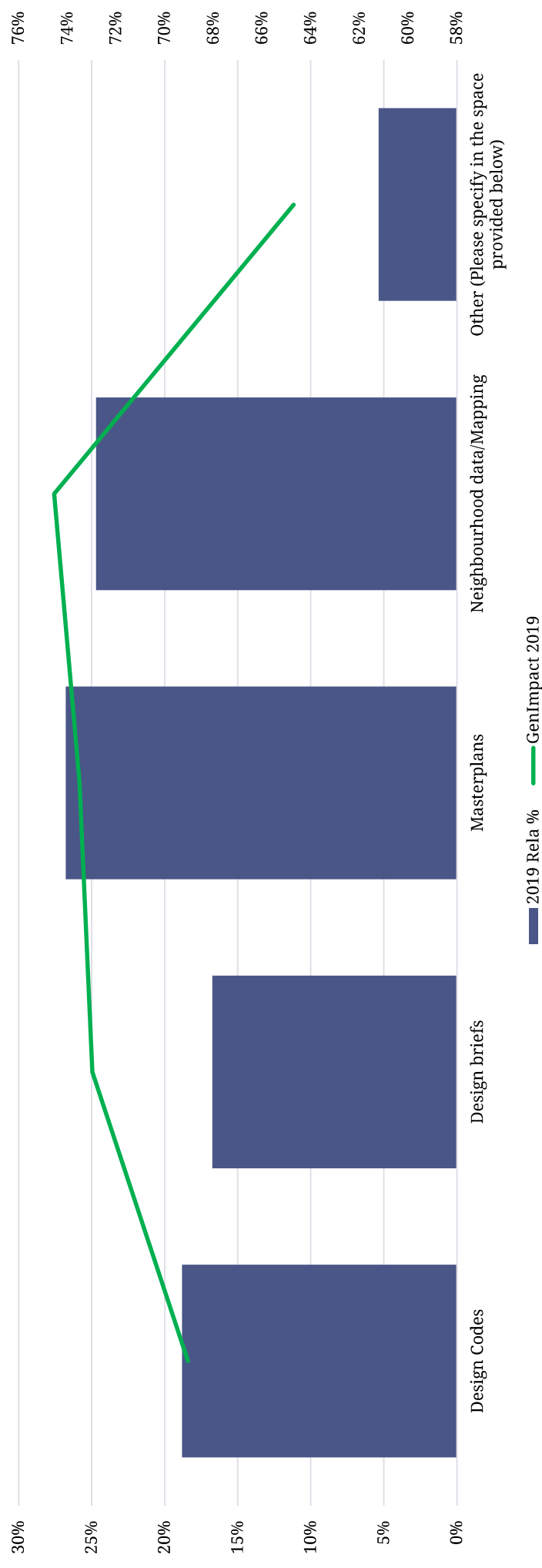


2019 CIP Climate Change Survey

Q13. Please indicate how frequently or infrequently you use each of the following planning tools with respect to addressing the impact of climate change: Neighborhood / site specific tools

2019 SUMMARY							
Responses	Mean	Median	Score	CorrGen	Gen Impact	Index	Top Two
1 Design Codes	5.06	5.00	32%	0.24	69%	22%	19%
2 Design briefs	5.16	5.00	31%	0.23	73%	26%	17%
3 Masterplans	4.43	4.00	43%	0.27	74%	26%	27%
4 Neighbourhood data/Mapping	4.56	4.00	41%	0.28	75%	27%	25%
5 Other (Please specify in the space provided below)	6.70	8.00	5%	0.16	65%	18%	5%

*Note: Question not asked prior to 2019



2019 CIP Climate Change Survey



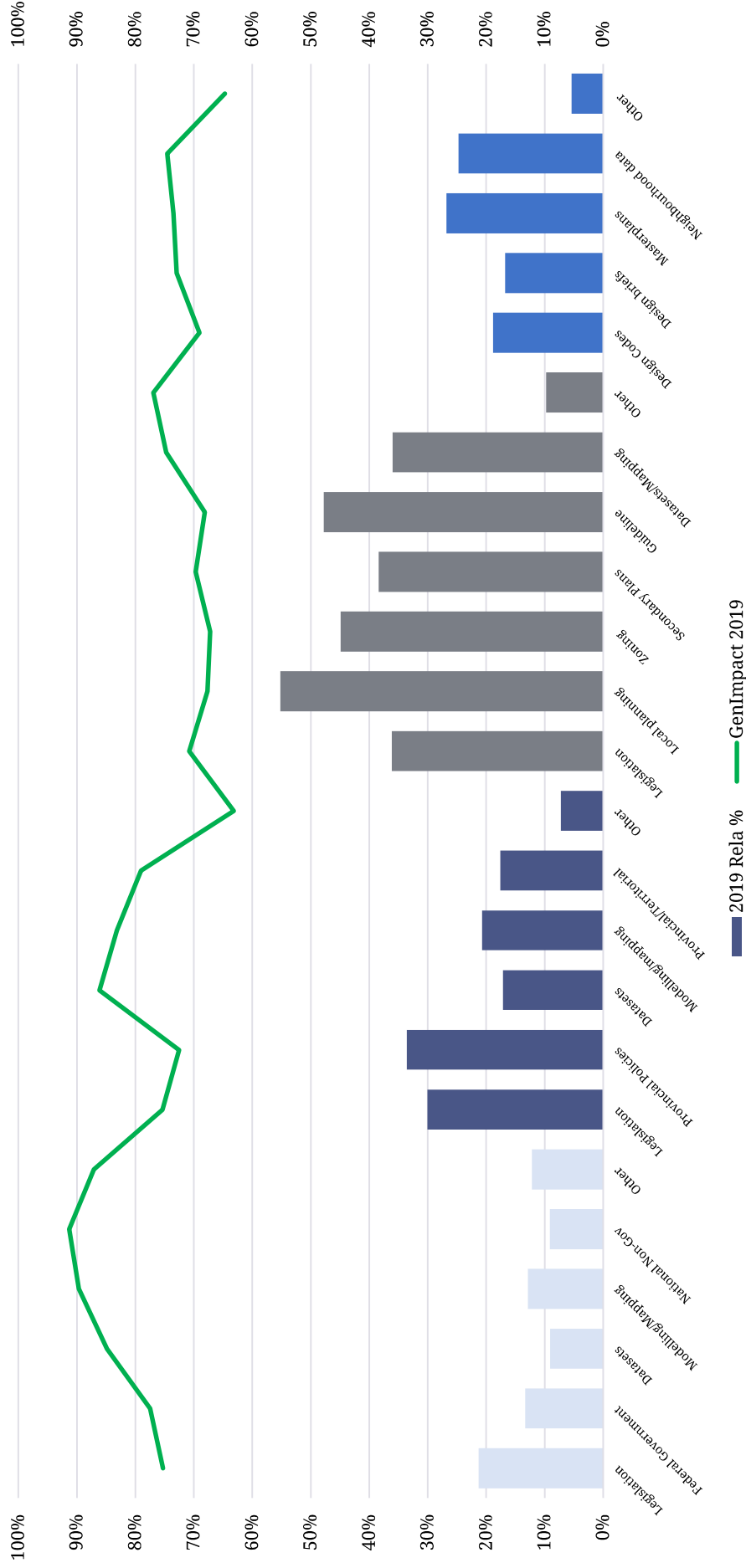
Q13. Please indicate how frequently or infrequently you use each of the following planning tools with respect to addressing the impact of climate change: SUMMARY

2019 SUMMARY		
National Tools	Top Two	Gen Impact
1 Legislation (e.g. Environmental Impact Legislation)	21%	75%
2 Federal Government Policies and Guides	13%	78%
3 Datasets (e.g. Green House Gas Data)	9%	85%
4 Modelling/Mapping (e.g. Climate Atlas of Canada)	13%	90%
5 National Non-Governmental Policies and Guides (e.g. CIP's Climate Change Policy)	9%	91%
6 Other (Please specify in the space provided below)	12%	87%
Provincial Tools	Top Two	Gen Impact
1 Legislation	30%	75%
2 Provincial Policies and Guides	34%	73%
3 Datasets	17%	86%
4 Modelling/mapping	21%	83%
5 Provincial/Territorial Non-Governmental Policies and Guides	18%	79%
6 Other (Please specify in the space provided below)	7%	63%
Regional Tools	Top Two	Gen Impact
1 Legislation	36%	71%
2 Local planning policy (e.g. Municipal Development Plans / Official Plan)	55%	68%
3 Zoning (e.g. Allocation and Sub Division)	45%	67%
4 Secondary Plans	38%	70%
5 Guidelines (e.g. Storm water management)	48%	68%
6 Datasets/Mapping	36%	75%
7 Other (Please specify in the space provided below)	10%	77%
Neighborhood Tools	Top Two	Gen Impact
1 Design Codes	19%	69%
2 Design briefs	17%	73%
3 Masterplans	27%	74%
4 Neighbourhood data/Mapping	25%	75%
5 Other (Please specify in the space provided below)	5%	65%



2019 CIP Climate Change Survey

Q13. Please indicate how frequently or infrequently you use each of the following planning tools with respect to addressing the impact of climate change: SUMMARY



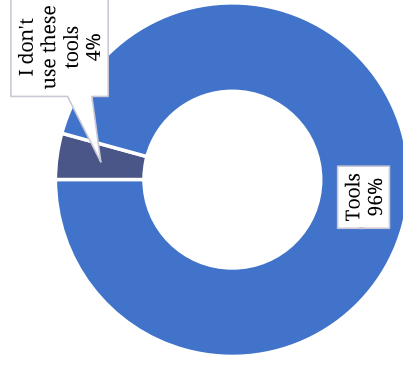
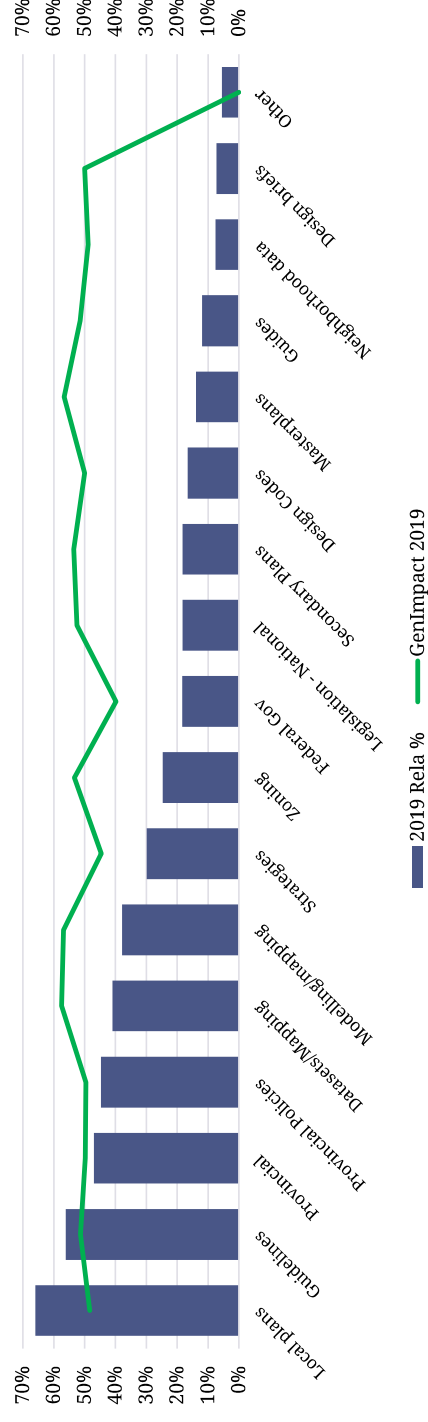


Q14. Please take a moment to consider the same set of tools described in the previous questions. When considering those tools, please indicate which five (5) you find to be the most effective for applying a climate lens to your planning work? Please choose no more than five (5).

2019 SUMMARY

Responses	Count	Rela%	Rank	Gen Impact	Index
1 I do not use any of these tools	49				
2 Datasets/Mapping	474	41%	5	58%	10%
3 Design briefs	88	8%	15	49%	2%
4 Design Codes	192	17%	12	50%	3%
5 Federal Government Policies and Guides	211	18%	10	52%	5%
6 Guidelines (e.g. Storm water management)	649	56%	2	51%	4%
7 Guides (Non-Government)	139	12%	14	51%	4%
8 Legislation - National (e.g. Environmental Impact Regulations)	211	18%	11	54%	6%
9 Legislation - Provincial	543	47%	3	50%	3%
10 Local planning policy (e.g. Official /Municipal Development Plans)	763	66%	1	48%	1%
11 Masterplans	161	14%	13	57%	10%
12 Modelling/mapping	438	38%	6	57%	10%
13 Neighborhood data	84	7%	16	50%	3%
14 Provincial Policies and Guides	517	45%	4	50%	3%
15 Secondary Plans	212	18%	9	40%	-7%
16 Zoning (e.g. Allocation and Sub Division)	285	25%	8	53%	6%
17 Strategies (e.g. infrastructure plan)	346	30%	7	45%	-2%
15 Other/Comments (please specify):	64	6%	17	0%	-47%
16 I do not know / not applicable	29				
- No Response	222				
Total	1,457				

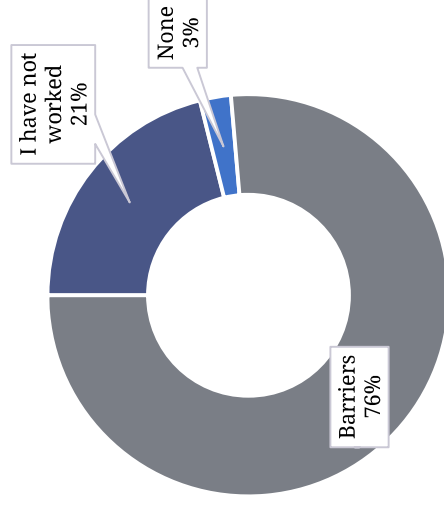
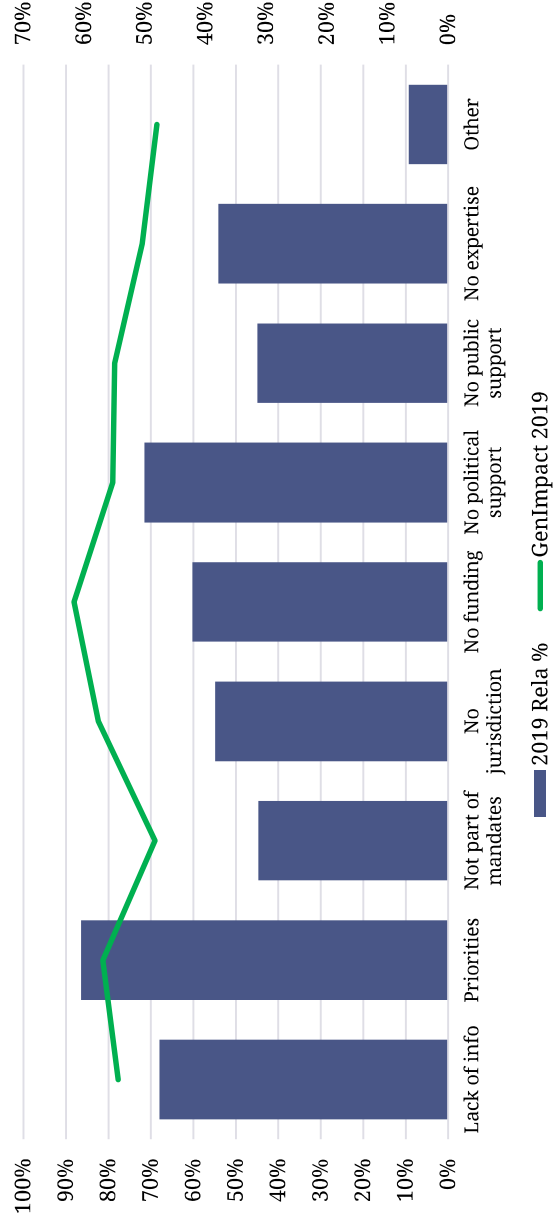
*Note: Question not asked prior to 2019



Q15. Please indicate which barriers, if any, you experience when incorporating the effects of a changing climate into your planning work. Please choose all that apply.

2019 SUMMARY						
Responses	Count	Rela%	Rank	Gen Impact	Index	
1 I have not worked on climate change planning	170					
2 None / I have not encountered any barriers	20					
3 Lack of information relevant to specific regions/sites/circumstances	547	68%	3	54%	7%	
4 Competing priorities (e.g. financial viability)	696	86%	1	57%	10%	
5 Not part of employer/client mandate(s)	360	45%	8	48%	1%	
6 Lack of jurisdiction or authority	442	55%	5	58%	11%	
7 Lack of funding or budgetary resources or staffing	485	60%	4	62%	15%	
8 Lack of political support	576	72%	2	55%	8%	
9 Lack of public support	362	45%	7	55%	8%	
10 Lack of expertise	436	54%	6	50%	3%	
11 Other/Comments (please specify):	75	9%	10	48%	1%	
12 I do not know / not applicable	23					
- No Response	439					
Total	1,457					

*Note: Question type changed in 2019, results not comparable





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