

Date: June 20, 2017

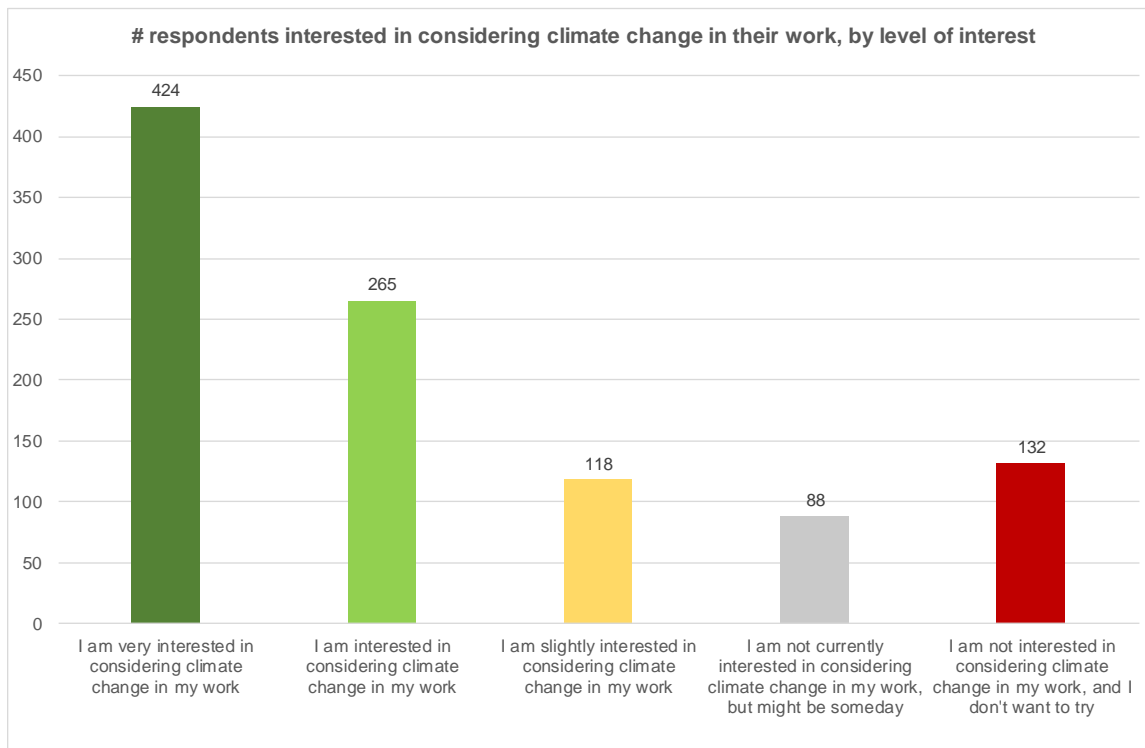
To: APEGBC CCAG Survey Sub-Committee

MEMO

Subject: Summary of Climate Change Survey Findings

1 INTEREST AND CURRENT LEVELS OF ACTIVITY IN CONSIDERING CLIMATE CHANGE

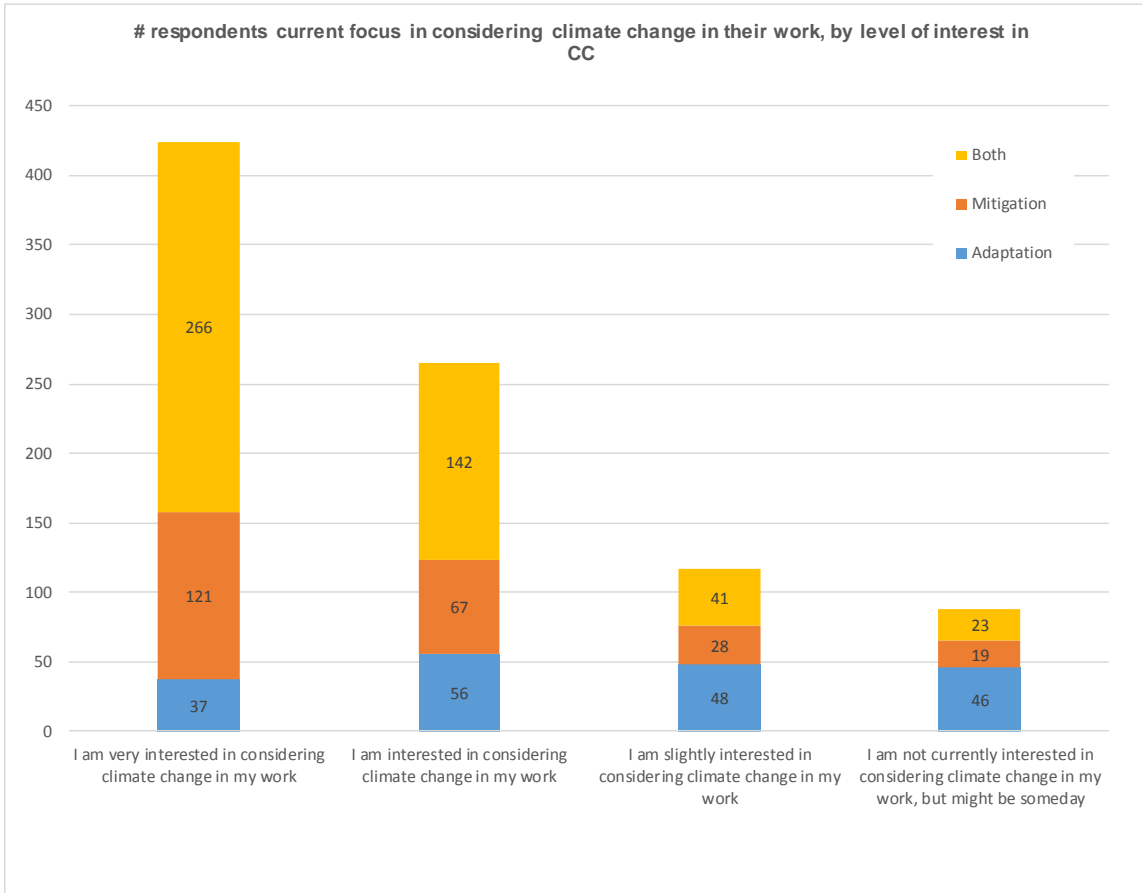
1.1 Interest in Considering Climate Change in Professional Practice



- **67%** of all respondents are 'very interested' or 'interested' in considering climate change in their work.
- **79%** of all respondents have an interest ('very interested', 'interested', or 'slightly interested') in considering climate change in their work.

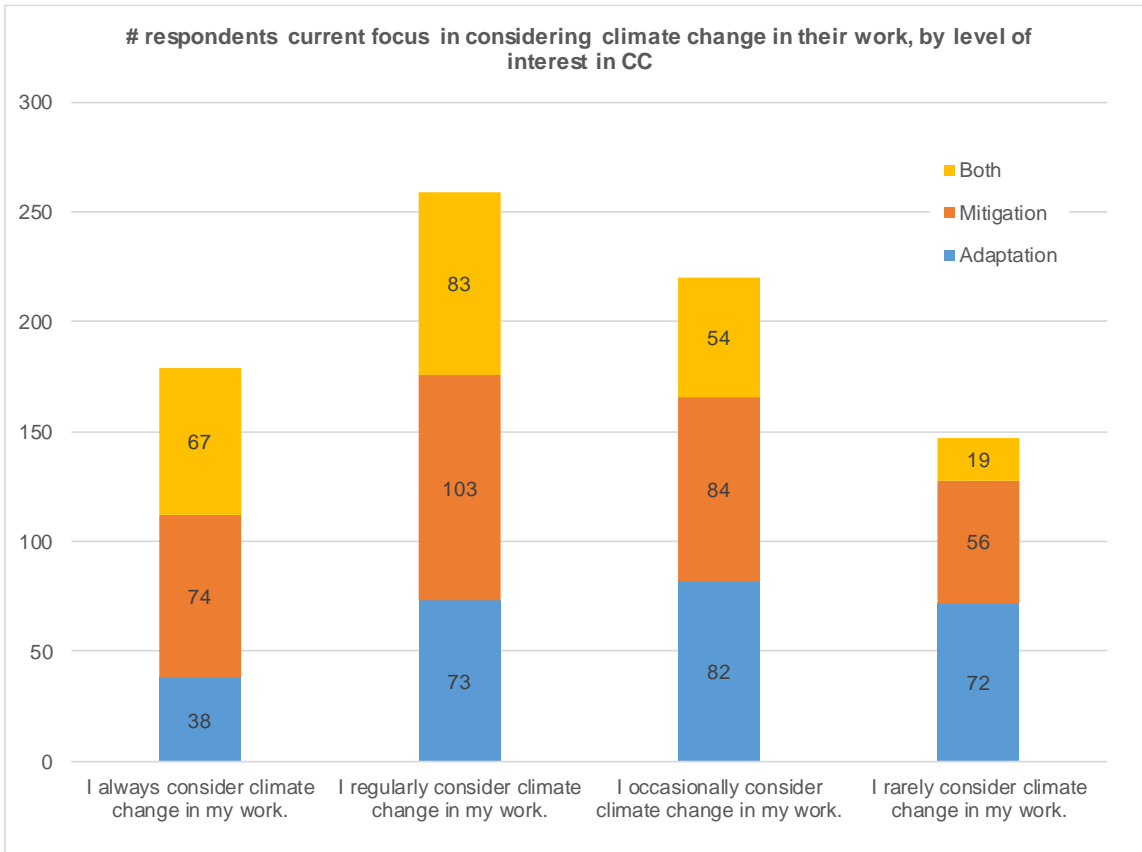
1.2 What Type of Action are Respondents Interested in?

1.2.1 By Respondents' Level of Interest in Climate Change



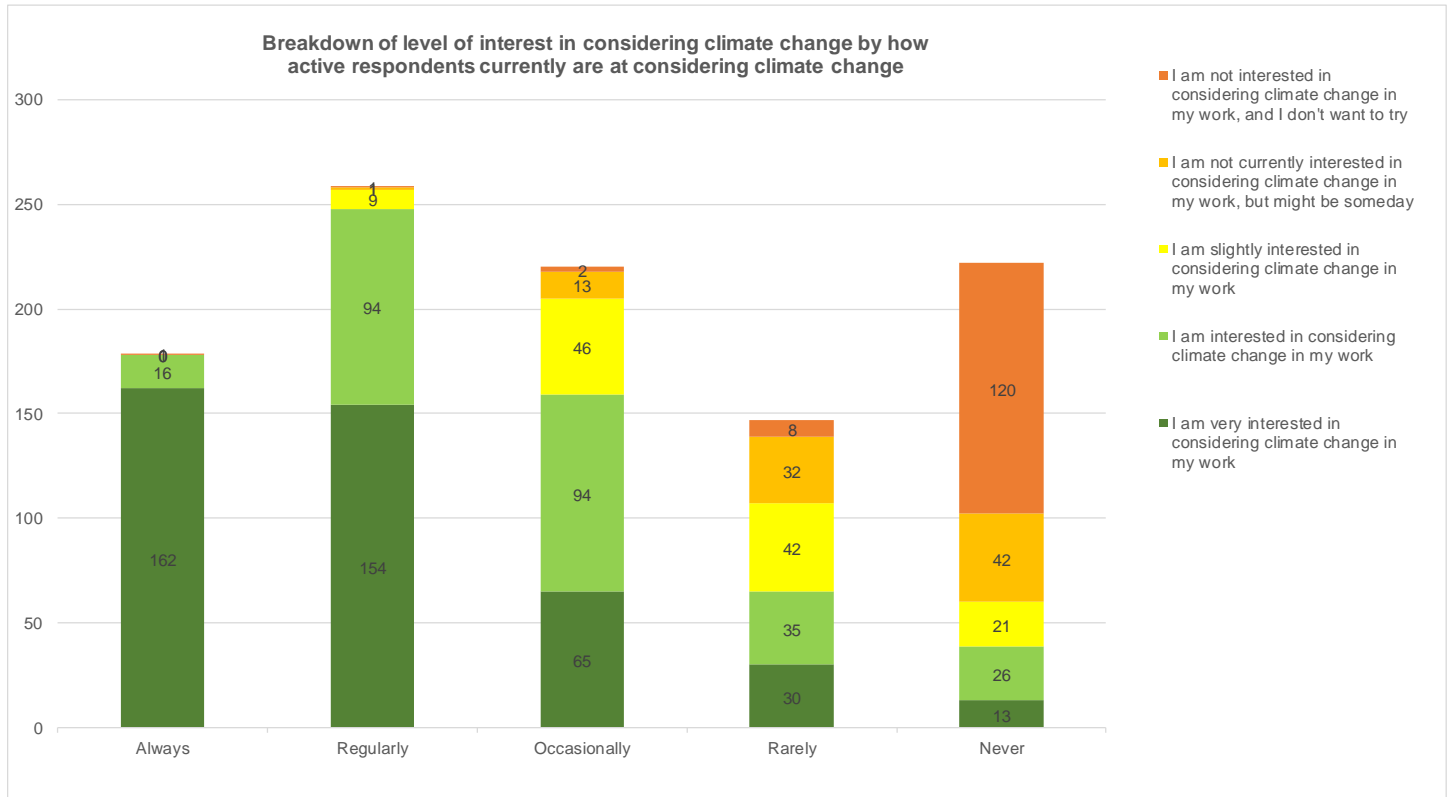
- The more interested respondents are in considering climate change in their work, the more interested they are in mitigation actions.

1.2.2 By Respondents' Current Activity Level of Considering Climate Change



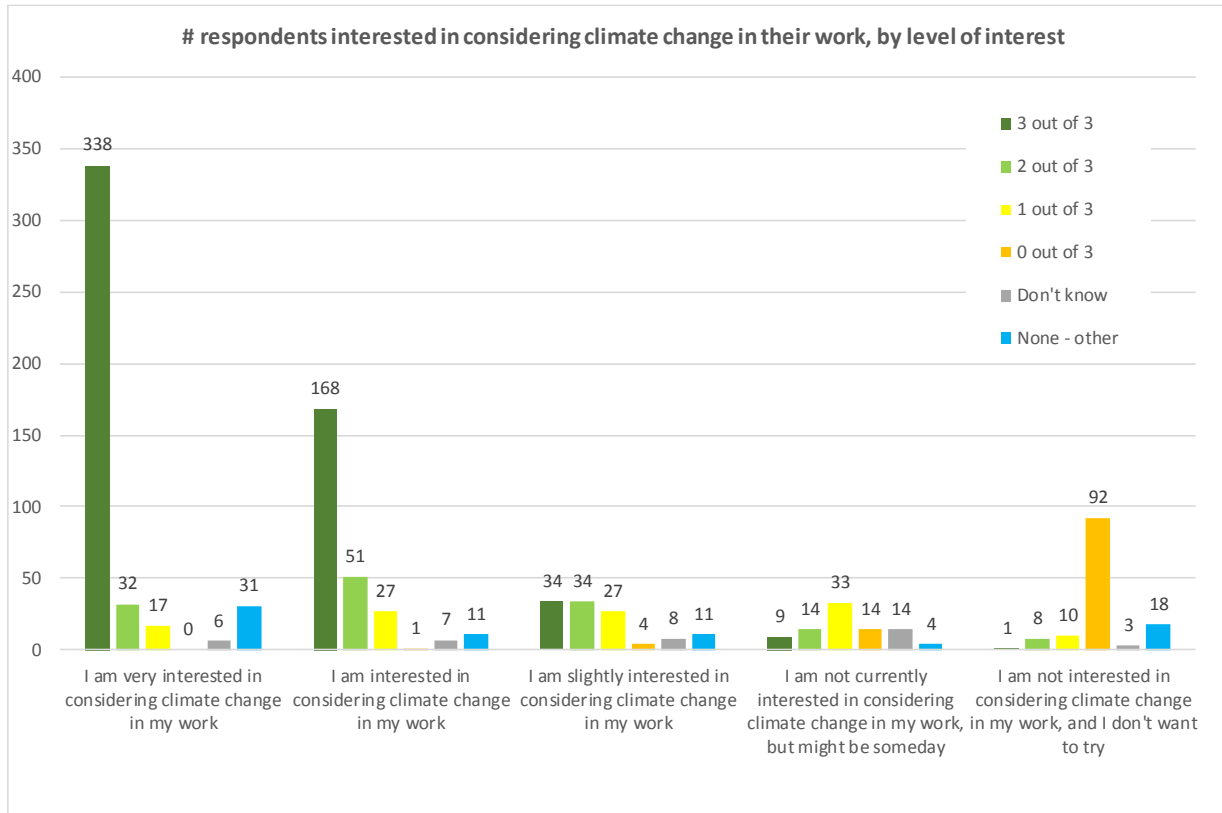
- The more currently-active respondents are at considering climate change in their work, the more focused they are on mitigation actions.

1.3 Current Activity Levels of Considering Climate Change by Interest in Climate Change



- Respondents are more likely to be considering climate change in their work as their interest in doing increases – i.e. respondents must be interested in considering climate change in their work to be active at doing so: **activity follows interest.**

2 MINIMUM ACCEPTABLE ACTIONS FOR CONSIDERING CLIMATE CHANGE



Notes to graph:

'3 out of 3' is answer option: "An act of: gathering appropriate information; thinking about how the changing climate might be relevant to my work; and, then discussing it with client(s) and/or co-worker(s) with a view to taking appropriate action."

'2 out of 3' is answer option: "An act of: gathering appropriate information; and, then thinking about how the changing climate might be relevant to my work."

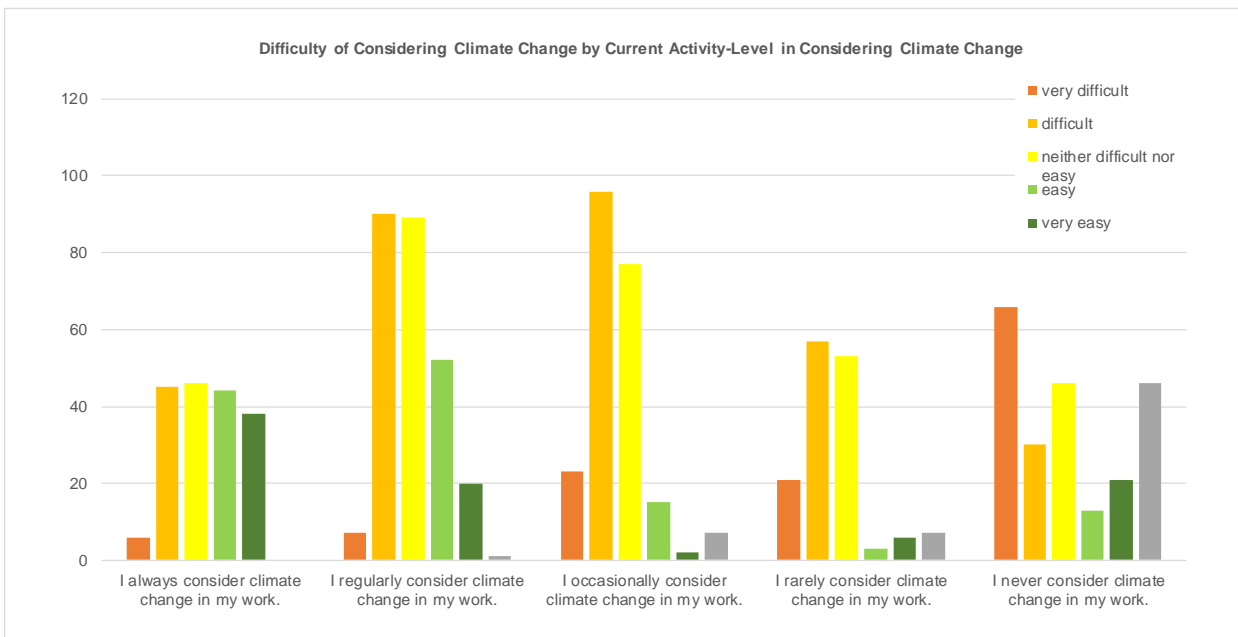
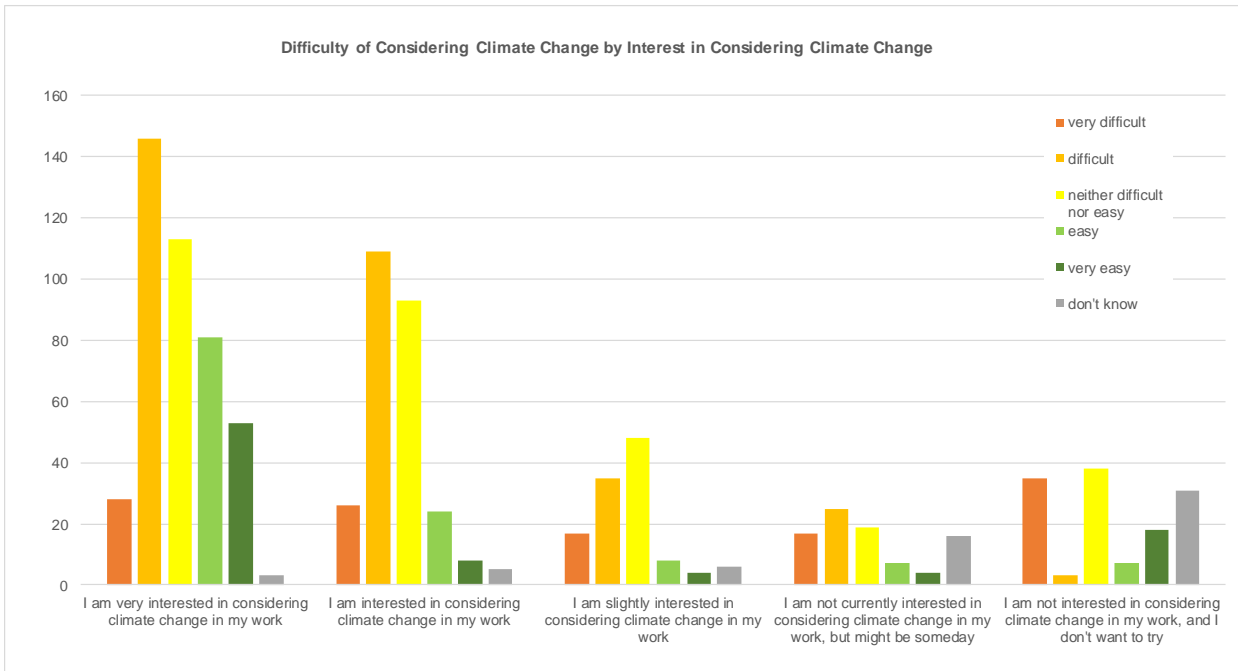
'1 out of 3' is answer option: "An act of: thinking about how the changing climate might be relevant to my work."

'0 out of 3' is answer option: "No action."

- The more interested respondents are in considering climate change in their work, the more consideration actions are required as a minimum.
- **54%** of all respondents chose answer option '3 out of 3' and was the most popular answer (next most popular was '2 out of 3' at 14%).

3 DIFFICULTY OF ACTION ON CLIMATE CHANGE

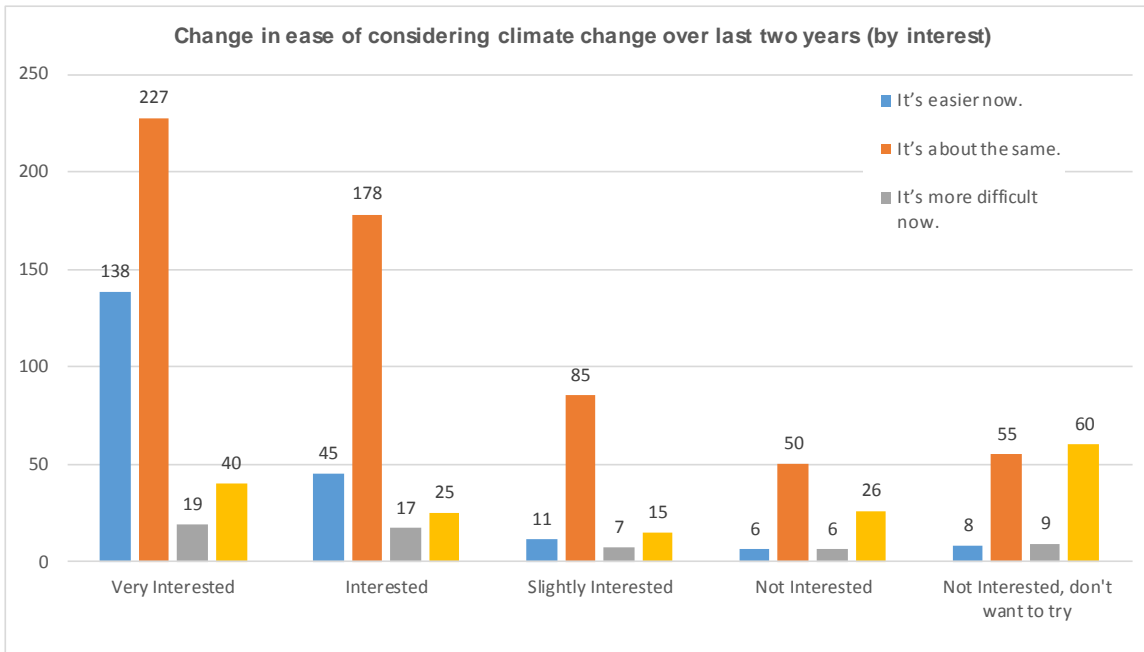
3.1 Difficulty of Action

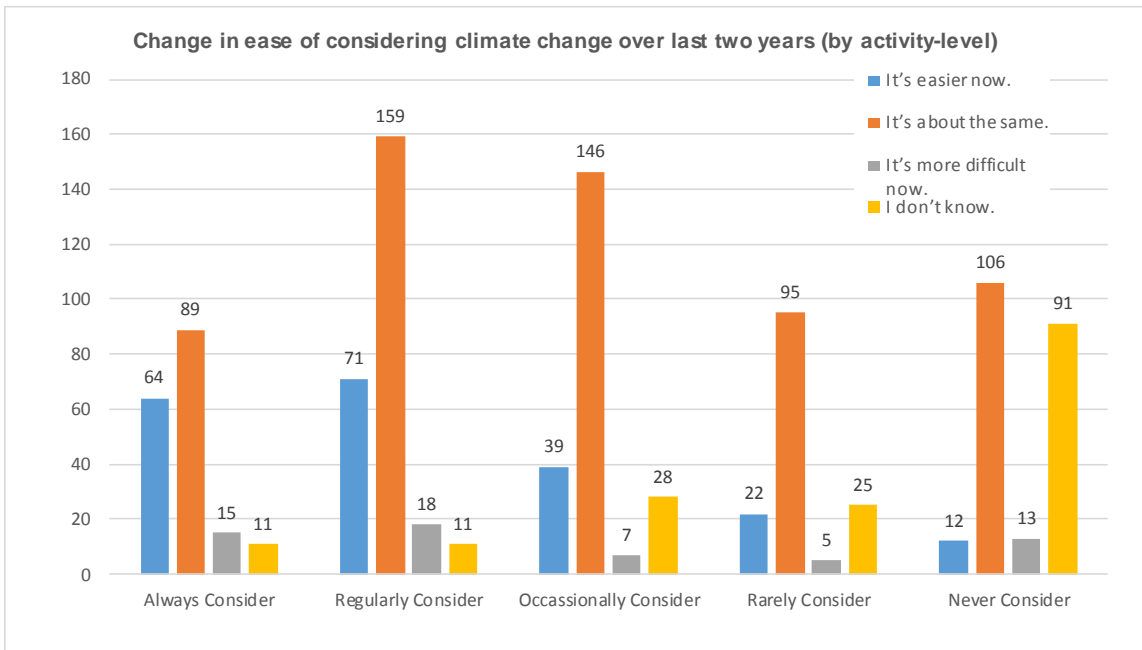


- The more currently-active respondents are at considering climate change in their work, the easier it is.
- Irrespective of how interested and/or currently-active respondents are at considering climate change in their work, **43%** of respondents still find considering climate change in their work either 'very difficult' or 'difficult'.

- Of respondents that are either 'always', 'regularly' or 'occasionally' considering climate change in their work, **26%** of respondents still find considering climate change in their work either 'very difficult' or 'difficult'.

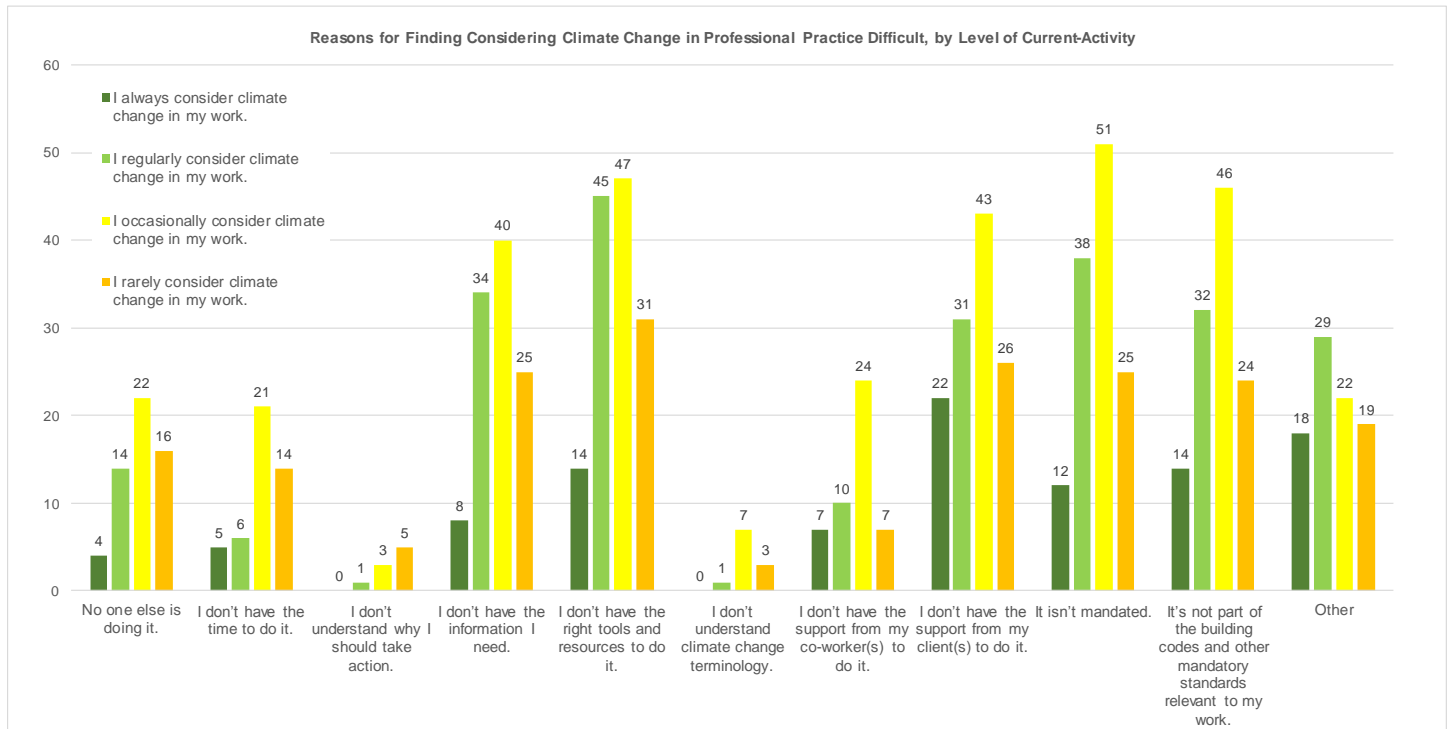
3.2 Changes in Difficulty Over Last 2 Years





- **20%** of respondents think it's easier to consider climate change in their work than 2 years ago.
- **6%** of respondents think it's more difficult to consider climate change in their work than 2 years ago.
- **58%** of respondents find considering climate change in their work about as easy as two years ago.
- A higher proportion of those that currently always consider climate change in their work or are very interested in considering climate change find it easier than two years ago, when compared to other respondents (less interested or less active).

3.3 Reasons for Difficulty



- Key reasons respondents find considering climate change in their work hard: don't have the right information and tools/resources, clients don't support it, it's not mandatory – either through codes and standards, or other means.
- For respondents 'always' considering climate change in their work, the most-popular response was 'I don't have the support from my client(s) to do it.' – indicating that acceptance of others may be the principal reason for holding them back.
- For respondents 'regularly' considering climate change in their work, the most-popular response was 'I don't have the right tools and resources to do it' – indicating that a deficiency of practical enablers are holding them back.
- For respondents 'occasionally' considering climate change in their work, the most-popular response was 'It isn't mandated' – indicating that industry expectations need confirming to make considering climate change easier.

3.4 Comparing What Has Already Made Respondents More Active with What Respondents Would like

Future potential measures from those interested	Response Popularity	Previous Measures from those Active	Response Popularity
The people I work with become more interested or accepting of action on climate change.	★ ★ ★	The people I work with have become more interested in action on climate change.	★ ★ ★
My employer encourages me/requires me to consider it in my work.	★ ★ ★	My employer encourages me/requires me to consider it in my work.	★ ★ ★


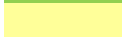

Future potential measures from those interested	Response Popularity	Previous Measures from those Active	Response Popularity
My client becomes more interested.	★ ★ ★	My client(s) has/have become more interested.	★ ★ ★
My client requires me to consider it in my work.	★ ★ ★	My client(s) require(s) me to consider it in my work.	★ ★
I better understand the value of taking action.	★	I better understand the value of taking action.	★ ★
I gain more knowledge of the general effects of climate change.	★ ★	More knowledge was provided of the general effects of climate change.	★ ★ ★
I gain more knowledge of the specific effects of climate change relevant to my work.	★ ★ ★	More knowledge was provided of the specific effects of climate change relevant to my work.	★ ★ ★
I get access to better resources and tools to consider climate change in your work.	★ ★ ★	APEGBC's guides or resources have enabled me to consider climate change in my work.	★
-	-	Non-APEGBC guides, resources, or tools have enabled me to consider climate change in my work. Please provide name(s) and/or details.	★ ★
I am provided opportunities to practise considering climate change in my work.	★ ★ ★	I had an opportunity to practise considering climate change in my work.	★ ★ ★
I have opportunities to discuss climate change with other APEGBC members.	★ ★	I had opportunities to discuss climate change with other APEGBC members.	★ ★
Someone shows me how to consider climate change in my work.	★ ★	Someone showed me how to consider climate change in my work.	★
I take some training about how to consider climate change in my work.	★ ★ ★	Training opportunities are provided about how to consider climate change in my work.	★ ★
It is made a requirement in my work.	★ ★ ★	It's a requirement in my area of work.	★ ★ ★
Other - Please Specify	★ ★	Other - Please Specify	★ ★

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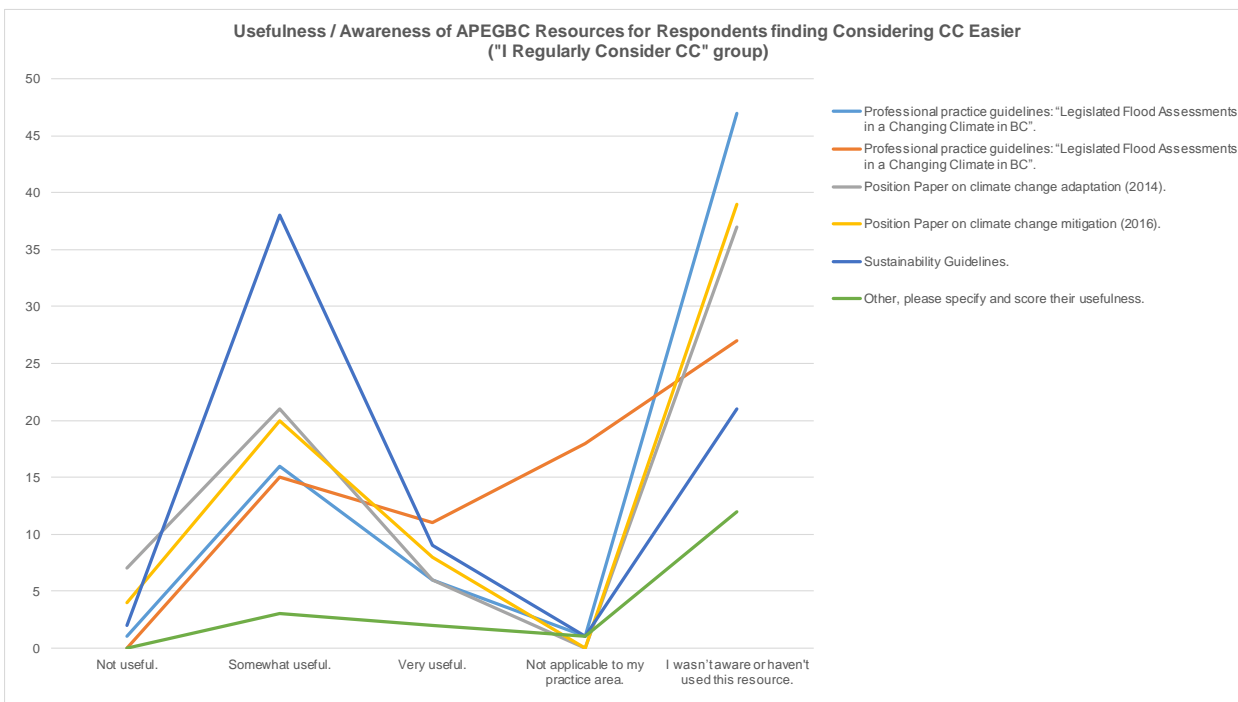
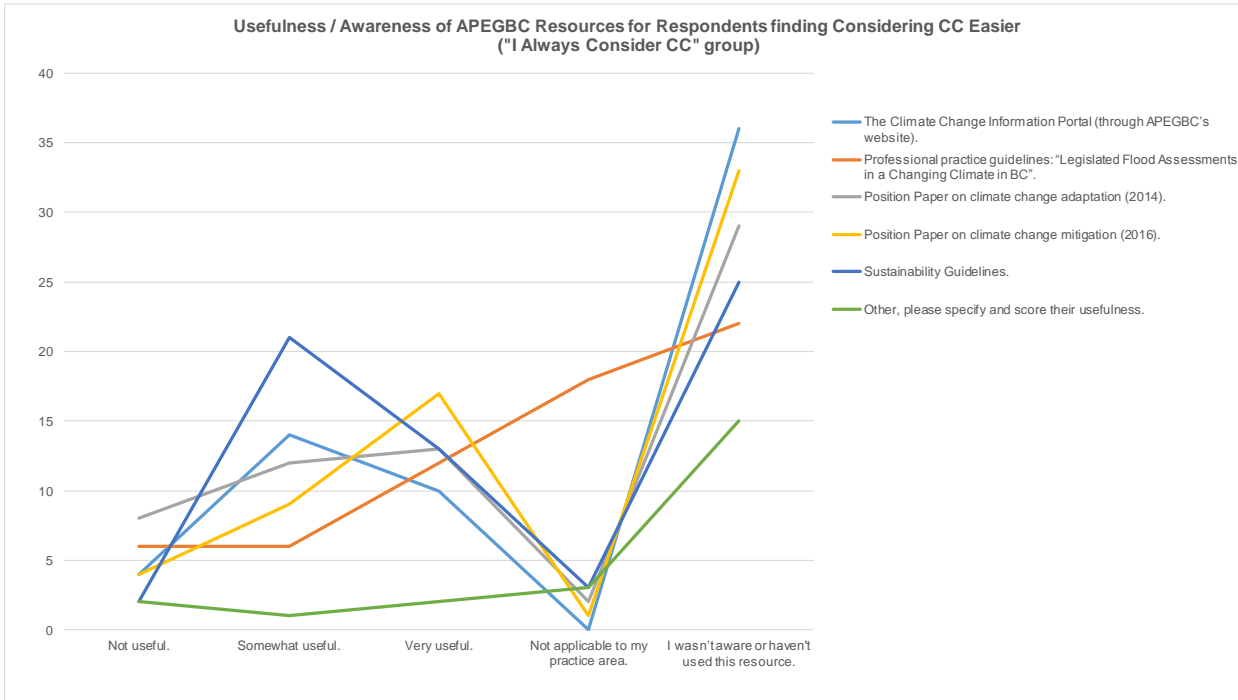
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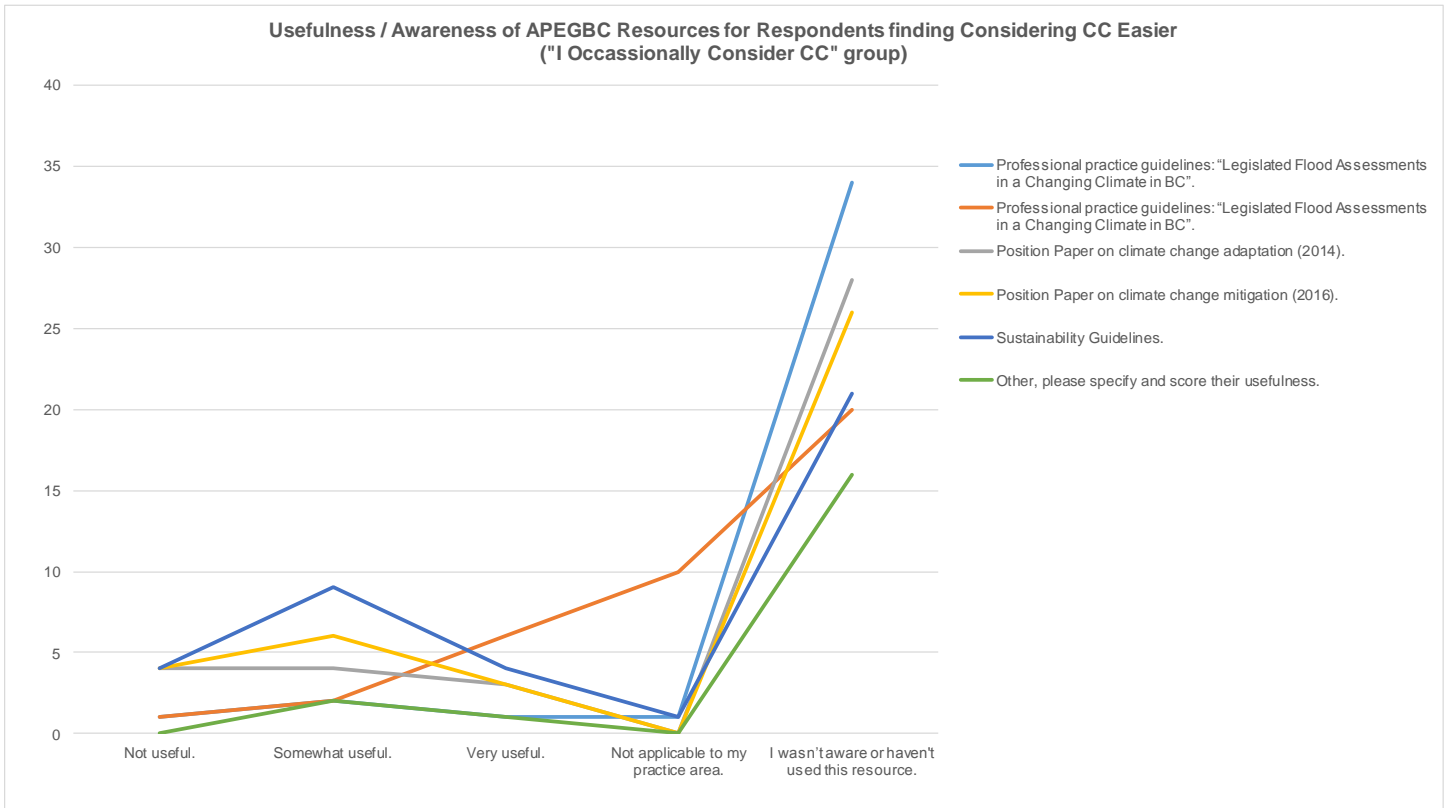
- ★ ★ ★ = most popular response
- ★ = least popular response

-  = best correlation between responses
-  = good correlation between responses
-  = poor correlation between responses

4 USEFULNESS AND AWARENESS OF APEGBC RESOURCES

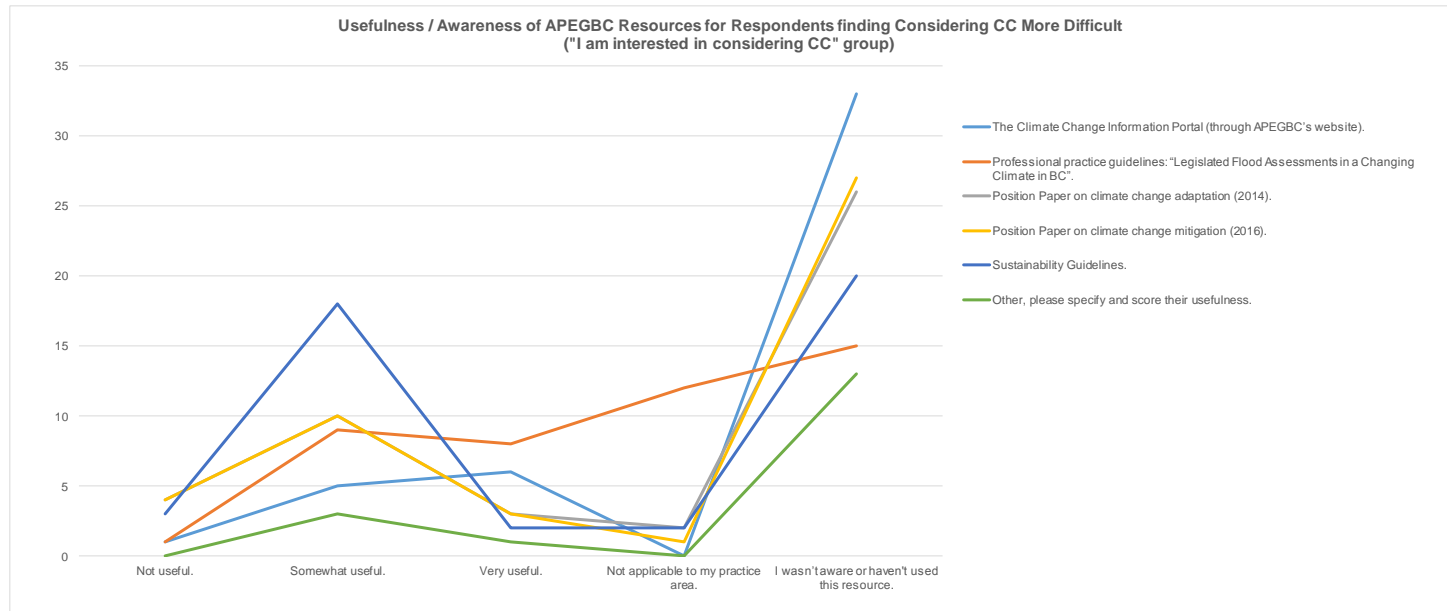
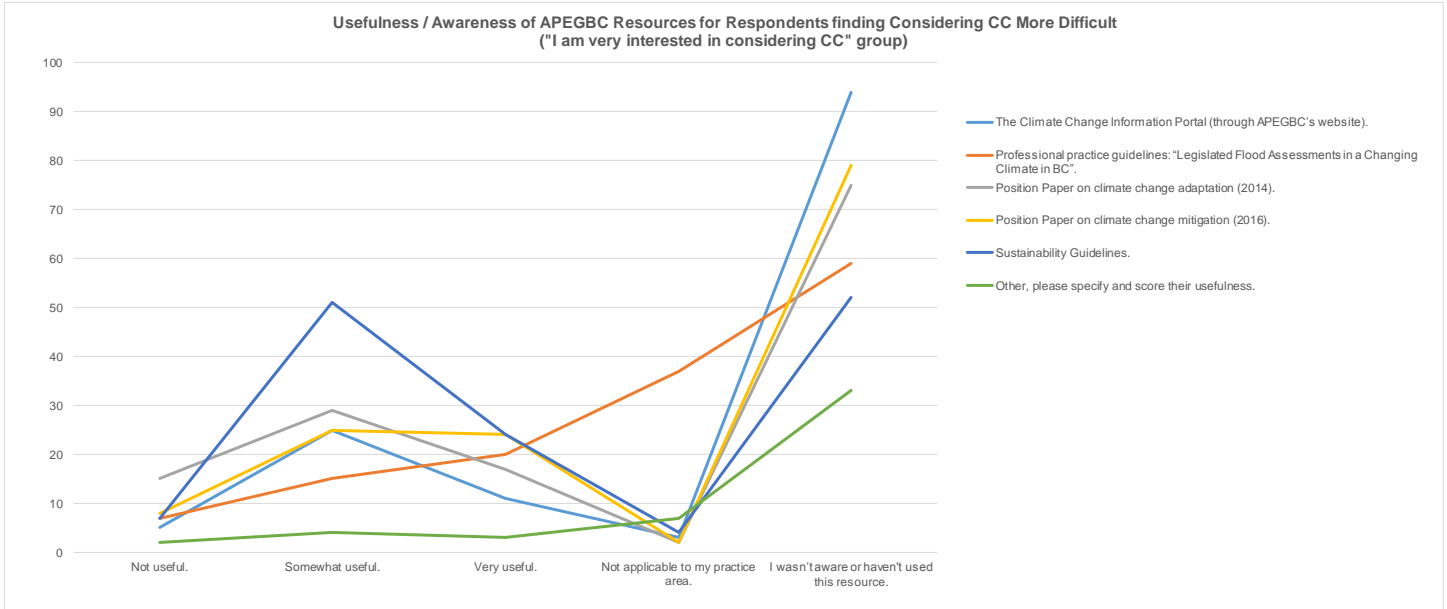
4.1 For Respondents Finding Considering Climate Change Easier

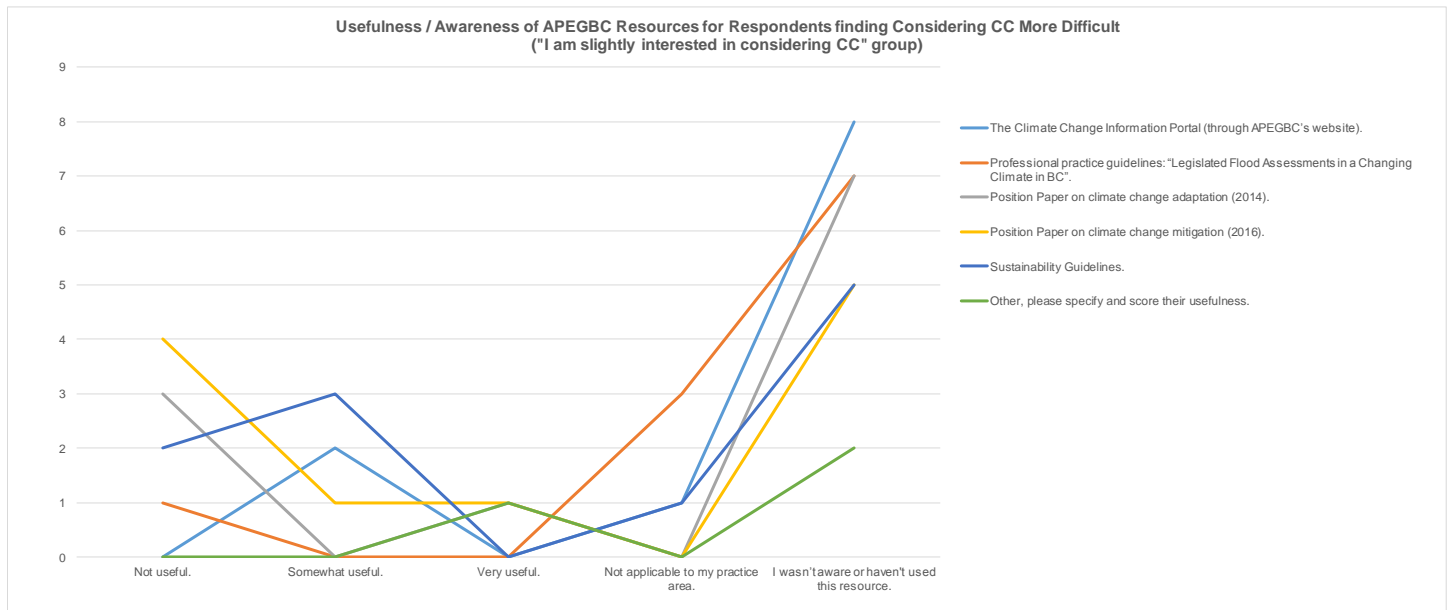




- Those finding considering climate change in their work easier, and those active ('always' and 'regularly' considering climate change in their work) are quite aware of APEGBC's climate change resources and find them useful.
- Many of these same target groups are still unaware of APEGBC's climate change resources.
- Awareness of APEGBC climate change resources is more pronounced in the group that consider climate change in their work easier than two years ago.

4.2 For Respondents Finding Considering Climate Change More Difficult

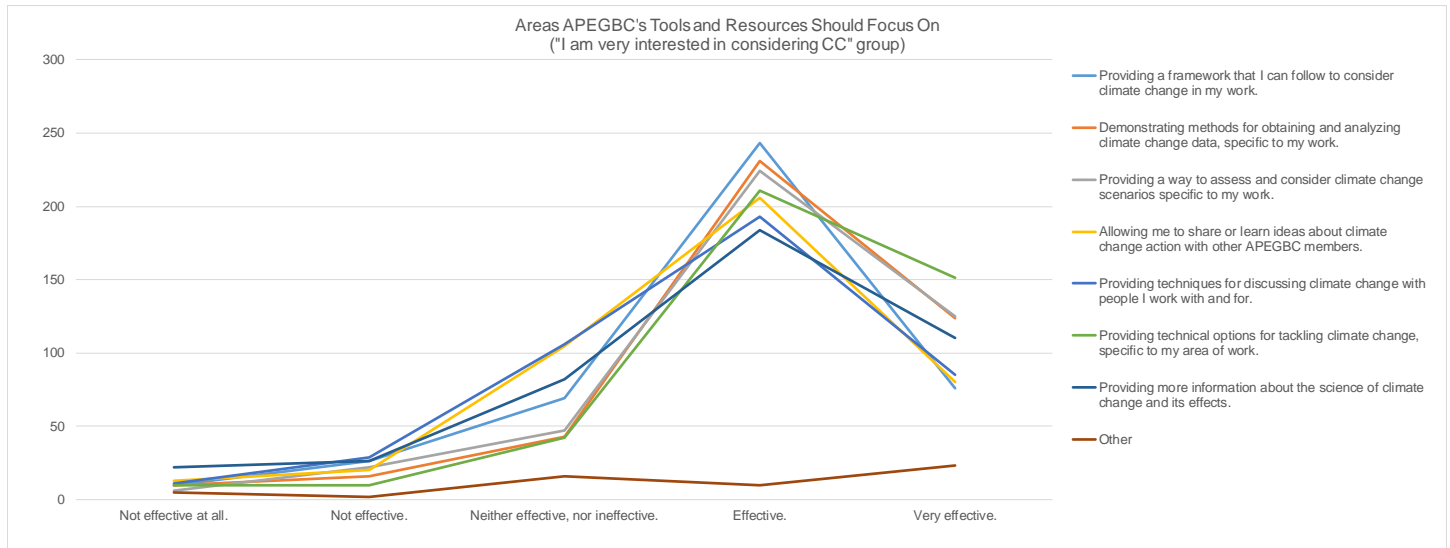




- Those 'very interested' or 'interested' in considering climate change in their work, but which find considering climate change in their work more difficult, or the same difficulty from two years ago, are quite aware of APEGBC's climate change resources and find them useful.
- Many of these same target groups are still unaware of APEGBC's climate change resources.

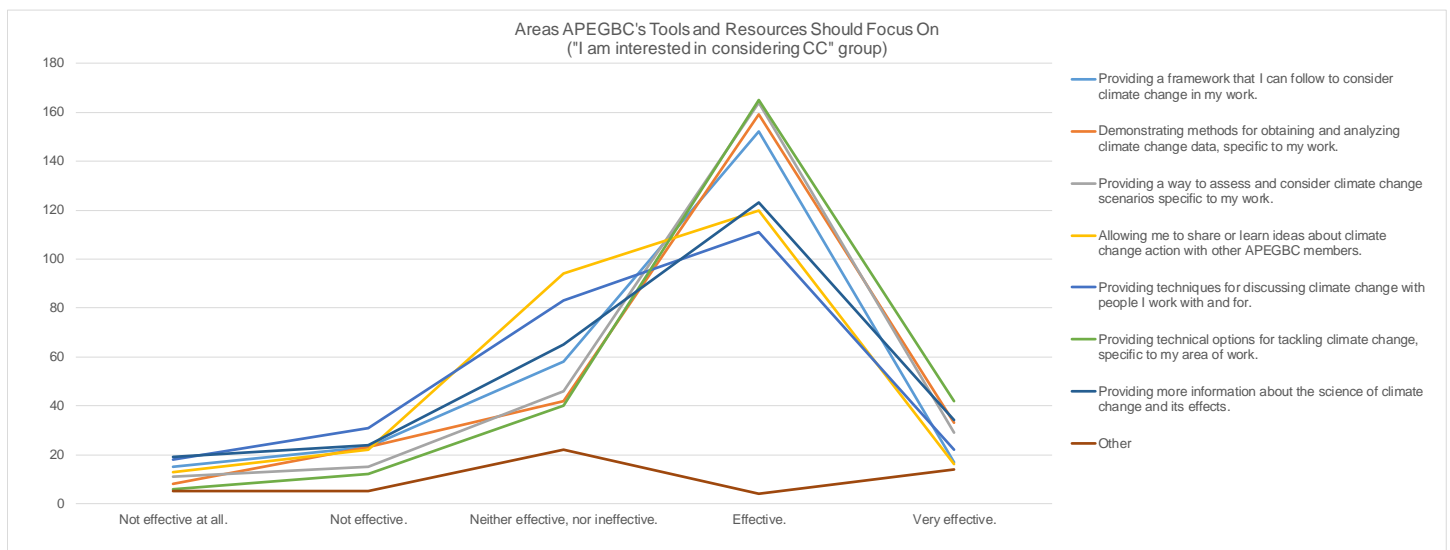
5 FUTURE FOCUS OF APEGBC RESOURCES

5.1 For Respondents 'Very Interested' in Considering Climate Change



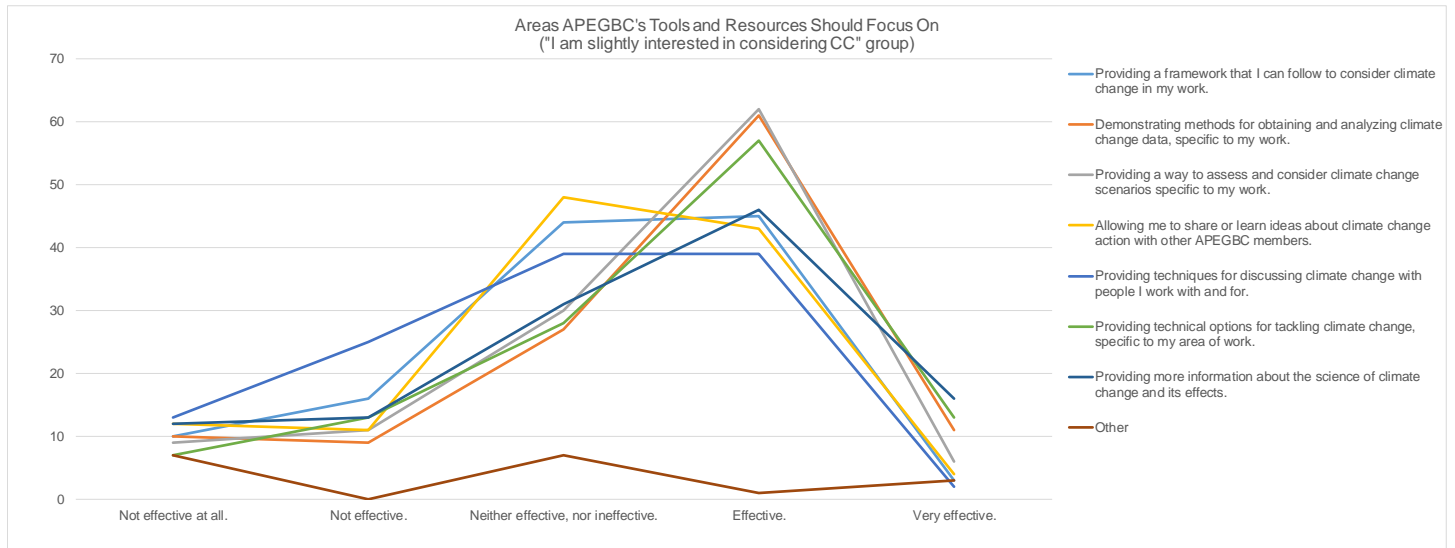
- Top 3 answers:
 - 1: "Providing a framework that I can follow to consider climate change in my work."
 - 2: "Demonstrating methods for obtaining and analyzing climate change data, specific to my work."
 - 3: "Providing a way to assess and consider climate change scenarios specific to my work."

5.2 For Respondents 'Interested' in Considering Climate Change



- Top 3 answers:
 - 1: "Providing technical options for tackling climate change, specific to my area of work."
 - 2: "Providing a way to assess and consider climate change scenarios specific to my work."
 - 3: "Demonstrating methods for obtaining and analyzing climate change data, specific to my work."

5.3 For Respondents ‘Slightly Interested’ in Considering Climate Change



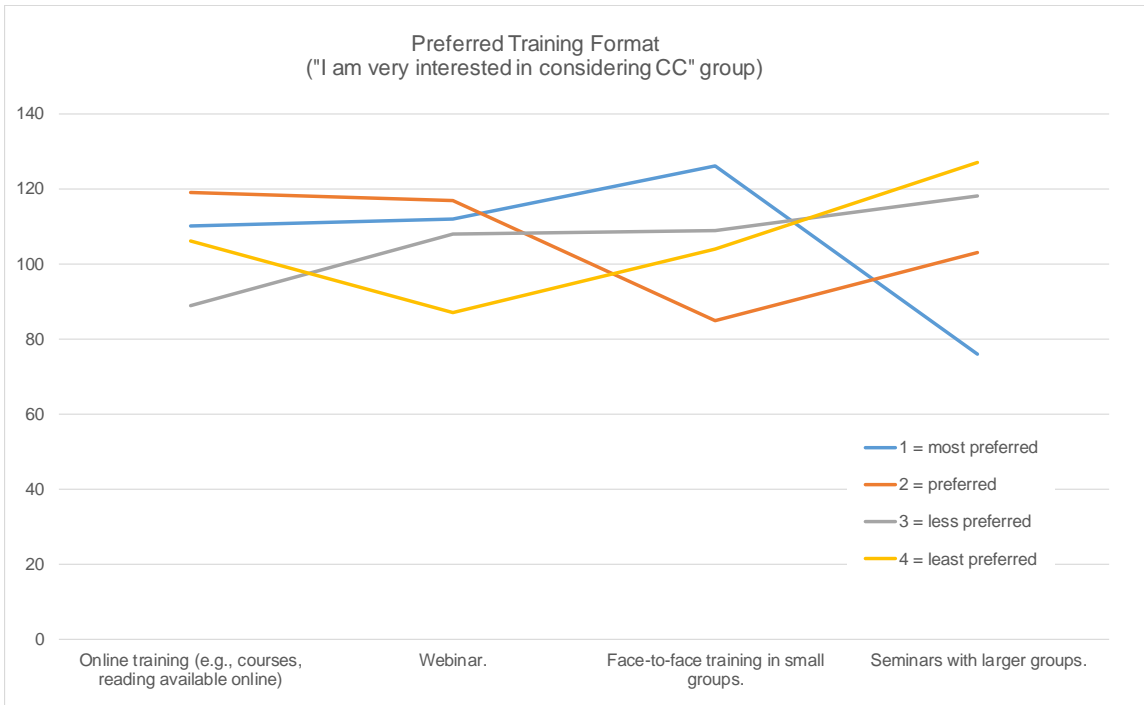
- Top 3 answers:
 - 1: “Providing a way to assess and consider climate change scenarios specific to my work.”
 - 2: “Demonstrating methods for obtaining and analyzing climate change data, specific to my work.”
 - 3: “Providing technical options for tackling climate change, specific to my area of work.”

5.4 ‘Future-Focus’ Summary

- For respondents ‘very interested’ in considering climate change in their work, the top answer for how APEGBC should support them with tools, resources and/or training was to ‘[Provide] a framework that I can follow to consider climate change in my work.’
- For respondents ‘interested’ and ‘slightly interested’ in considering climate change in their work, the need for a general framework diminished (but was still popular) in preference for more specific assistance, including “Demonstrating methods for obtaining and analyzing climate change data, specific to my work”, “Providing technical options for tackling climate change, specific to my area of work”, and “Providing a way to assess and consider climate change scenarios specific to my work”.
- These more-specific assistance options were also popular for those ‘very interested’ in considering climate change in their work.

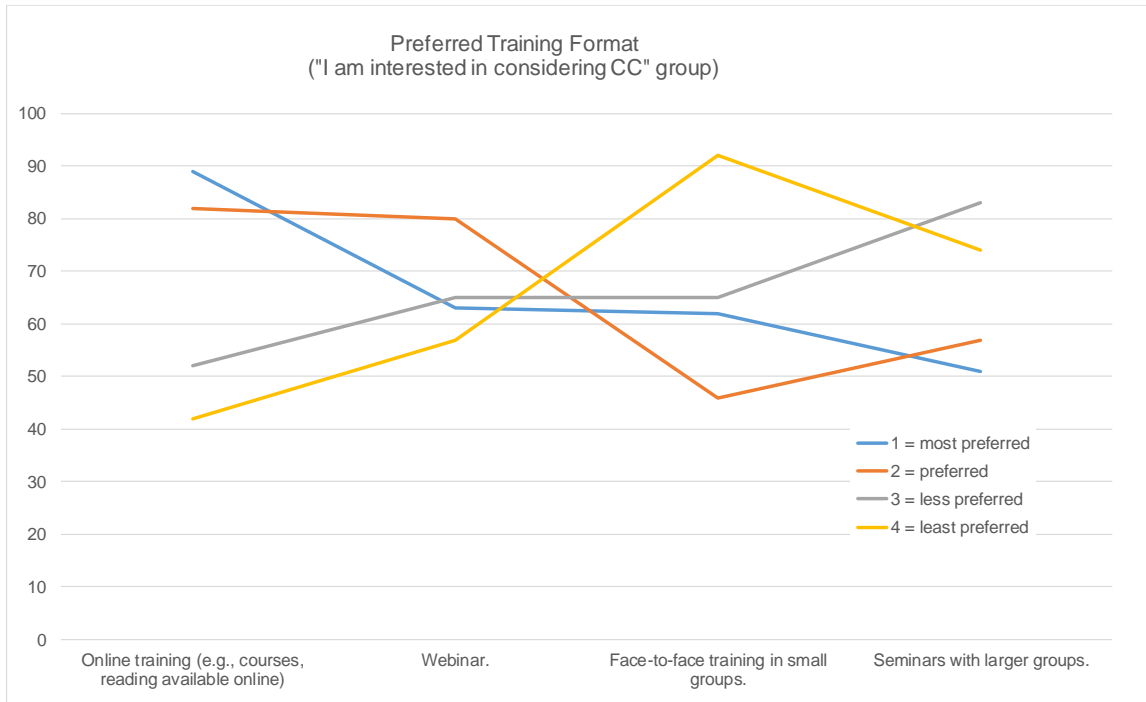
6 TRAINING AND COMMUNICATION

6.1 Preferred Training Format: 'Very interested' in considering climate change



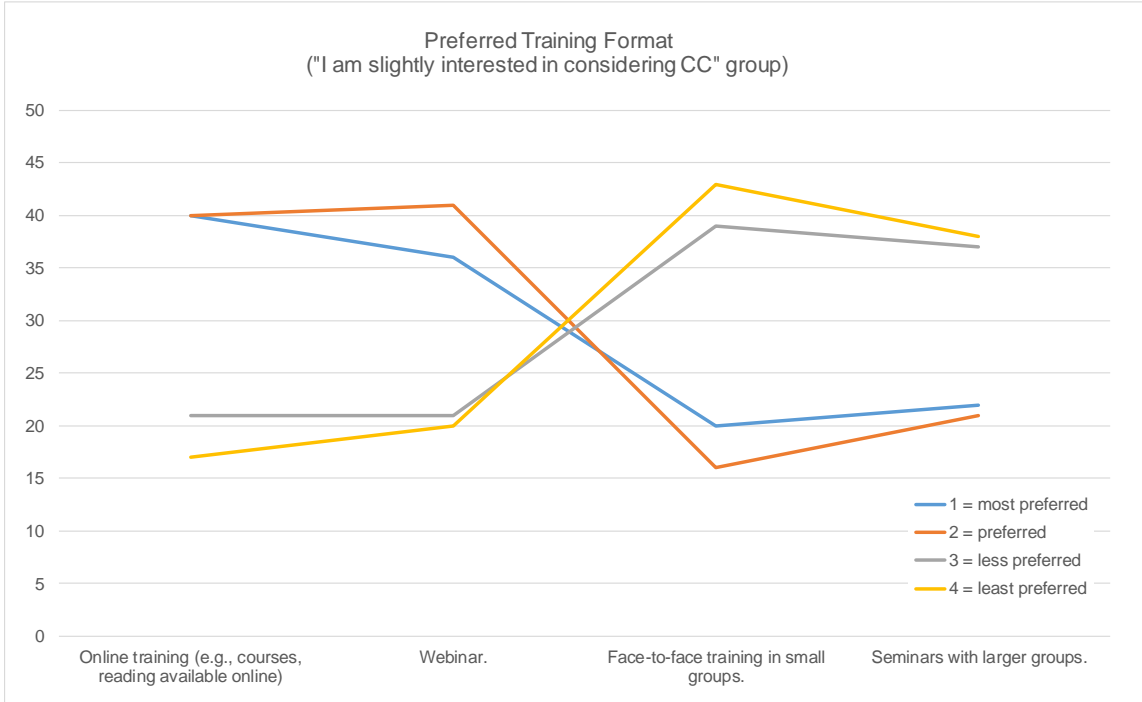
- General preference is for online training and webinars.
- Clear preference for face-to-face training in small groups, but not for everyone.
- Seminars with large groups is the least popular option

6.2 Preferred Training Format: 'interested' in considering climate change



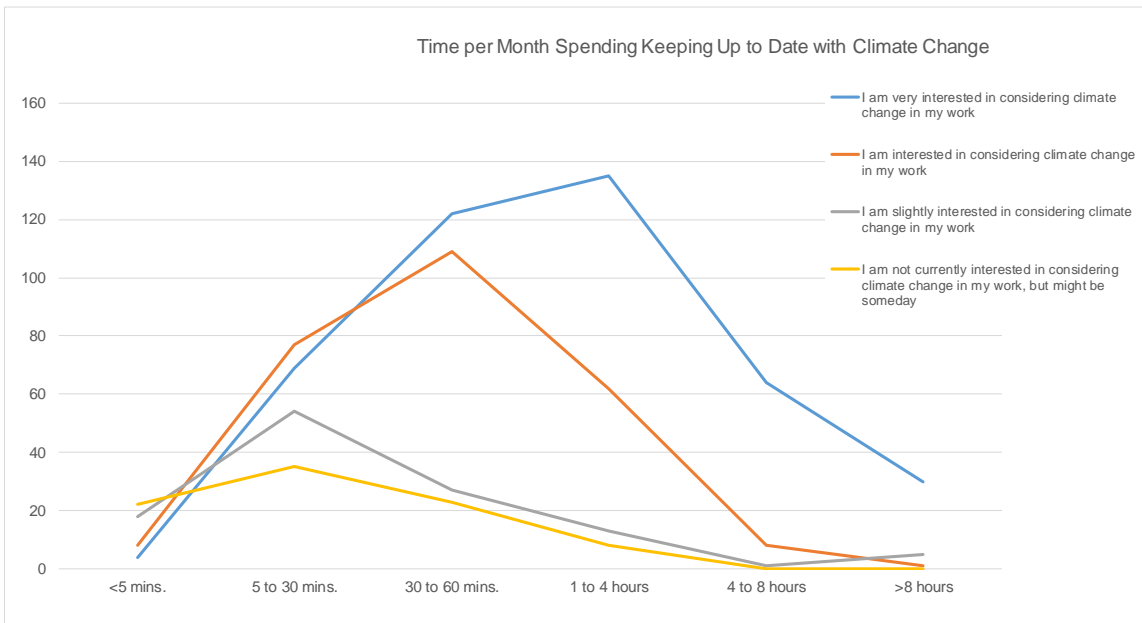
- Preference is for online training
- Although webinars are popular, there are significant portion of respondents that don't like webinars.
- 'Face-to-face training in small groups' and 'Seminars with large groups' are least popular options.

6.3 Preferred Training Format: 'slightly interested' in considering climate change



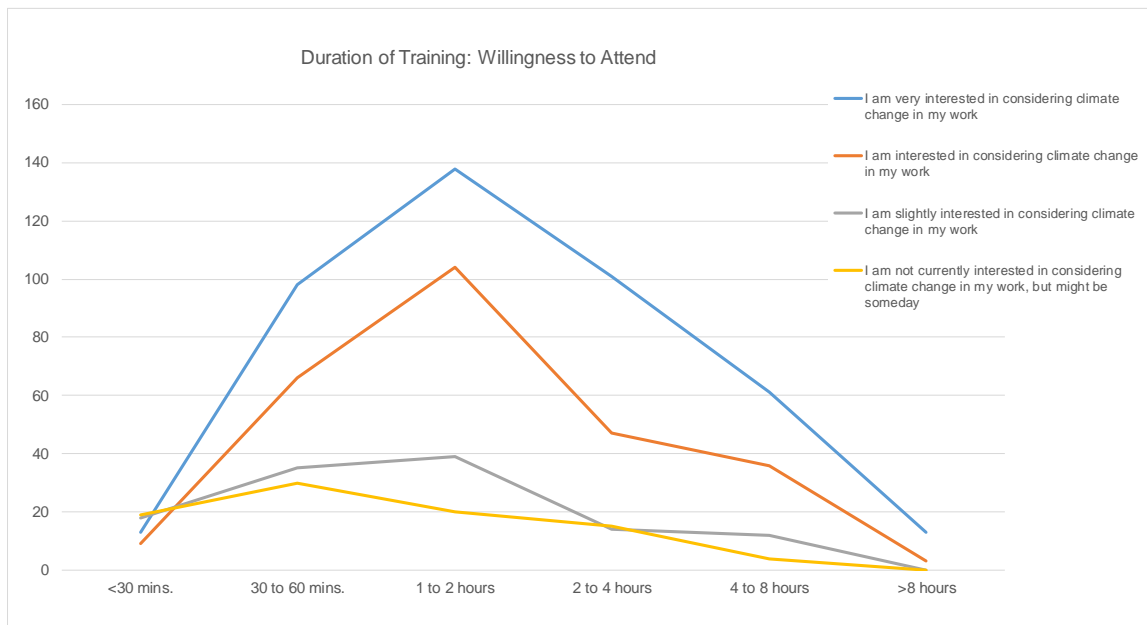
- Most preference is for 'Online training' and 'Webinars'.
- Least preference for 'Face-to-face training in small groups' and 'Seminars with large groups'.

6.4 Time Prepared to Spend per Month Keeping Up to Date with Climate Change



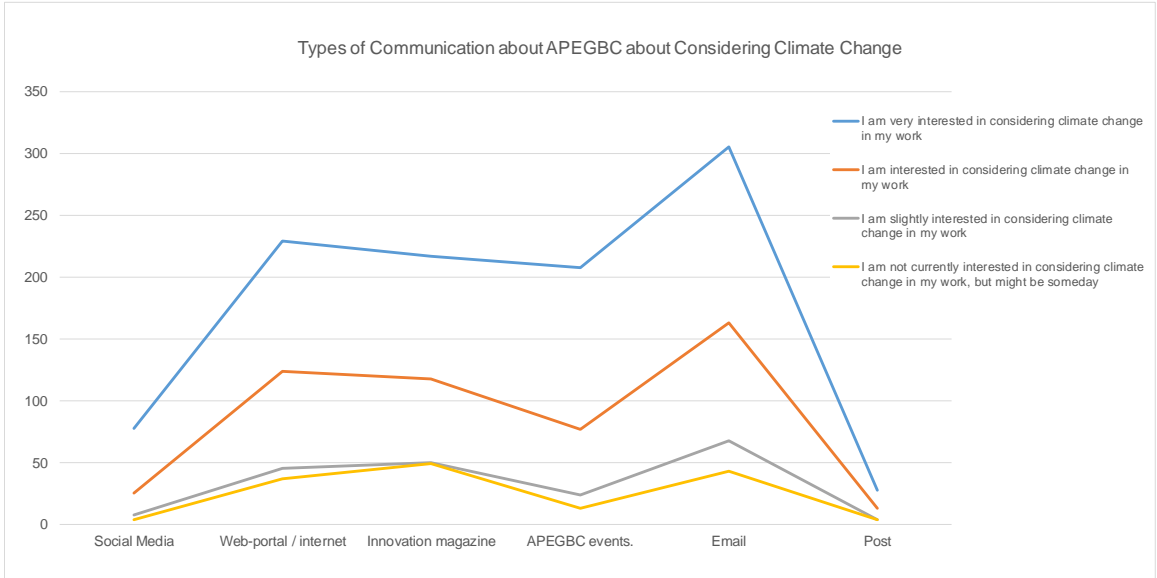
- The more interested respondents are in considering climate change in their work, the longer they are willing to spend per month keeping up to date.
- Little interest in spending a full-day a month keeping up to date.

6.5 Duration of Training: Willingness to Attend



- The preference for duration of training is similar, irrespective of respondents' level of interest in considering climate change in their work.
- Most popular training duration is 1 to 2 hours.
- Little interest in spending a full-day being trained or less than 30 minutes.

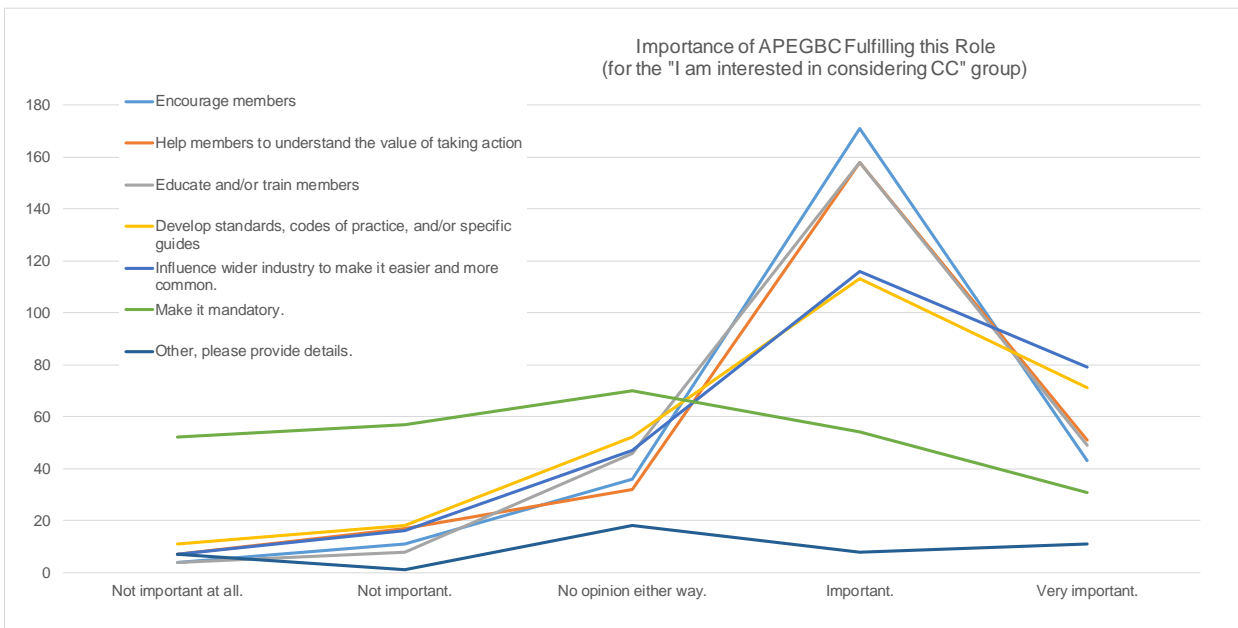
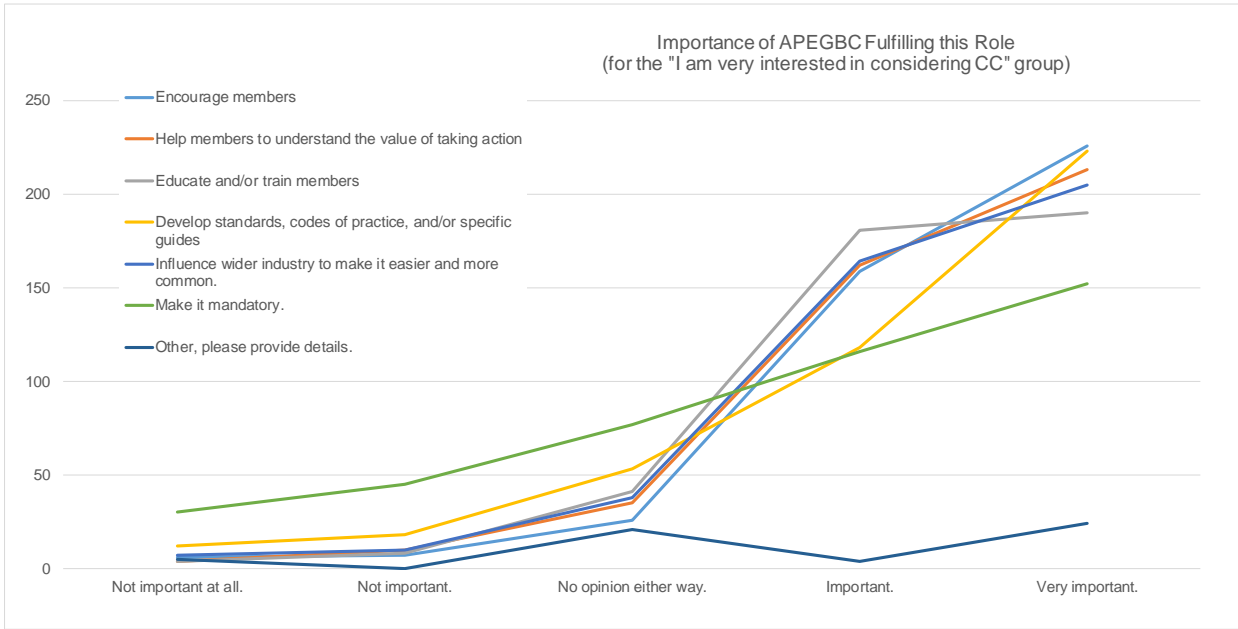
6.6 Types of Communication from APEGBC about Considering Climate Change

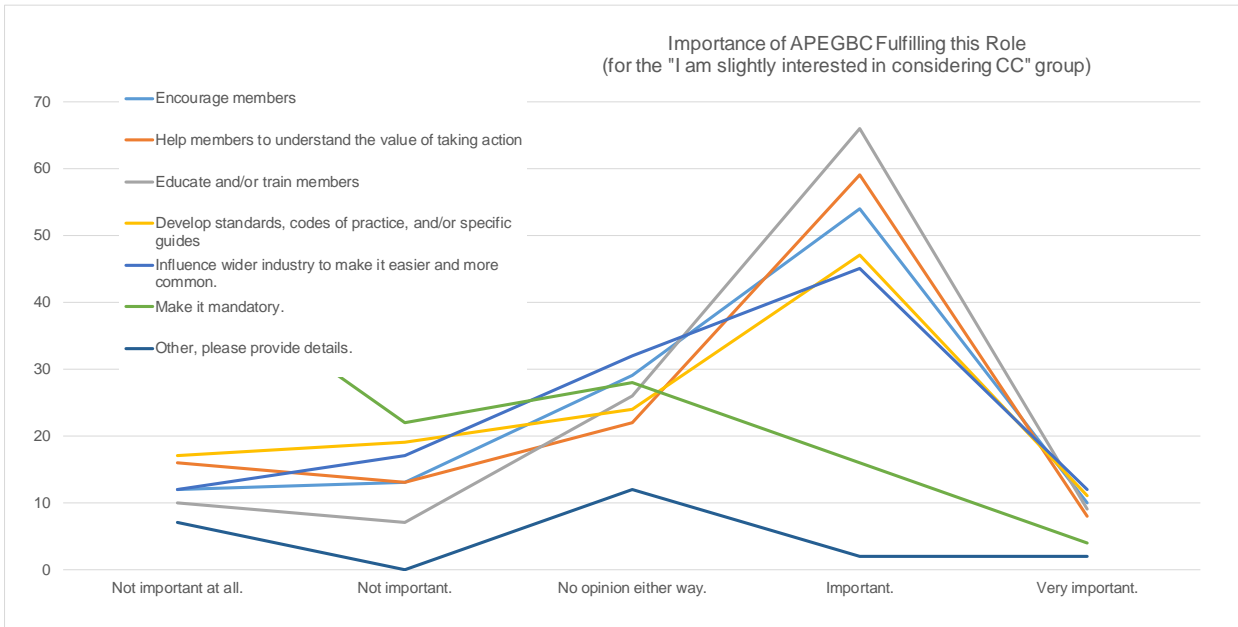


- Email is the most popular method for APEGBC to communicate to interested respondents about considering climate change in their work. Other popular options are through a web-portal / the internet and via Innovation magazine.
- By mail (post) and through social media were not popular communication methods.

7 ROLE AND CURRENT EFFECTIVENESS OF APEGBC

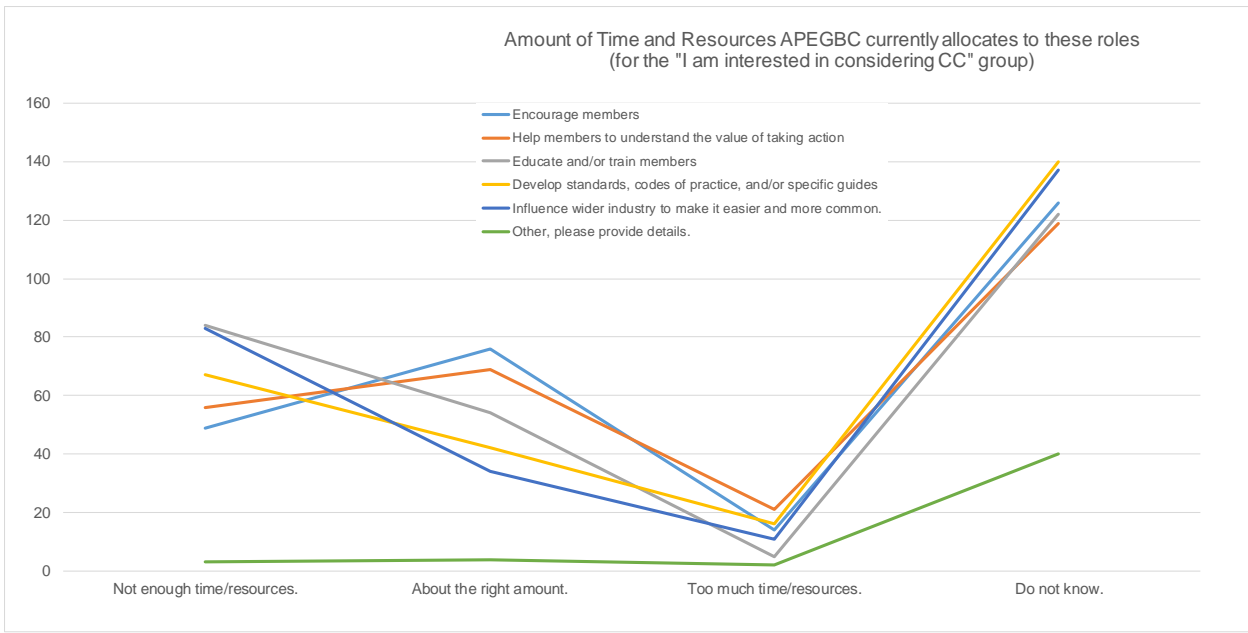
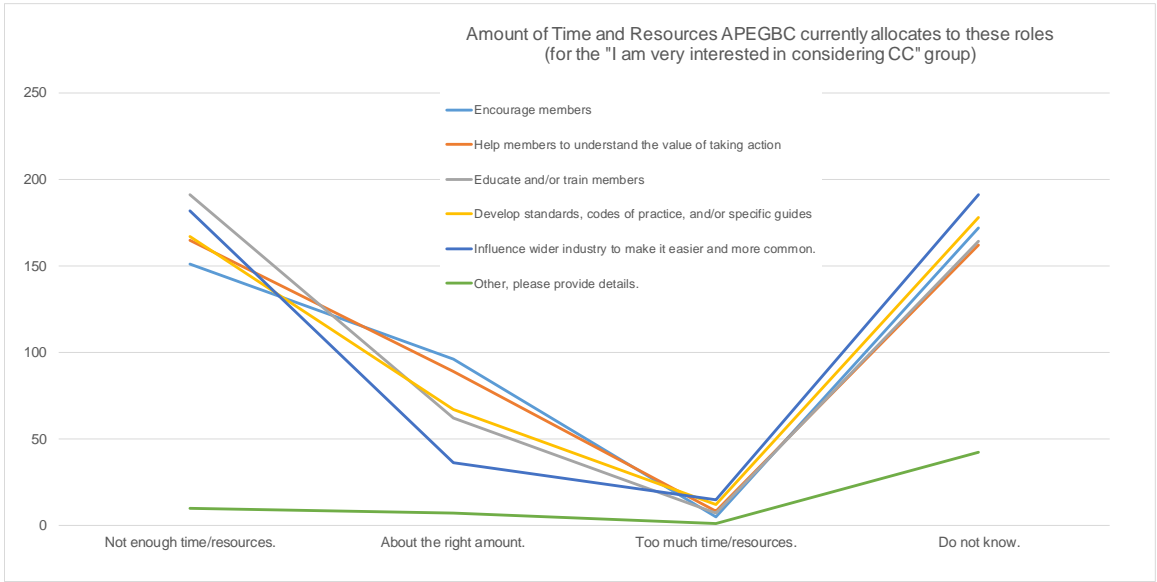
7.1 Importance of APEGBC Fulfilling These Roles

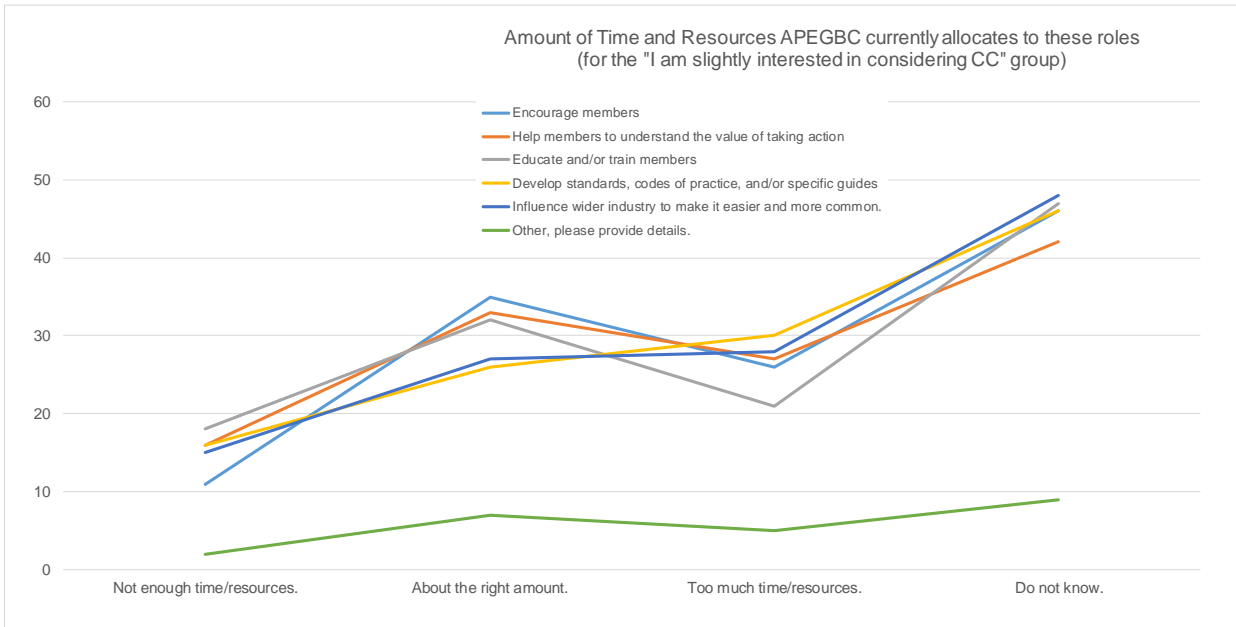




- For those 'very interested', all roles APEGBC could fulfill in helping respondents consider climate change in their work are important. For 'interested' and 'slightly interested' all roles were thought to be important (except making considering climate change mandatory – see below).
- Making considering climate change in respondents' work mandatory was least popular option.

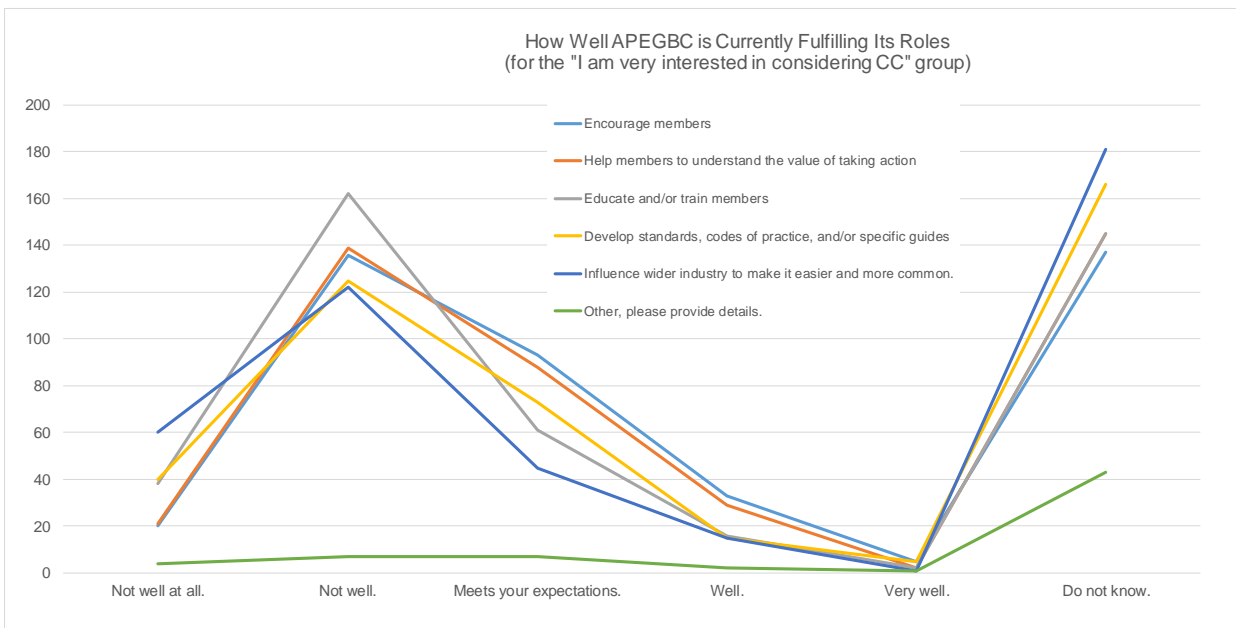
7.2 Amount of Time and Resources APEGBC currently allocates to these roles.





- The more interested Respondents are in considering climate change in their work, the more they think APEGBC is not allocating enough time and/or resources on these roles.

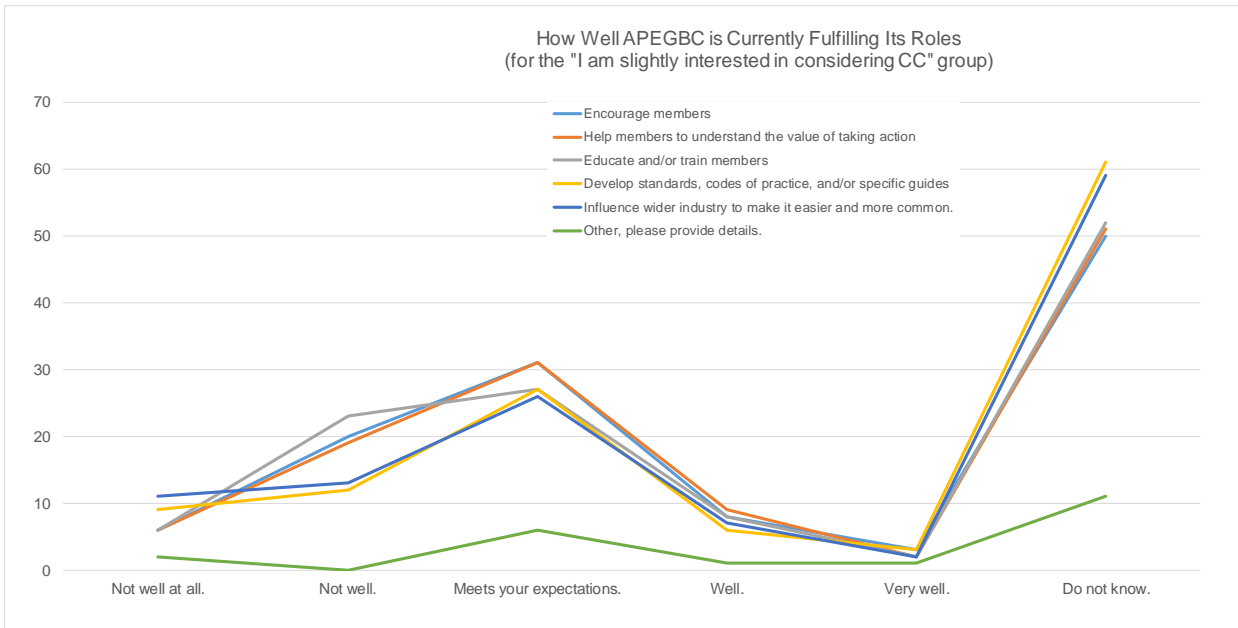
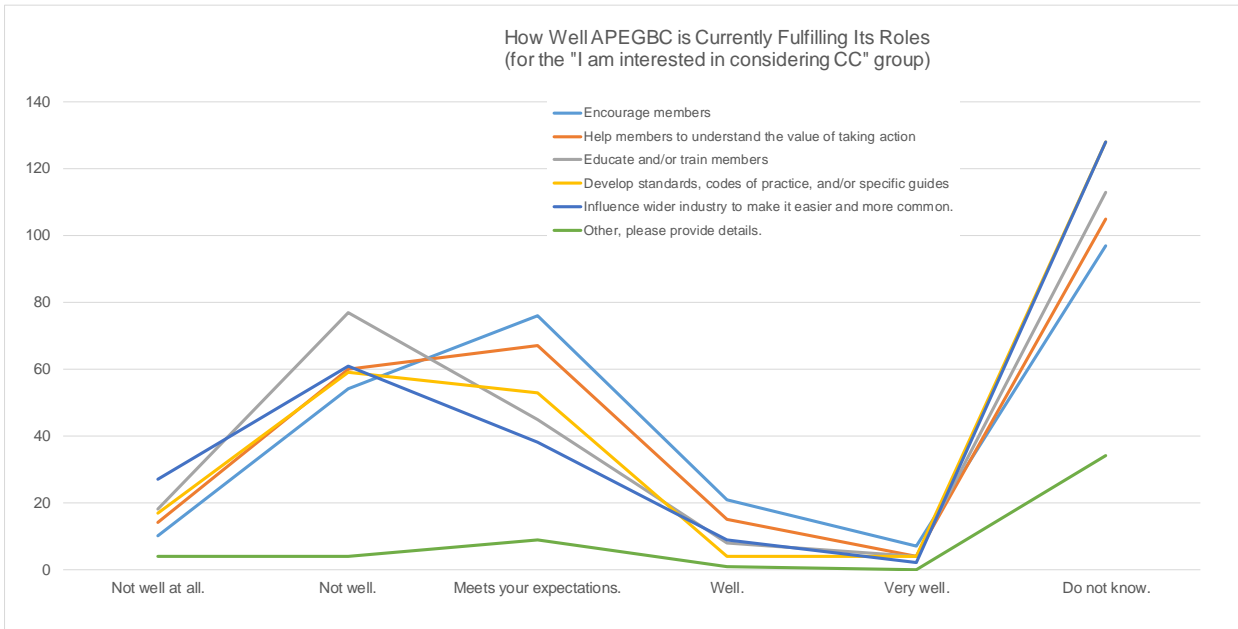
7.3 How Well APEGBC is Currently Fulfilling Its Roles



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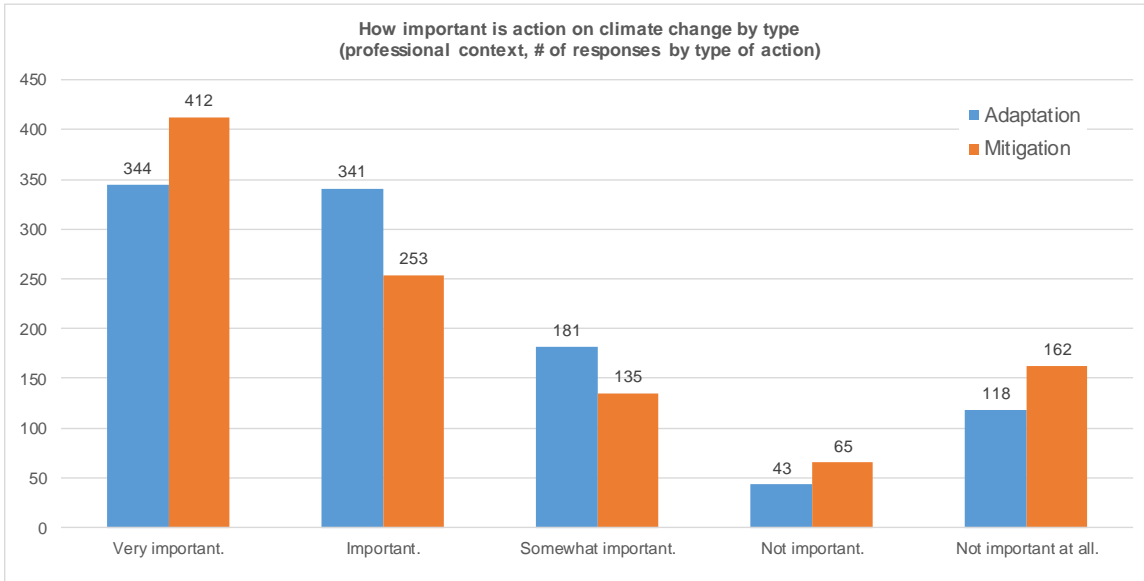
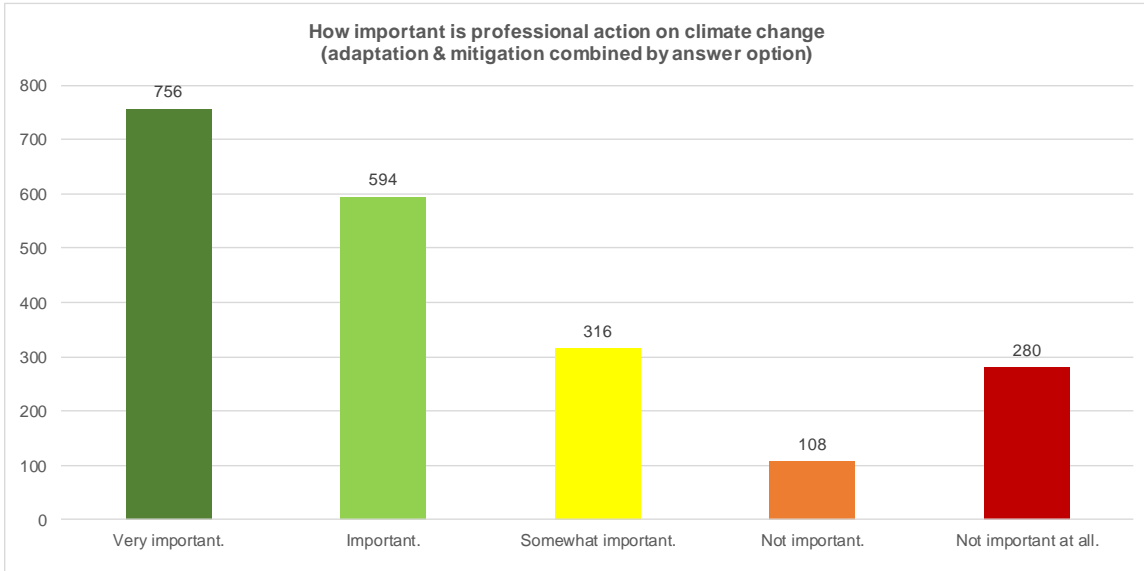
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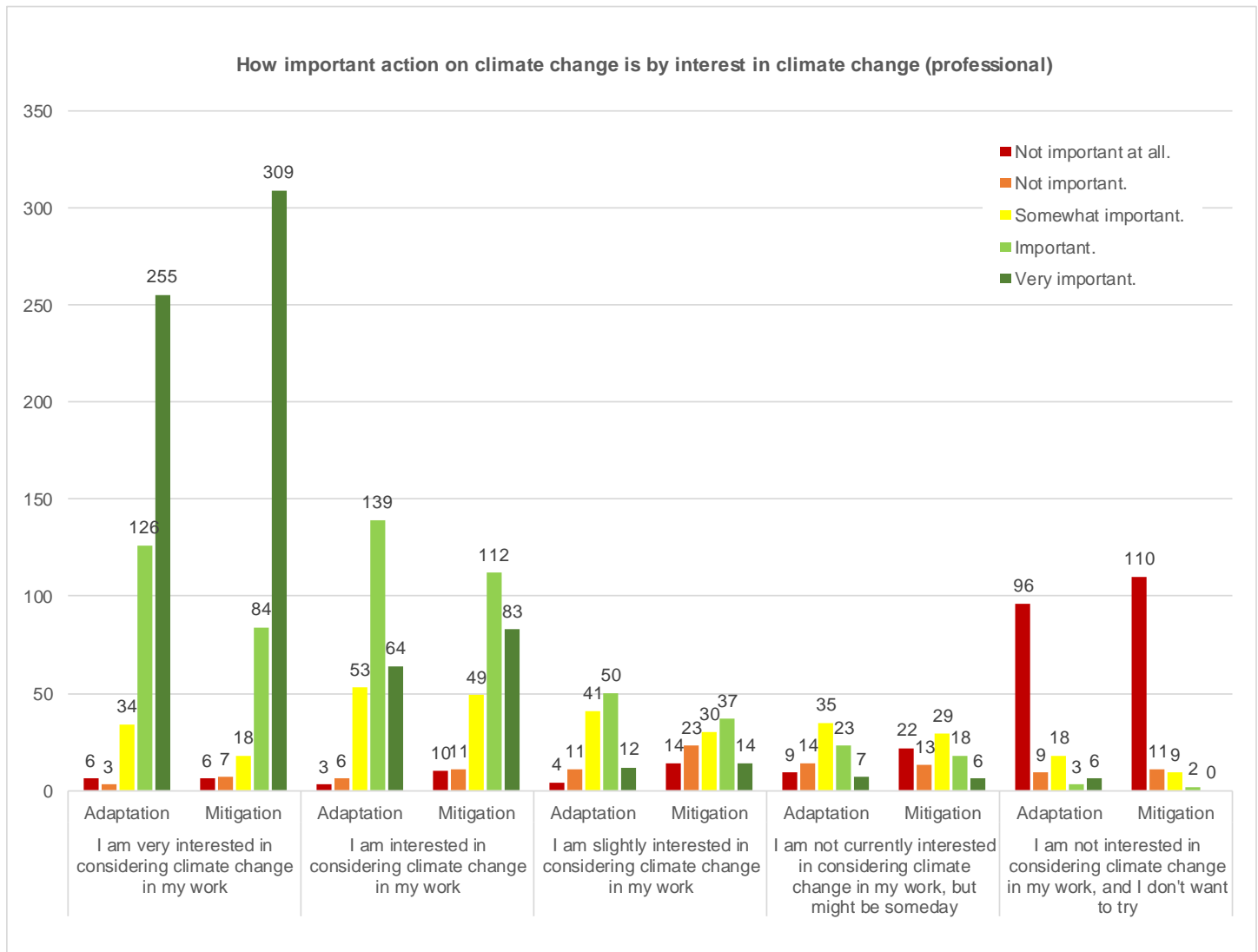


- The more interested respondents are in considering climate change in their work, the less likely they are to think that APEGBC is fulfilling its roles well.

8 IMPORTANCE AND URGENCY

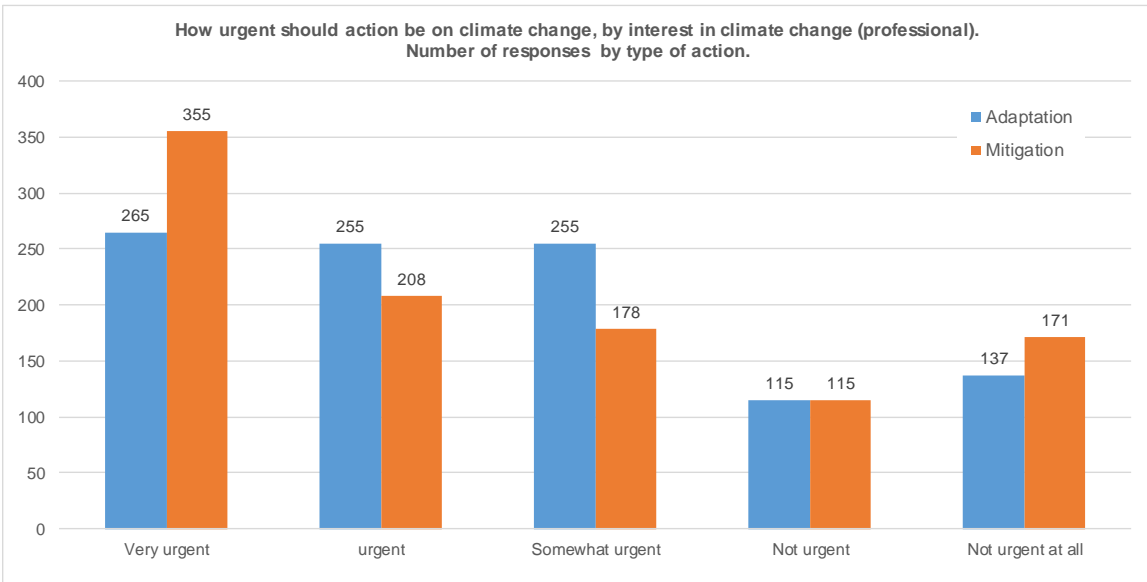
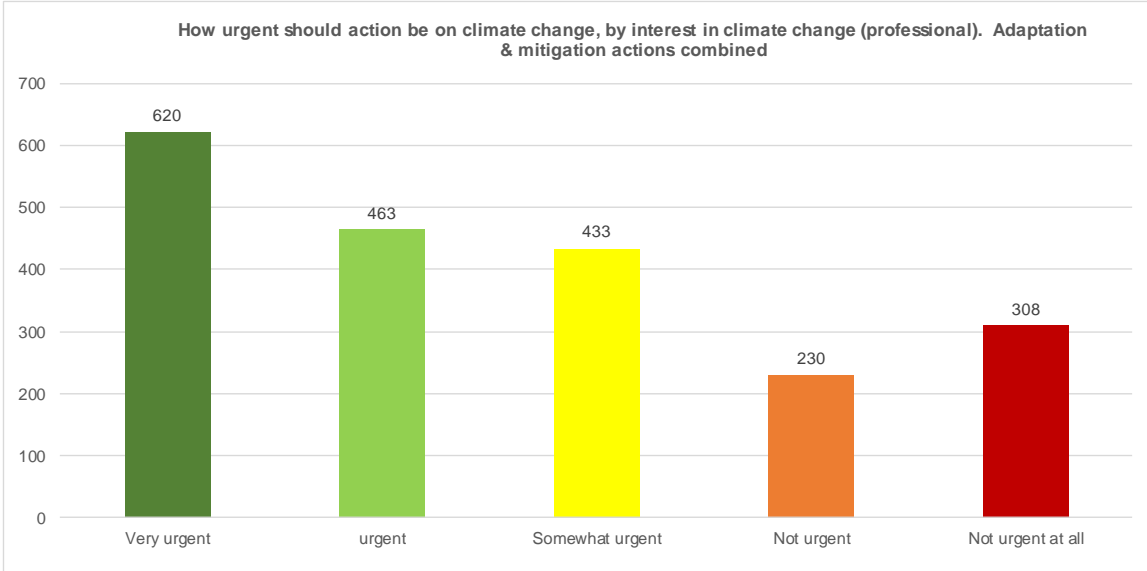
8.1 How Important is Action on Climate Change in Respondents' Work?

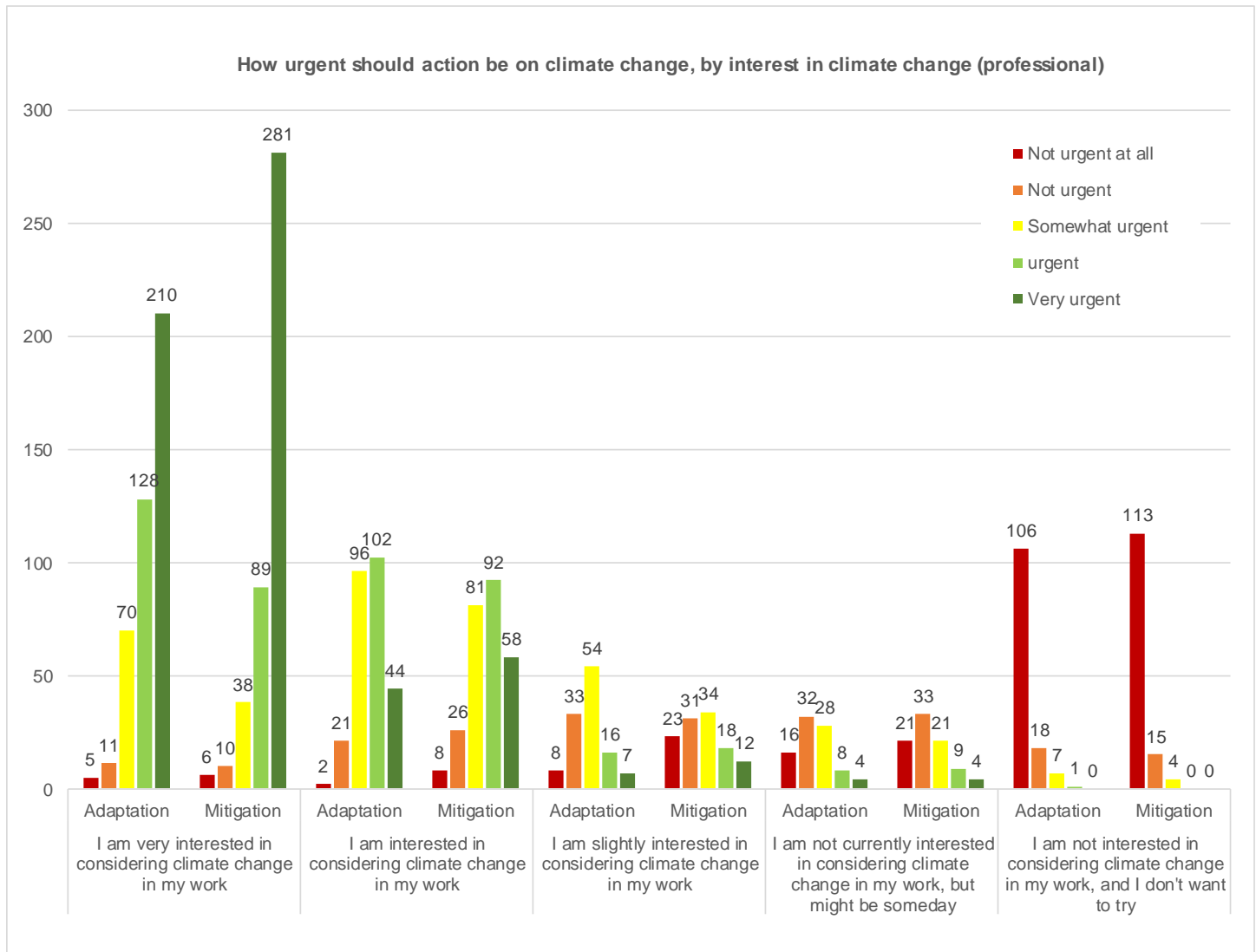




- **66%** of respondents think professional action on climate change is either 'very important' or 'important'.
- **81%** of respondents think professional action on climate change is either 'very important', 'important' or 'somewhat important'.
- Mitigation actions are more important to undertake / not undertake to those at either end of the interest spectrum ('very interested' and 'not interested at all' respectively). In the middle of this interest spectrum, adaptation is more important. Is adaptation more rational?
- Personal and Professional opinions about importance of action on climate change are similar (graph not shown).

8.2 How Urgent Should Action on Climate Change be Taken in Respondents' Work?

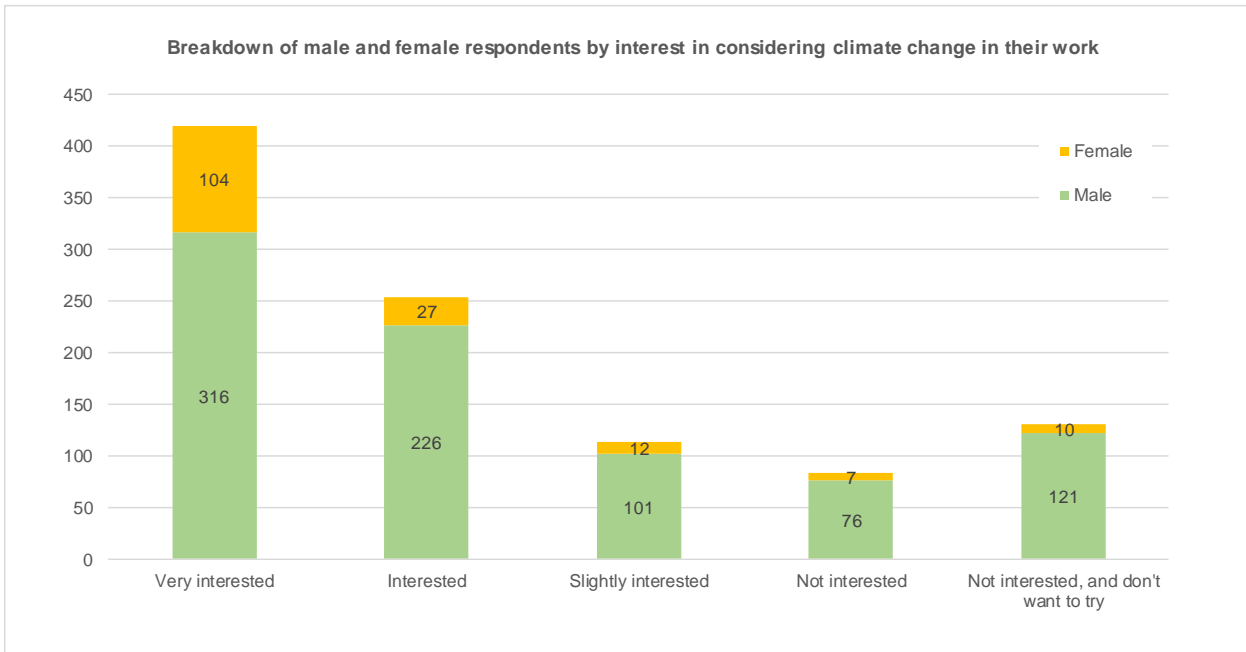




- **53%** of respondents think professional action on climate change (adaptation and mitigation combined) is either 'very urgent' or 'urgent'.
- **55%** of respondents think professional action on climate change (just mitigation) is either 'very urgent' or 'urgent'.
- **74%** of respondents think professional action on climate change (adaptation and mitigation combined) is either 'very urgent', 'urgent' or 'somewhat urgent'.
- **72%** of respondents think professional action on climate change (just mitigation) is either 'very urgent', 'urgent' or 'somewhat urgent'.
- **26%** of respondents think professional action on climate change (adaptation and mitigation combined) is either 'not urgent' or 'not urgent at all'.
- Personal and Professional opinions about urgency of action on climate change are similar, with mitigation actions slightly more urgent at a personal level (graph not shown).
- Opinions of the importance and urgency of actions on climate change closely correlate.

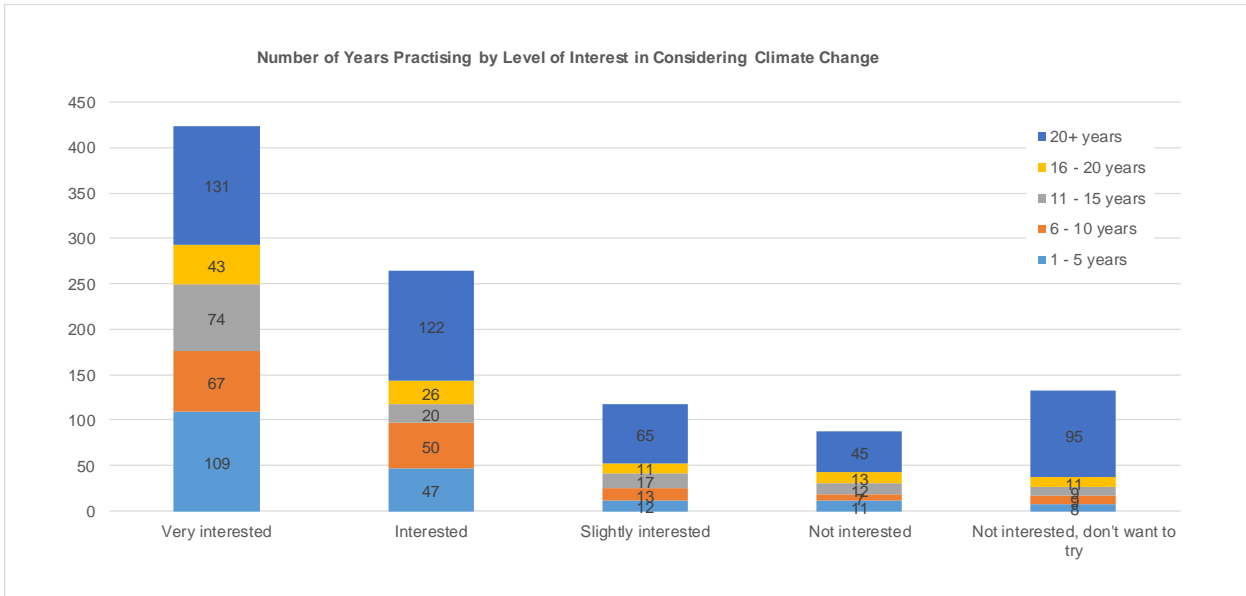
9 RESPONDENT DEMOGRAPHICS

9.1 By Gender



- Respondent groups that are 'interested', 'slightly interested', 'not interested' and 'not interested, and don't want to try' are typically made up of 10% or less females.
- Respondent group that are 'very interested' are made up of 25% females. The more interested respondents are in considering climate change in their work, the more likely they are to be female – but still in minority.

9.2 By Amount of Time Practising



- The more interested respondents are in considering climate change in their work, the more likely they are to have been practising for a
- Extrapolation: time practising was a proxy question for age of respondent. Possible conclusion is, as respondents' interest in considering climate change decreases, the likelihood of them being older increases. Further, our target audience for action (i.e. those either 'very interested' or 'interested') are an equal mix of ages.