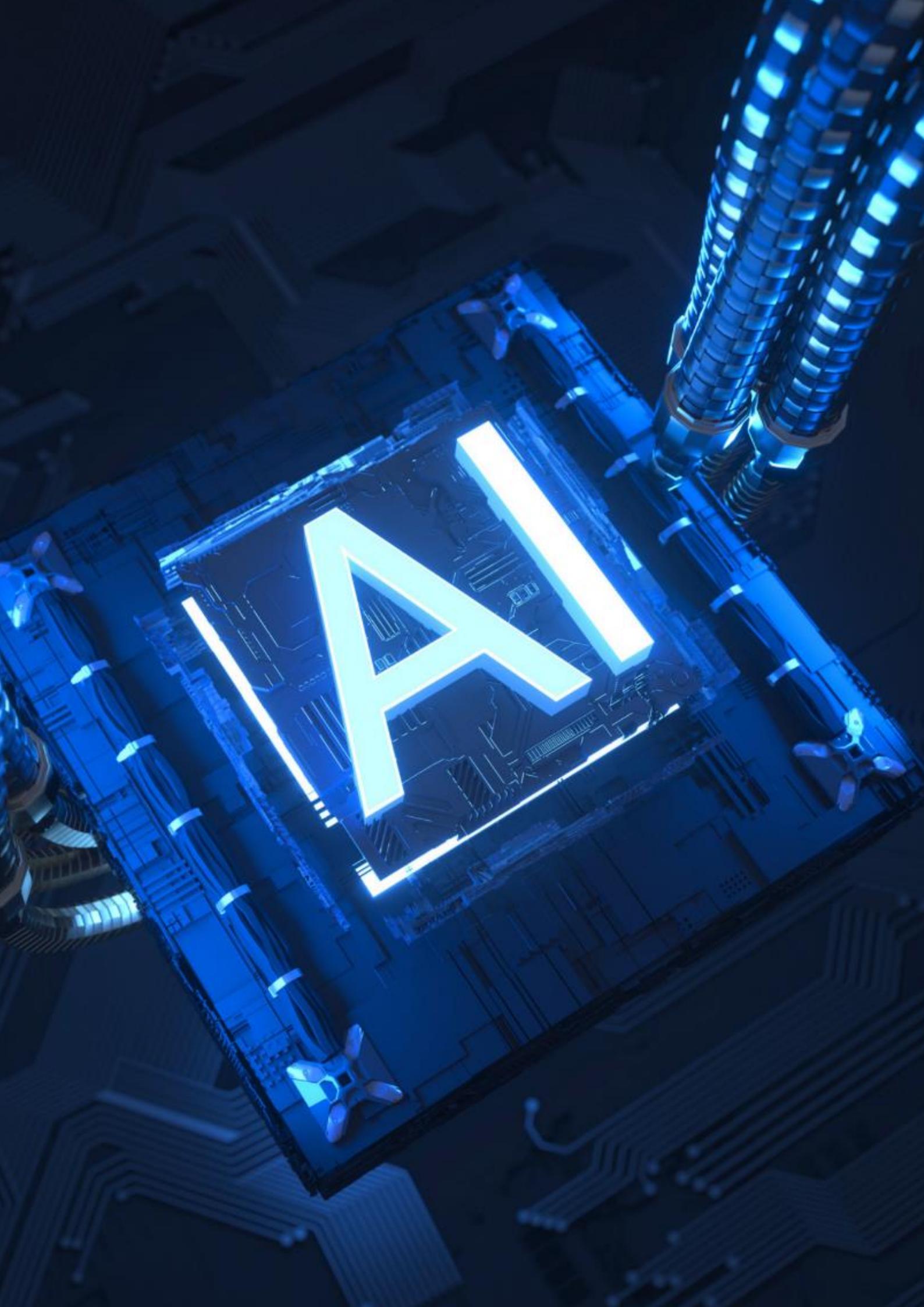


ARTIFICIAL INTELLIGENCE

Attitudes Towards Artificial Intelligence Among Aotearoa New Zealand Planners

March 2024

A



Contents

Executive Summary	5
Structure of the Survey	8
Results & Analysis	11
Summary of the Respondents	11
The use of AI Tools	16
Views on the role of AI Tools	20
Conclusion	26
References	28
Attachment: Results of Survey	30

Executive Summary

PlanTechNZ is a Special Interest Group of the New Zealand Planning Institute. It comprises planners who are passionate about the role of emerging technologies in the future of planning practice.

PlanTechNZ sought to understand the current landscape of AI tool and service utilisation amongst New Zealand Planning Institute members—spanning both the private and public sectors. To that end they invited members in November 2023 to participate in a survey titled '*AI Utilisation in Planning Work*'.

The group seeks to use the experiences and viewpoints collected to first understand AI's use in planning and to inform the New Zealand Planning Institute and its members in responding to AI advancements in the planning field.

This report presents the results of the survey undertaken during November/December 2023, and analysis of the results with respect to attitudes and use of AI.

The following is a summary of the main findings and insights from the survey:

- **Respondents' demographics and background:** The survey had 152 respondents from different age groups, ethnicities, employer types, and organisation sizes. Most respondents were senior or managerial planners with NZPI membership.
- **AI tools and services used by respondents:** The most common AI tools or services used by respondents were Microsoft's Bing and Copilot¹, and OpenAI's ChatGPT. Some respondents did not use any AI tools or services. The main uses of AI were information retrieval, document preparation, and assistance with text.
- **Introduction and management of AI tools in the workplace:** AI tools were mostly introduced by personal initiative or organisational decision-making. Most organisations did not have specific policies or prohibitions regarding AI use. Privacy concerns were a key issue for some organisations.
- **Views on the role of AI tools in the planning profession:** Most respondents viewed the potential of AI in the planning profession positively, as it could reduce time spent on mundane tasks and increase productivity. Some respondents expressed

¹ Bing AI has been rebranded as Copilot consistently across all Microsoft products.

concerns about job loss, lack of human touch, ethical issues, and quality of work.

- **Reasons and challenges for adopting AI tools in the planning work:** The main reasons for not adopting AI tools were cost constraints, lack of understanding and knowledge, privacy and security concerns, and commercial sensitivity. The main challenges or concerns for adopting AI tools were accessibility and trust issues, data confidentiality, lack of human touch, and job loss.
- **Support and resources needed for increasing AI use in the planning work:** Some respondents indicated that they would need more training, education, guidance, and awareness on how to use AI tools effectively and ethically. Some also suggested that NZPI could play a role in providing support and resources for AI adoption.



Structure of the Survey

The Survey, titled '*AI Utilisation in Planning Work*', was shared online via a hyperlink accessible during the months of November and December 2023. It composed 22 questions. The survey structure can chiefly be split into the three components shown in Figure 1.

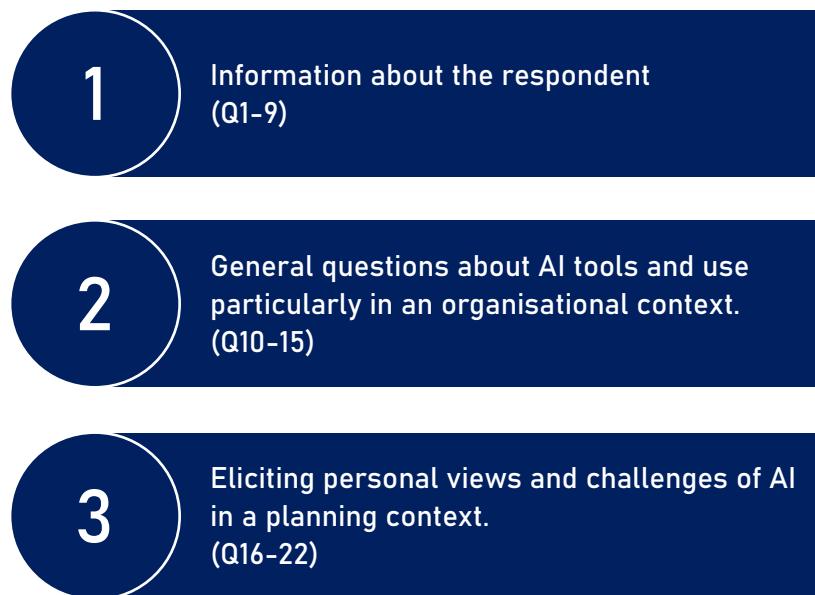


FIGURE 1 – THREE SECTIONS OF THE SURVEY

The questions posed in the survey were as follows:

No	Question	Type of Answer
1	What is your job title within your organisation?	(Short Form Answer)
2	How many years have you been working within the planning profession?	(Short Form Answer)
3	What level of NZPI membership do you have in 2023?	(Short Form Answer)
4	What best describes your gender identity?	(Short Form Answer)
5	What is your ethnicity?	(Short Form Answer)
6	What is your age?	(Short Form Answer)

7	What type of employer do you work for?	(Short Form Answer)
8	What is the size of your organisation?	(Short Form Answer)
9	Is your organisation an NZPI supporter organisation?	(Short Form Answer)
10	Which, if any, AI tools or services are you currently using in your work?	(Short Form Answer)
11	Could you briefly describe how you use these AI tools or services in your work?	(Long Form Answer)
12	How long have you and/or your organisation been using any of the AI tools or services you mentioned?	(Short Form Answer)
13	How were these AI tools or services introduced into your work?	(Short Form Answer)
14	Are there any AI tools or services that are explicitly prohibited within your organisation?	(Short Form Answer)
15	Does your organisation have any specific policies regarding the use of AI tools or services?	(Short Form Answer)
16	How do you personally view the potential of AI in the planning profession?	(Short Form Answer)
17	Could you explain why you view the potential of AI in the planning profession in that way?	(Long Form Answer)
18	How do you perceive your organisation's attitude towards the adoption of AI in planning?	(Short Form Answer)
19	If your organisation does not currently use AI tools or services, what do you consider are the main reasons for this?	(Long Form Answer)
20	What are the main challenges or concerns for you in adopting AI tools or services in your professional role?	(Long Form Answer)
21	What type of support or resources would you need to increase your use of AI tools in your work?	(Long Form Answer)
22	Is there anything else you would like to share about your or your organisation's experiences or attitudes towards AI in planning?	(Long Form Answer)

In total, 152 respondents completed the survey, which represents a 5% response rate from the approximately 3,100 New Zealand Planning Institute members². The survey achieved a 6.5% response rate from Full and Associate members. It is likely that the response rate may have been affected to some degree by the timing of the survey, being released for submissions during the busy end of year season. AI as part of everyday use may also not be at the forefront of all planners as part of their day-to-day work.

Respondents were able to abstain from any question in the survey. Figure 2 indicates the number of respondents who abstained from various questions. As is typical of all surveys, ‘long form answers’ have a higher chance of being abstained.

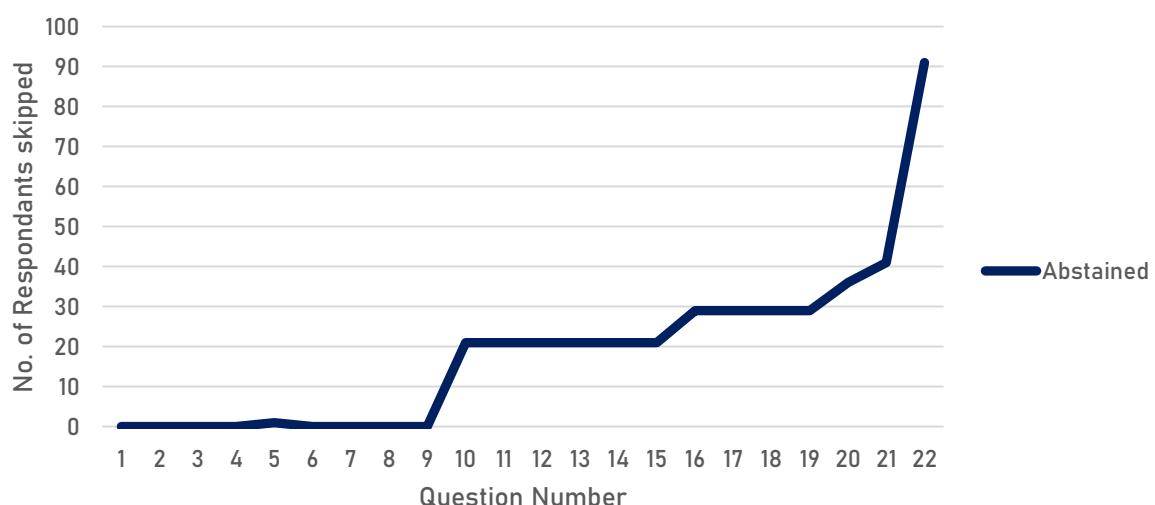


FIGURE 2 – GRAPH: SURVEY QUESTIONS ABSTAINED (LINEAR)

In reviewing that data, it appears that some respondents began abstaining from a series of questions in succession, notably at question 10 and again at question 16. Comments from the survey suggest that there was an inability to answer in the negative to certain questions where an individual did not use AI Tools. Such situations can raise questions of data quality and bias. However, in reviewing the raw data it is considered that the number of responses provided are still of sufficient size and quality to enable appropriate analysis and a fair summarisation of views.

² New Zealand Planning Institute, Annual Report 2022 (p. 9)

Results & Analysis

Understanding the Data: A Note on 'Respondents'

In the following analysis, the term 'respondents' refers to individuals who have provided answers to specific questions within the survey. Not all participants responded to every question. As such, percentage figures and insights are drawn from the number of respondents to each question, not the total number of survey participants. This approach ensures that our analysis accurately reflects the opinions and behaviors of those who engaged with each particular query.

Where we discuss the survey population as a whole or present a 'typical' respondent profile, we base our discussion on overall survey responses, and we clearly indicate this to avoid any misunderstanding.

Summary of the Respondents

The first nine questions of the survey asked for demographic information and professional background and engagement in planning through questions like how long the individual have been working in the planning profession, and whether they belong to the New Zealand Planning Institute.

Figure 3 presents a 'typical' overall survey respondent based on the top results for each of the relevant questions of the survey. As identified some of the questions had finely balanced results suggesting a fair cross-section of the planning community was engaged in the survey.



FIGURE 3 – INFOGRAPHIC: 'TYPICAL' RESPONDENT

In terms of gender identity, there was even balance between those who identified as ‘female’ and ‘male’, with slightly more female respondents. Two respondents identified as non-binary, and one further respondent self-identified as a biological female.

Amongst respondents, the typical age cohort was between 36-45 years of age, with those in their early 40’s the most dominant. This is slightly older than the wider New Zealand working population where the age decade of 30-39 years old is most represented³. Nonetheless the survey had respondents from a wide cross-section of the age demographic ensuring a fair chance of views and opinions from different ages being represented.



**36-45 Year Age Group
was the most represented.**

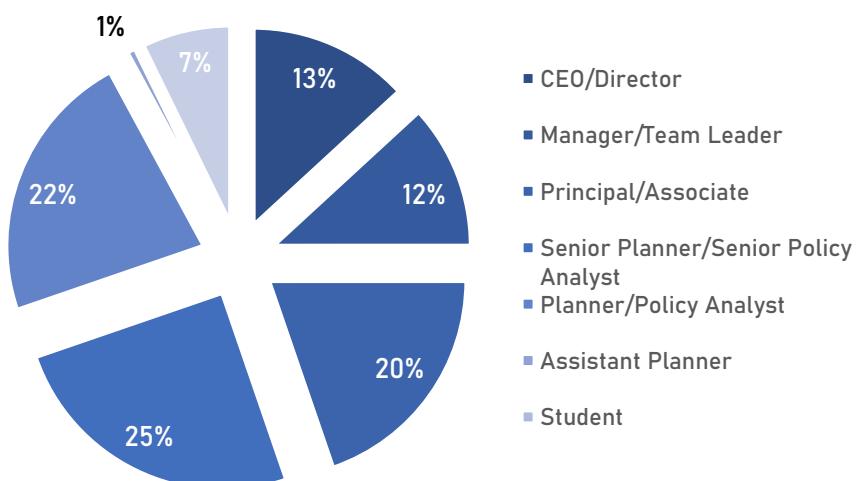
In terms of ethnicity, ‘NZ European / Pākehā’ and ‘European’ made up 83.3% of respondents. With ‘Asian’ at 4.6%, ‘Māori’ at 3.3% and 1 respondent identifying by the ethnicity code ‘MELAA’⁴. The question did elicit a number of alternative responses with 7.95% of respondents describing their ethnicity, including identifying more than one for example ‘NZ European, NZ Maori, Irish, Australian’ and ‘Samoan, NZ European, Scottish’.

As the age profiles indicate, there appears to be a higher incidence of those in job roles who may be traditionally seen as those with higher responsibility and experience. 44% of respondents were in some form of management over oversight capacity in the form of CEO/Director, Manager/Team Leader, or Principal/Associate. No students took part in the survey. These results suggest that most respondents are likely to have some opportunity to influence - in their own businesses or team - the adoption of regulation of AI.

³ Stats NZ – Tatauranga Aotearoa ‘Household labour force survey estimated working-age population’, March 2021

⁴ Short for: Middle Eastern/Latin American/African

Overall, respondents were more likely to be in their first 15 years of their planning career, although results were generally evenly distributed across five-year intervals; 8.55% of respondents had been in the profession greater than 30 years.



In terms of the type of employer that respondents worked for, there was an almost even split between those in government and consultancies either solely planning or multi-disciplinary. 6.6% of respondents were self-employed and 4% were from ‘Industry or special interest body’ or ‘Infrastructure provider’. No respondents work for a university or research institute.

FIGURE 4 – GRAPH: JOB TITLE WITHIN ORGANISATION

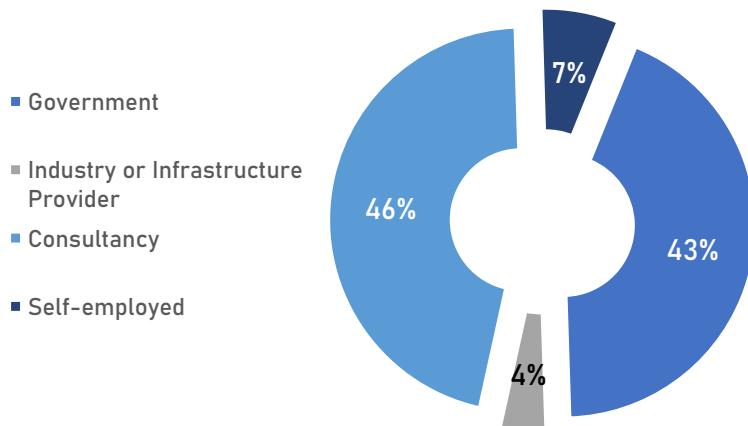


FIGURE 5 – GRAPH: EMPLOYER TYPES

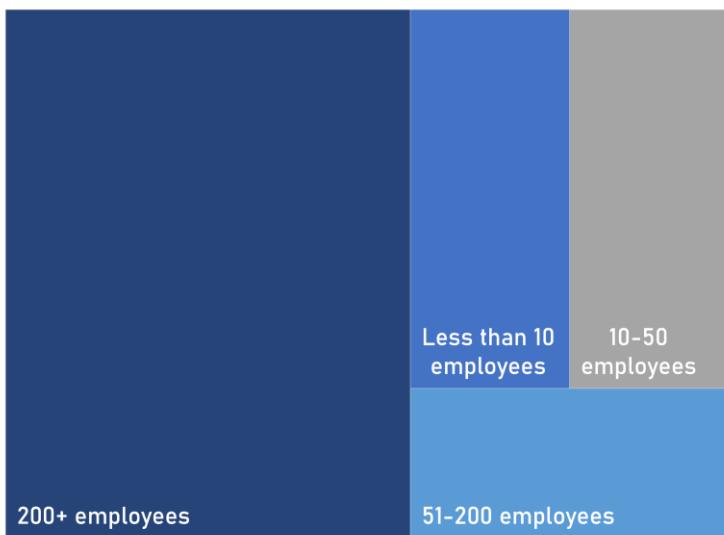


FIGURE 6 – GRAPH: ORGANISATION SIZE.

The size of the workforce had some correlation with the employer types. Generally, government and multi-disciplinary consultancies have larger standing workforces. A majority of respondents (55%) worked in 200+ employee organisations, approximately 12% worked in 51-200 employee organisations, with 15% a piece for both micro and smaller sized organisations⁵.

Respondents were asked about whether their organisation was a New Zealand Planning Institute supporter organisation. Such supporter organisations encourage all planners within their organisation to become and retain membership of the Institute. A little over a third (35%) indicated that they were in a supporter organisation, another third (33%) confirmed they were not. However, approximately another third (32%) indicated they were unsure, suggesting that staff may not always be clear on whether their organisation is an NZPI supporter.

⁵ New Zealand Department Foreign Affairs and Trade, ‘Trade and Small and Medium Enterprises’, 2018



The use of AI Tools

AI TOOLS USED

This section provides an overview of the responses to several questions including what AI tools the respondent uses, how those tools are used in their work, and the operation and management of AI tools in the workplace. This question set received 131 responses altogether.

Question 10 asked respondents which AI tools or services they are currently using in their work. We have identified an issue with the listing of 'Microsoft 365' as a standalone option in this question, which may have caused some ambiguity. While 'Microsoft 365' is a suite of productivity applications, it is not in itself an AI tool. This may have led to some respondents selecting it under the impression that it represents Microsoft's AI capabilities, which are actually embodied in the 'Copilot' feature. To address this, we have combined 'Microsoft 365' with 'Copilot' in our analysis to reflect the use of AI tools more accurately. Please note that these adjustments are meant to address the categorisation oversight and do not assume respondents' interpretations of the survey items.

Considering the categorisation issue with 'Microsoft 365' and 'Copilot', we have re-examined the responses to Question 10. Given that respondents could select multiple options, we cannot directly combine the percentages of 'Microsoft 365' and 'Copilot' without potentially double counting some responses. Therefore, we present the data with a note of caution regarding 'Microsoft 365', which, as clarified, is not an AI tool on its own but may have been perceived as one due to the inclusion of AI features within some of its applications.

To provide a clearer picture: 41.98% selected 'Microsoft 365', which could include usage of its AI features like 'Copilot'. Separately, 'Copilot' was chosen by 5.34%, and 'Bing'—now rebranded as 'Copilot'—was selected by 16.79%. Since these services are related, some respondents might have selected more than one of these options. It is clear Microsoft's services are well represented. 'ChatGPT' usage is recorded at 35.88%, being the second most used AI tool. 34.35% of respondents indicated that they do not use any AI tools or services, and 11.45% chose 'Other', specifying different AI tools and services, including options such as 'Bing Chat', 'Beca', 'Claude' and 'Writesonic'.

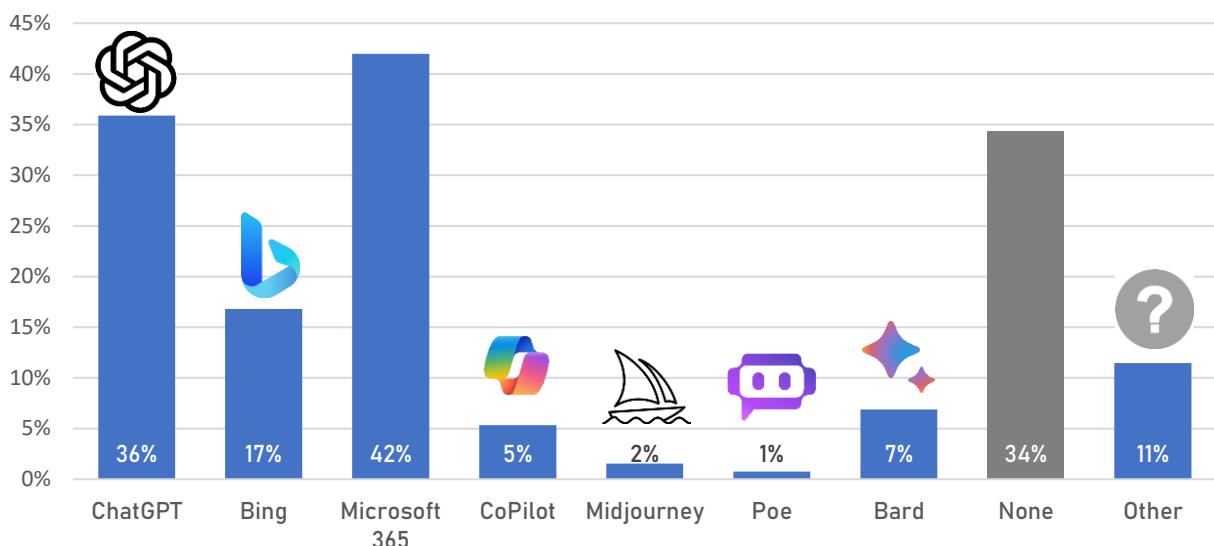


FIGURE 7 – SHARE OF AI TOOLS USED.

Google's Bard (rebranded Gemini as of the date of this report) at 7% does not yet appear to have the same traction as other tools. Gemini may gain more traction in familiarity and use as it is incorporated into a wider range of Google cloud services.

The survey shows a sharp increase in the use of AI with 71.76% of the 131 respondents having started using AI in the previous year. Only 13.74% had used AI for more than 2 years. More planners are starting to use AI through personal initiative (30.53%) than by organisational decision (24.43%).

HOW PLANNERS ARE CURRENTLY USING AI TOOLS

The survey asked respondents who used AI tools in their work, how they applied them to their work. In reviewing individual responses, tools were primarily used in the following three ways:

1. Information Retrieval: AI commonly used for recalling information on the internet, training on new skillsets, and generating creative ideas or images for presentations.
2. Document Preparation: Some individuals utilised AI for preparing and writing documents, including drafting e-mails and reports.

3. Assistance with Text: AI used to provide aid in grammar and spelling checks, as well as summarizing large documents.

A few respondents indicated that they used AI tools to generate action items from meetings. The majority indicated that they used AI at what might be described as an elementary level, primarily to research, summarise and reorder information.

 “Occasionally I use ChatGPT to summarise the key points of a specialist report.”

Recent research indicates the AI tools are being used in a similar way across various professions, with the use of AI to undertake ‘elementary’ tasks boosting worker productivity by approximately 14%.⁶

 “In a limited way [...] for recording community engagement outcomes, we're experimenting with the technology.” 

The elementary use of AI may also have some correlation with the fact that 72% of 131 respondents to Questions 10 through 15 indicated that they have only been using AI tools for less than 12 months. 14.5% indicated that they had been using AI tools for between 1-2 years. 7% of respondents indicated that they have been using the technology for more than five years, which suggests use of AI that pre-dates recent GPT and language model technology.

⁶ Brynjolfsson et. Al.. ‘Generative AI at Work’, 2023, US National Bureau of Economic Research

INTRODUCTION AND MANAGEMENT OF AI TOOLS IN THE WORKPLACE

‘Personal Initiative’ and ‘Organisational Decision-making’ were the two most common reasons by which AI tools were introduced into the workplace setting. Respondents advised that where an organisation have provided access to an AI tool, this was primarily through Microsoft services such as Copilot/Microsoft 365/Bing AI (see page 17). However, it is not evident if organisations have deliberately adopted this approach, as Microsoft often automatically roll out new features, unless ICT teams limit or control the deployment of these tools. It could be that while AI is available to access it may not have been formally endorsed for use. Those who have taken personal initiative generally use ChatGPT or specific AI tools (such as ‘Writesonic’) to achieve niche outcomes.

Generally, most respondents advised that their organisations have not implemented any specific prohibitions on AI or specific AI tools, although a large percentage of respondents were not sure of their organisational policies in this regard. This may suggest that organisations need to take a more active role in discussing with employees their policies in relation to AI, or indeed, developing policies if not yet created.

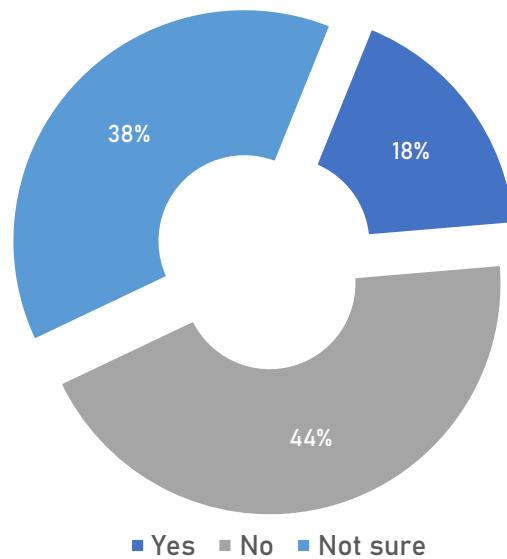
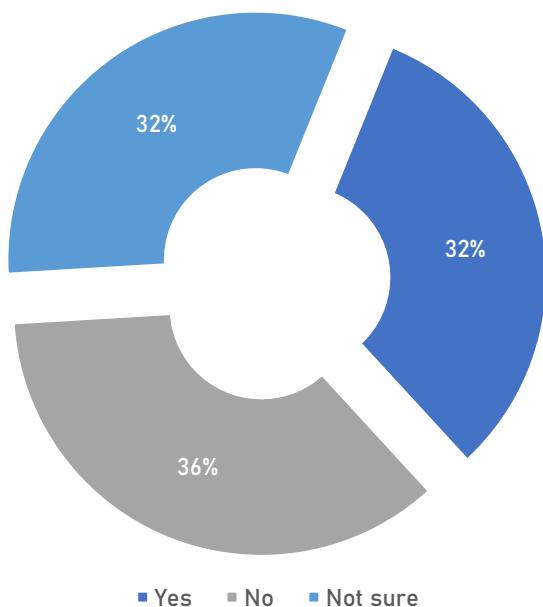


FIGURE 8 – GRAPH: AI PROHIBITIONS IN ORGANISATIONS
ACCORDING TO RESPONDENTS

Respondents perceive that the organisations generally have neutral or positive attitude towards AI in planning, with 9% indicating that they thought their organisations viewed AI negatively.

For those organisations that have developed policies, respondents advised that the policies are positioned to not prohibit the use of AI but place some restriction on what AI can be used for. Privacy considerations appeared to be a key concern with corporate policies indicating that property details or personally identifiable information be removed before being used with AI.



This data appears to align with a recent Datacom study of NZ Businesses which indicated that only 24% of respondents said they had legal guidelines in place for use of AI and just 13% had audit assurance. Survey results showed that organisations with ‘targets for use’ – for example a specific use case or strategy around what the business hopes to achieve using AI – were even lower with just 9% of respondents identifying their business as having these in place⁷.

FIGURE 9 – GRAPH: ORGANISATIONAL POLICY IN PLACE

Organisations and employers may need to provide more guidance on whether they have any policies on employees’ use of AI tools and services and whether they have banned any AI tools and services, so that planners know where their organisations stand.

Views on the role of AI Tools

GENERAL PERCEPTION OF POTENTIAL OF AI IN THE PLANNING PROFESSION

Just over two thirds of the 123 respondents to Question 16 indicated that, in their view, that there is a positive role for AI in the planning profession. 23% held a neutral position, and 11% indicated that they saw AI’s role in planning in a negative light.

⁷ “AI Attitudes in New Zealand”, Datacom, 2023.

Respondents offered a variety of examples to suggest how AI positively influences their work removing what some consider to be the more ‘mundane’ parts of their day-to-day jobs such as summarising reports, writing reports and collating and extrapolating data.

I can see many benefits in increased productivity allowing professionals to spend more time focusing on less mundane tasks. I do see there being a slight risk around quality or work and independent thinking of particularly new professionals with the reliance on AI.

Does not take the place of a real person [with] institutional knowledge, relationships or site visits.

Ultimately it will take away jobs, particularly graduate type work, so graduates will lose training experience.

It reduces time spent on administrative tasks (like summarising, formatting or standard emails) and more time is spent on 'people' related aspects of the role like engagement and collaboration.

Many suggest it is likely to be a tool to help them come to a decision, but that the role of a planner will still be required for the nuanced judgements that come with a planner’s multi-faceted role.

Some expressed concern about the future role of planning graduate positions with more entry-level analysis being undertaken by AI which may be appealing due to it potentially being faster and cheaper than employing graduates.

There were a few contributors that raised concern in relation to the ethics of AI tools in their current form, specifically that AI content could be considered plagiarism. These respondents contend that AI should not be trusted with factual information and making decisions on output.



REASONS AS TO WHY AI MAY NOT BE USED IN ORGANISATIONAL CONTEXTS

According to 123 responses to the question ‘If your organisation does not currently use AI tools or services, what do you consider are the main reasons for this?’ the following are the four main reasons given:

1. Cost Constraints: Some responses indicate that the cost of implementing AI tools is a significant barrier. This could be due to the expense of the tools themselves or the cost of training staff to use them.
2. Lack of Understanding and Knowledge: There seems to be a lack of understanding of AI and how to employ it within the organisation. This could be due to a lack of training or exposure to AI technologies.
3. Privacy and Security Concerns: Some individuals expressed concerns about the privacy and security risks associated with using AI tools. This could be due to worries about data privacy or the potential misuse of AI technologies both internal and external to the organisation.
4. Commercial Sensitivity: That current client’s information is commercial-in-confidence or that there are concerns that the information inputted will not remain private.

Similar attitudes were found in a 2018 study by the Artificial Intelligence Forum of New Zealand (AIFNZ) of businesses towards AI. Participants were concerned that many businesses are simply being complacent about both the opportunities and the potential broader challenges of AI. The AIFNZ recommended that knowledge, awareness, and discussion of the technology at specialist level needs to be translated upwards to management.⁸

⁸ The Artificial Intelligence Forum of New Zealand (AIFNZ), Report: ‘AI Shaping a Future New Zealand’ (p. 36)

PERSONAL CONSIDERATIONS FOR PLANNERS AS TO ADOPTING AI IN A PROFESSIONAL ROLE

When participants were asked to consider AI from a personal professional perspective rather than an organisational one, there was a slight change in the concerns over AI. Nonetheless, similar issues were identified primarily relating to privacy concerns and trust of AI tools.

The top four considerations were:

1. Accessibility and Trust Issues: Some AI tools are perceived as inaccessible to small companies due to the significant time required for learning and training. There is also a lack of trust in the outputs of AI, leading some to prefer completing tasks themselves.
2. Data Confidentiality: There are concerns about the confidentiality of the data being used by AI tools, as well as their lack of critical decision-making and understanding of the information.
3. Lack of Human Touch: AI is perceived to lack the human touch that is crucial to certain roles, such as urban planning.
4. Job Loss: The automation potential of AI raises concerns about job loss.

Some of these themes have been also highlighted by Urban Planners in other countries, with the American Planning Association in their white paper ‘AI In Planning’ identified similar ethical issues. It concluded that ‘AI imposes clear upskilling, education, and training needs on the profession. Planners don’t need to become AI specialists; however, they should understand how AI impacts their work today and in the future.’⁹

⁹ American Planning Association, White Paper: AI in Planning – Opportunities and Challenges and How to Prepare’ (p. 34)



Conclusion

The purpose of this report was to present the results of a survey on the use and awareness of AI by planners in New Zealand. The survey was conducted by PlanTechNZ and NZPI. The survey received 152 responses from planners across different sectors, regions, and levels of experience.

Drawing upon the data gathered through the survey, we can ascertain several insights regarding the current landscape of AI tool usage within the planning profession in New Zealand. The demographic spread of the respondents, including a wide age range and a substantial representation of experienced professionals in positions of influence, indicates that the findings reflect a significant portion of the industry's viewpoints and potential for change.

The survey highlights a robust uptick in AI adoption among planners, predominantly driven by personal initiative rather than organisational mandate. This suggests a grassroots level of interest and exploration of AI capabilities.

The introduction and management of AI tools seem to be occurring in an organic manner, with 'Personal Initiative' and 'Organisational Decision-making' cited as the leading pathways. This points to a more bottom-up approach in the technology's integration, possibly due to the proactive interest of the individual planners or as a response to the gradual rollout of AI features by major service providers like Microsoft.

The data also reveals a notable portion of planners who are yet to engage with AI tools, whether due to organisational policy ambiguity, lack of awareness, or concerns regarding privacy and data security. These findings are echoed in recent studies, indicating a need for increased clarity and guidance at the organisational level regarding AI adoption and policy development.

The planners' current use of AI is predominantly for 'elementary' tasks such as information retrieval, document preparation, and text assistance, which is consistent with AI usage trends in other professions. This elementary application aligns with the fact that a significant majority of respondents are relatively new to using AI tools, with a vast influx within the last

year. However, there is a shared sentiment that while AI aids in efficiency, the nuanced judgements and multi-faceted role of planners cannot be supplanted by technology.

In light of these observations, it is evident that there is a positive sentiment toward the potential of AI in the planning profession, with a two-thirds majority recognising AI as a beneficial tool. Yet, the concerns about ethics, job security, and the potential redundancy of entry-level analysis roles cannot be overlooked. These concerns advocate for a structured dialogue within the profession about the ethical use of AI and the need for upskilling and training to harness AI responsibly.

The NZPI, as the leading professional body for planners in New Zealand, has the opportunity to shape the conversation and direction of AI within the planning profession, ensuring that the benefits are maximised while the challenges are proactively addressed. This survey serves as a baseline for understanding where planners currently stand on AI and can inform the NZPI's strategic approach to technology integration in the profession.

References

FOOTNOTE REFERENCES

Ref No

- 1 New Zealand Planning Institute, Annual Report 2022
https://planning.org.nz/Attachment?Action=Download&Attachment_id=1000599
- 2 Stats NZ – Tatauranga Aotearoa ‘Household labour force survey estimated working-age population, March 2021
<https://www.stats.govt.nz/information-releases/household-labour-force-survey-estimated-working-age-population-march-2021-quarter>
- 4 New Zealand Department Foreign Affairs and Trade, ‘Trade and Small and Medium Enterprises’, 2018
<https://www.mfat.govt.nz/assets/Trade-agreements/UK-NZ-FTA/Trade-and-small-medium-enterprises-.pdf>
- 5 Erik Brynjolfsson, Danielle Li, Lindsey R. Raymond: ‘Generative AI at Work’, 2023, US National Bureau of Economic Research
https://www.nber.org/system/files/working_papers/w31161/w31161.pdf
- 6 Datacom NZ Research, 2023, ‘AI Attitudes in New Zealand’.
<https://datacom.com/nz/en/discover/articles/nz-companies-split-on-ai-adoption-lack-of-policies-poses-risk>
- 7 Ministry of Business, Innovation & Employment, The Artificial Intelligence Forum of New Zealand (AIFNZ), AI Shaping a Future New Zealand’ (p. 36)
<https://www.mbie.govt.nz/dmsdocument/5754-artificial-intelligence-shaping-a-future-new-zealand-pdf>
- 8 American Planning Association, ‘White Paper: AI in Planning – Opportunities and Challenges and How to Prepare’ (p. 34) https://planning-org-uploaded-media.s3.amazonaws.com/publication/download_pdf/AI-in-Planning-White-Paper-Rev.pdf

IMAGE ATTRIBUTION

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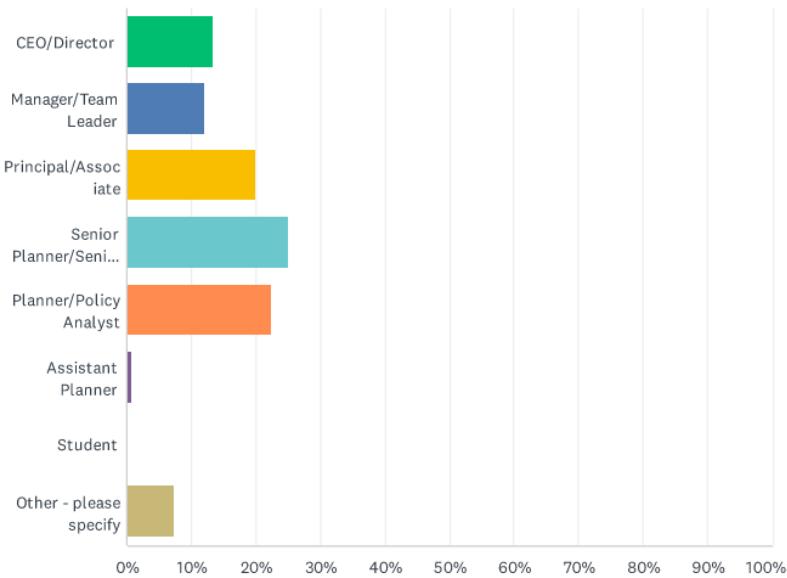
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Attachment: Results of Survey

Attitudes Towards AI Among Aotearoa New Zealand Planners

Q1 What is your job title within your organisation?

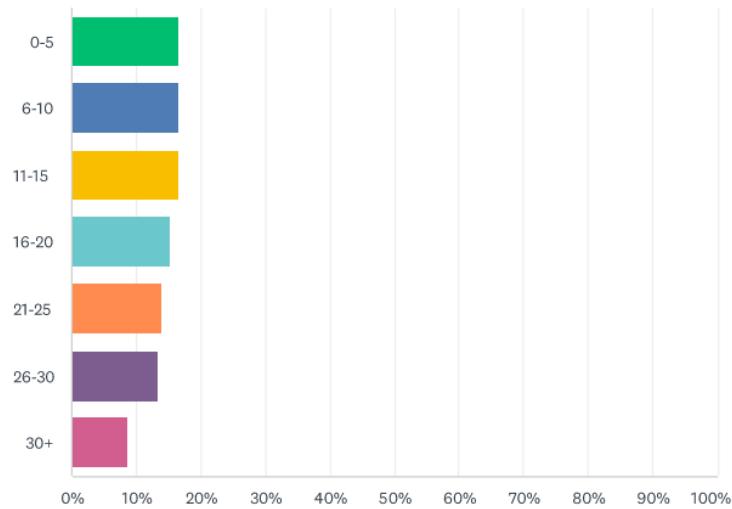
Answered: 152 Skipped: 0



ANSWER CHOICES	RESPONSES	
CEO/Director	13.16%	20
Manager/Team Leader	11.84%	18
Principal/Associate	19.74%	30
Senior Planner/Senior Policy Analyst	25.00%	38
Planner/Policy Analyst	22.37%	34
Assistant Planner	0.66%	1
Student	0.00%	0
Other - please specify	7.24%	11
TOTAL		152

Q2 How many years have you been working within the planning profession?

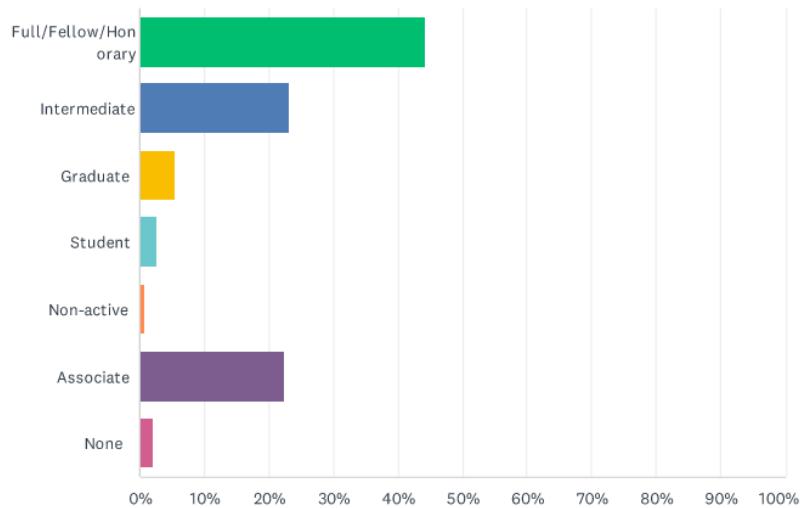
Answered: 152 Skipped: 0



ANSWER CHOICES	RESPONSES	
0-5	16.45%	25
6-10	16.45%	25
11-15	16.45%	25
16-20	15.13%	23
21-25	13.82%	21
26-30	13.16%	20
30+	8.55%	13
TOTAL		152

Q3 What level of NZPI membership do you have in 2023?

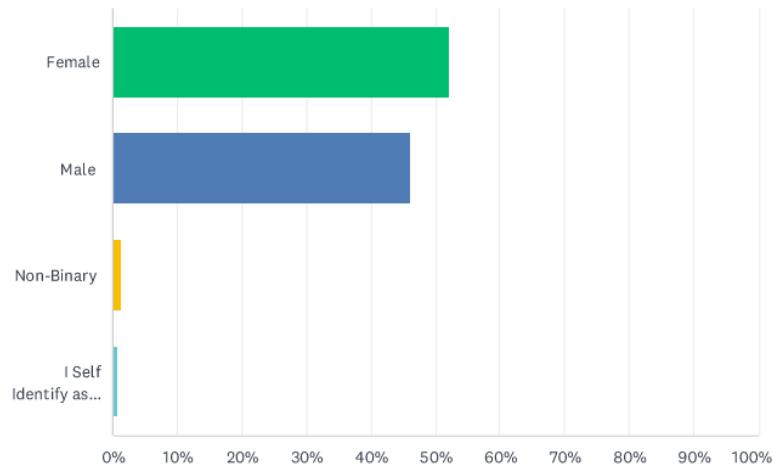
Answered: 152 Skipped: 0



ANSWER CHOICES	RESPONSES
Full/Fellow/Honorary	44.08% 67
Intermediate	23.03% 35
Graduate	5.26% 8
Student	2.63% 4
Non-active	0.66% 1
Associate	22.37% 34
None	1.97% 3
TOTAL	152

Q4 What best describes your gender identity?

Answered: 152 Skipped: 0

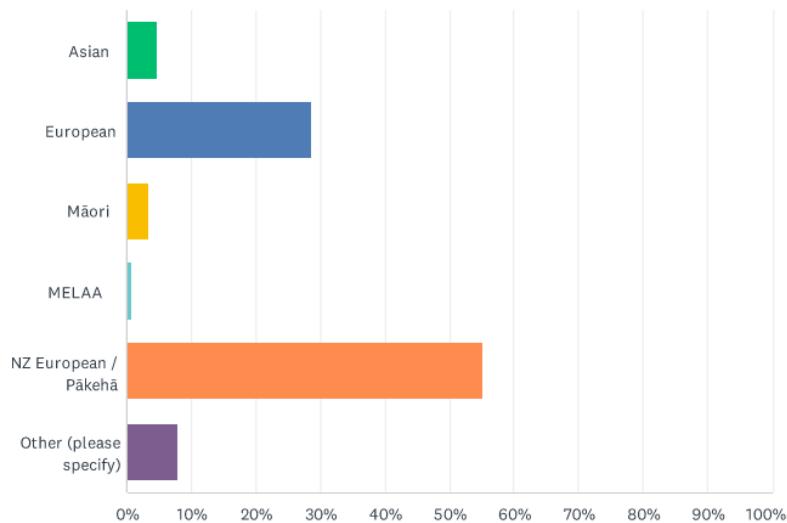


ANSWER CHOICES		RESPONSES	
Female		51.97%	79
Male		46.05%	70
Non-Binary		1.32%	2
I Self Identify as...		0.66%	1
TOTAL			152

#	I SELF IDENTIFY AS...	DATE
1	Biological female	11/26/2023 9:14 PM

Q5 What is your ethnicity?

Answered: 151 Skipped: 1



ANSWER CHOICES	RESPONSES
Asian	4.64% 7
European	28.48% 43
Māori	3.31% 5
MELAA	0.66% 1
NZ European / Pākehā	54.97% 83
Other (please specify)	7.95% 12
TOTAL	151

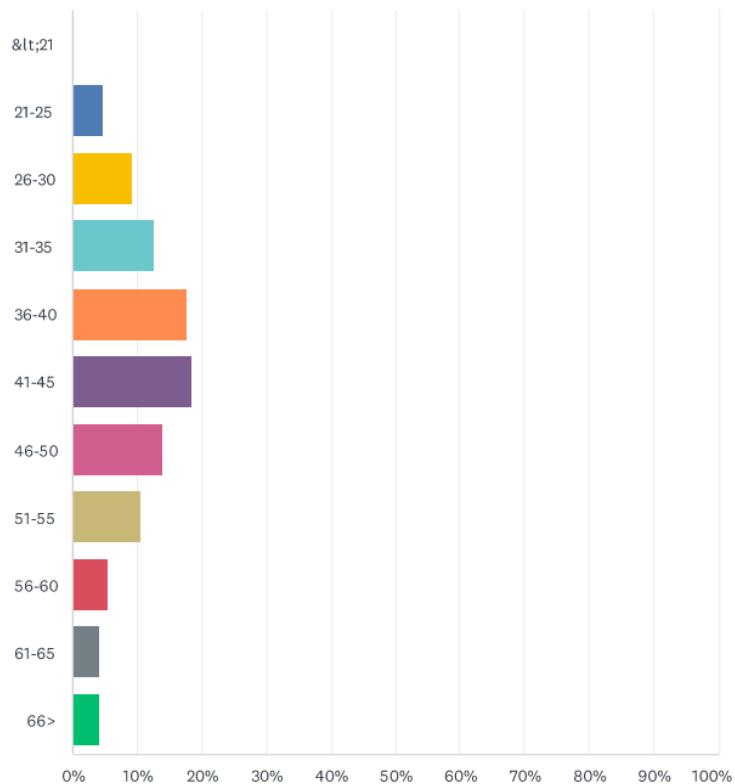
#	OTHER (PLEASE SPECIFY)	DATE
1	Australian European	12/8/2023 9:49 PM
2	Kiwi	12/1/2023 2:06 AM
3	New Zealander	11/29/2023 7:07 PM
4	Samoan, NZ European, Scottish	11/29/2023 12:58 AM
5	Sri Lankan sinhalese	11/27/2023 7:26 PM
6	Polynesian and Pakeha	11/27/2023 3:15 AM
7	NZ European, NZ Maori, Irish, Australian. This question should allow people to select more than one.	11/26/2023 8:52 PM
8	Pasifika	11/26/2023 7:37 PM
9	NZ Euro and Maori	11/26/2023 7:37 PM
10	Australian European	11/24/2023 8:35 PM

Attitudes Towards AI Among Aotearoa New Zealand Planners

11	South American	11/24/2023 3:49 AM
12	NZ Kiwi	11/24/2023 3:40 AM

Q6 What is your age?

Answered: 152 Skipped: 0

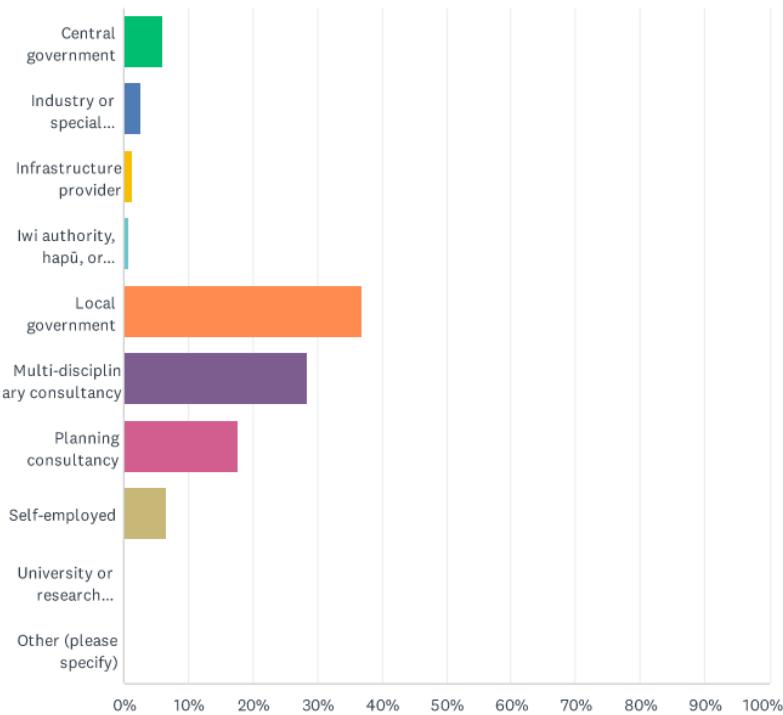


Attitudes Towards AI Among Aotearoa New Zealand Planners

ANSWER CHOICES	RESPONSES	
<21	0.00%	0
21-25	4.61%	7
26-30	9.21%	14
31-35	12.50%	19
36-40	17.76%	27
41-45	18.42%	28
46-50	13.82%	21
51-55	10.53%	16
56-60	5.26%	8
61-65	3.95%	6
66>	3.95%	6
TOTAL		152

Q7 What type of employer do you work for?

Answered: 152 Skipped: 0

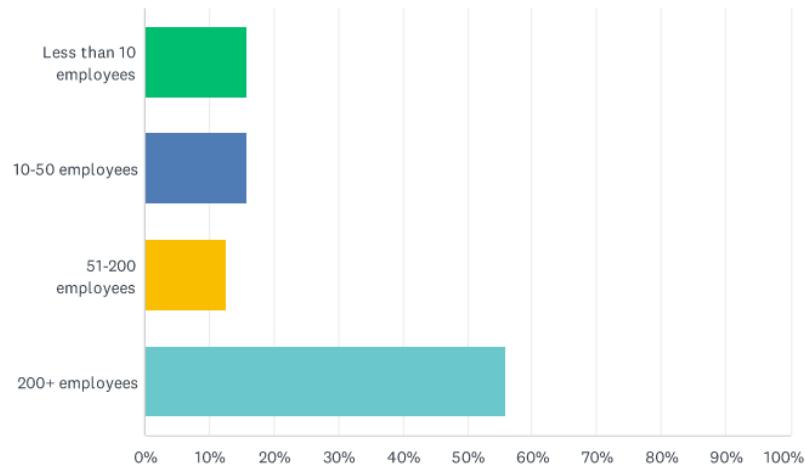


ANSWER CHOICES	RESPONSES
Central government	5.92% 9
Industry or special interest body	2.63% 4
Infrastructure provider	1.32% 2
Iwi authority, hapū, or similar Māori organisation	0.66% 1
Local government	36.84% 56
Multi-disciplinary consultancy	28.29% 43
Planning consultancy	17.76% 27
Self-employed	6.58% 10
University or research institute	0.00% 0
Other (please specify)	0.00% 0
TOTAL	152

#	OTHER (PLEASE SPECIFY)	DATE
There are no responses.		

Q8 What is the size of your organisation?

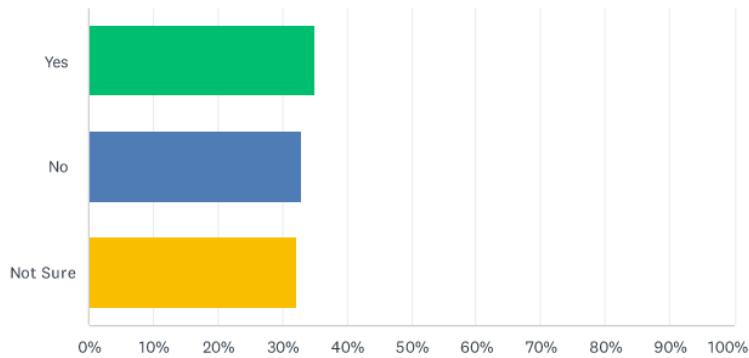
Answered: 152 Skipped: 0



ANSWER CHOICES	RESPONSES	
Less than 10 employees	15.79%	24
10-50 employees	15.79%	24
51-200 employees	12.50%	19
200+ employees	55.92%	85
TOTAL		152

Q9 Is your organisation an NZPI supporter organisation?

Answered: 152 Skipped: 0

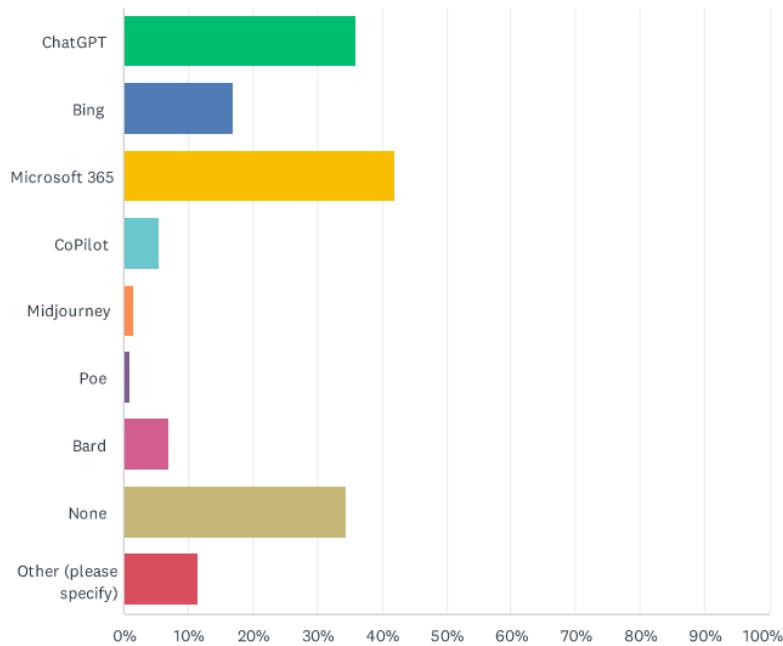


ANSWER CHOICES	RESPONSES	
Yes	34.87%	53
No	32.89%	50
Not Sure	32.24%	49
TOTAL		152

Attitudes Towards AI Among Aotearoa New Zealand Planners

Q10 Which, if any, AI tools or services are you currently using in your work?

Answered: 131 Skipped: 21



ANSWER CHOICES	RESPONSES
ChatGPT	35.88%
Bing	16.79%
Microsoft 365	41.98%
CoPilot	5.34%
Midjourney	1.53%
Poe	0.76%
Bard	6.87%
None	34.35%
Other (please specify)	11.45%
Total Respondents: 131	

#	OTHER (PLEASE SPECIFY)	DATE
1	Adobe Firefly	12/17/2023 8:34 PM
2	Dragon Speaking Naturally 15	12/4/2023 7:12 PM
3	Gramerly for grammar and spelling check	11/30/2023 11:01 PM

Attitudes Towards AI Among Aotearoa New Zealand Planners

4	BingChat	11/29/2023 1:00 AM
5	MS 365 only in terms of text prediction when writing as far as i can accertain.	11/27/2023 3:25 AM
6	about to try Bard	11/27/2023 1:33 AM
7	AI image generators, but just informally among my colleagues.	11/26/2023 11:01 PM
8	Beca has its own FranklyAI platform which has some similarities with Chat GPT.	11/26/2023 10:52 PM
9	Claude; Transcribe; ToDolist; Writesonic	11/26/2023 10:34 PM
10	Chat GPT and Bard being used by individuals, the others are available to whole of Council	11/26/2023 8:22 PM
11	Workday assistant IT questions	11/26/2023 8:14 PM
12	I've looked at using them, but do not use them significantly or regularly	11/26/2023 7:20 PM
13	Frankly AI	11/26/2023 7:17 PM
14	actually we dont use anything day to day but do have access to bing	11/24/2023 8:08 PM
15	Arc GIS	11/24/2023 4:44 AM

Q11 Could you briefly describe how you use these AI tools or services in your work?

Answered: 131 Skipped: 21

#	RESPONSES	DATE
1	For the large language model AI, I predominantly use this for recalling information on the internet, training on new skillsets and generating creative ideas or images for presentations. Adobe Firefly I use to help with image editing in photoshop	12/17/2023 8:34 PM
2	General information retrieval, summarising a range of information, testing letters and reports	12/11/2023 9:56 PM
3	not sure	12/11/2023 12:46 AM
4	To prepare/write documents.	12/10/2023 9:08 PM
5	word, excel, powerpoint, outlook	12/10/2023 8:43 PM
6	Informal, experimental	12/10/2023 8:10 PM
7	N/A - I don't believe that AI has a role in writing planning applications/evidence etc. The rest of the organisation uses AI for a variety of purposes.	12/10/2023 8:06 PM
8	I use them to search the web and provide answers on certain questions I have that would require me to go manually searching the internet.	12/10/2023 7:36 PM
9	None	12/8/2023 9:51 PM
10	I don't use AI tools presently.	12/6/2023 3:45 AM
11	preparing consent applications and comms and engagement material	12/5/2023 7:46 PM
12	NA	12/5/2023 1:43 AM
13	i dictate everything	12/4/2023 7:12 PM
14	Very occassionally get assistance with text. The team is starting to use AI tools to summarise public feedback	12/3/2023 10:40 PM
15	Primarily use Copilot/BingChat to help me navigate info on the internet and incorporate into my work eg research, giving me subtopics under an issue, exploring arguments for and against, preparing first drafts for all sorts of text from emails to reports, getting a 'starter' for wording difficult statements, creating images or graphics. I am looking forward to using Copilot across M365 suite but haven't done this to date - this will further optimise work production, research and information management and offer 'virtual assistant' type help to drive efficiency.	12/3/2023 9:54 PM
16	I do not agree with using AI tools. Their input data sets are often unethically and illegally sourced - the authors of the work not having consented to their work being fed into a plagiarism machine. Additionally, while feeding in data sets based on planning writing might generate a particular writing style, the AI programs cannot be used for anything requiring factual information unless you input those facts yourself. Most are designed to output text/images that is similar to the input but different/unique. So for example if someone was training an AI tool on reports referencing case law, it wouldn't source accurate case law references in the output, but rather it would generate text in the same format as those references but containing made-up text.	12/3/2023 8:34 PM
17	Microsoft for word, outlook, powerpoint etc ChatGPT for summarising large documents	12/1/2023 2:08 AM
18	Gramerly for grammar and spelling check	11/30/2023 11:01 PM
19	Company policy on AI use. Bing is the company's preferred platform. Use AI occasionally to compare or draft	11/29/2023 7:09 PM
20	summarising & analysing submissions, summarising and analysis documents and reports. developing initial drafts of documents	11/29/2023 3:00 AM
21	As sounding board, analysis of data/information, to support in framing responses, reports	11/29/2023 1:00 AM
22	.	11/28/2023 2:47 AM

Attitudes Towards AI Among Aotearoa New Zealand Planners

23	I have not yet, but one of my colleagues mentioned how useful it is to record a meeting and then receive the transcript afterwards, with links back to the specific places in the meeting where points were made. I feel this could be useful in future and we are not far from embracing this, especially since it takes everyone so long to make post-meeting minutes digestible afterwards and is double handling.	11/28/2023 12:33 AM
24	?	11/27/2023 8:08 PM
25	I have no idea	11/27/2023 7:59 PM
26	We don't really. The search engines and the auto-suggest options just get used as it happens.	11/27/2023 7:28 PM
27	Digital transcripts of voice mail messages. (Hilarious!)	11/27/2023 6:56 PM
28	Teams, office, outlook, onedrive, word, excel, powerpoint, sharepoint,	11/27/2023 3:43 AM
29	Non-existent. I assume you aren't talking about standard database programs, excel etc.	11/27/2023 3:25 AM
30	Use of Microsoft office suite	11/27/2023 3:23 AM
31	I am currently working as a processor for building consent . I want to learn more about planning .	11/27/2023 2:52 AM
32	some is in the background, but we specifically used chatGPT to provide an initial draft region wide freshwater vision that staff then worked on to meet the NPS-FM requirements for FMU visions	11/27/2023 1:33 AM
33	Unsure	11/27/2023 1:26 AM
34	.	11/27/2023 12:55 AM
35	N/A	11/27/2023 12:45 AM
36	NA	11/27/2023 12:35 AM
37	minimal use.	11/26/2023 11:44 PM
38	Microsoft Outlook, Word, Excel and Teams everyday.	11/26/2023 11:23 PM
39	NA	11/26/2023 11:20 PM
40	General software requirements for communication and documentation	11/26/2023 11:16 PM
41	A simple clear overview of common understanding on a topic	11/26/2023 11:01 PM
42	N/A	11/26/2023 10:57 PM
43	In a limited way currently, for recording community engagement outcomes, we're experimenting with the technology.	11/26/2023 10:52 PM
44	I use it to help find and summarise information on a topic	11/26/2023 10:39 PM
45	Everything from drafting consents, summarising evidence, s32 analysis, research, policy analysis, designing presentations, constructing bios, preparing offers of service, cleaning data, writing code, software training (how to perform tasks), project management, SEO, office automation, etc	11/26/2023 10:34 PM
46	I don't use AI tools	11/26/2023 10:03 PM
47	we don't use AI	11/26/2023 9:47 PM
48	Where I have a good application, I use it to rewrite aspects to appear as organic words, but not copied from the application (when a council doesn't accept using s42A to adopt aspects of the report). I use it when PDF documents don't copy paste well. I use it to review template documents for clarity. I use it to elaborate on areas that I struggle to talk about. It has drastically dropped the time it takes me to review a consent application. We are a short stepping stone away from having AI write, review and process simple and moderately complex applications.	11/26/2023 9:43 PM
49	na	11/26/2023 9:29 PM
50	Occasionally I use ChatGPT to summarise the key points of a specialist report.	11/26/2023 9:15 PM
51	I use AI tools to help review my work.	11/26/2023 9:10 PM
52	Use Windows suite	11/26/2023 8:54 PM

Attitudes Towards AI Among Aotearoa New Zealand Planners

53	Dont use	11/26/2023 8:39 PM
54	Word, Excel and powerpoint?	11/26/2023 8:37 PM
55	I don't	11/26/2023 8:35 PM
56	Just the automatic email/chat replies	11/26/2023 8:34 PM
57	I use it to refine sentences now and then when I can't get the right words.	11/26/2023 8:31 PM
58	I type in questions and it spits out answers	11/26/2023 8:30 PM
59	Don't really use any	11/26/2023 8:27 PM
60	I am only just starting to test what it can do - using a scientific approach to my testing strategy with negative controls, changing one parameter at a time etc	11/26/2023 8:22 PM
61	n/a	11/26/2023 8:18 PM
62	Applying for leave Asking IT related queries and problems	11/26/2023 8:14 PM
63	I think we should be using them, however (to my knowledge) our organization doesn't allow the use of AI unless you have specific approval.	11/26/2023 8:13 PM
64	Am not using them. A colleague is trailing AI	11/26/2023 8:10 PM
65	search, meeting, editing.	11/26/2023 8:10 PM
66	I don't currently use AI. Others in the organisation do however.	11/26/2023 8:09 PM
67	n/a	11/26/2023 8:01 PM
68	once, to rewrite an email	11/26/2023 7:53 PM
69	We do not currently use any	11/26/2023 7:50 PM
70	none	11/26/2023 7:46 PM
71	ChatGPT - in the wording on paragraphs Microsoft365 - use as our workplace base	11/26/2023 7:39 PM
72	Use to generate text, paraphrase sentences	11/26/2023 7:38 PM
73	Barely at all but I have had a play on ChatGPT	11/26/2023 7:38 PM
74	N/A	11/26/2023 7:37 PM
75	Use it to bounce ideas around, and for generic descriptions.	11/26/2023 7:34 PM
76	It provides the most up to date Office apps from Microsoft (e.g. Word, Excel, PowerPoint, cloud storage), most of which are used on a daily basis for word processing, number crunching and presenting.	11/26/2023 7:34 PM
77	Document management for folders, emails, teams all in one place.	11/26/2023 7:31 PM
78	Summarising large documents, report drafting assistant - but always looking to find additional uses	11/26/2023 7:29 PM
79	Not	11/26/2023 7:29 PM
80	Just the standard features (email/inbox management, word document suggestions).	11/26/2023 7:27 PM
81	Microsoft office is our preferred document software	11/26/2023 7:25 PM
82	I've looked at using them, but do not use them significantly or regularly. I've experimented asking questions and using them to summarise information but haven't found them useful enough at this stage to really get into it	11/26/2023 7:20 PM
83	Microsoft 365 for all of our applications.	11/26/2023 7:17 PM
84	quick answers to basic questions as well as rewording or summarising a document for review	11/26/2023 7:17 PM
85	so far I've only used it to summarise environmental court decisions. we also have a company one for the GW NRP that we can use to help with rules assessments.	11/26/2023 7:09 PM
86	I don't really know, I just know we have Microsoft 365.	11/26/2023 7:05 PM
87	MSOffice suite is our corporate-wide tool for mail, messages, documents, data, databases, presentations etc.	11/26/2023 7:03 PM

Attitudes Towards AI Among Aotearoa New Zealand Planners

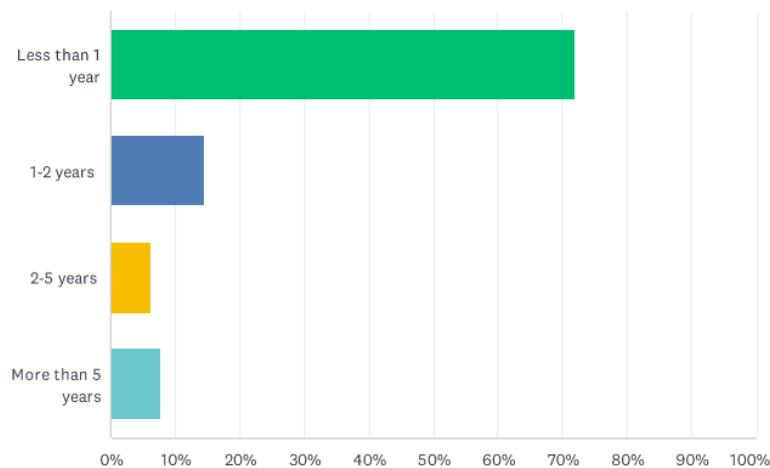
88	N/A	11/26/2023 6:59 PM
89	Quick information checks	11/26/2023 6:57 PM
90	Younger staff use them for grammar and para structure	11/26/2023 6:54 PM
91	Only a little to find information and to do some basic analysis.	11/26/2023 6:31 PM
92	No specific exposure to AI technology that I am aware of.	11/26/2023 6:22 PM
93	N/A	11/26/2023 6:18 PM
94	I use ChatGPT to help with drafting emails and occasionally other documents. Specifically, to help with tone and succinctness.	11/26/2023 7:08 AM
95	Preparing documents and responding to queries.	11/26/2023 1:59 AM
96	Analyse and summarise sections of planning documents.	11/25/2023 9:15 PM
97	AI is not to be used on work machines under organisation policy.	11/25/2023 8:08 PM
98	Sunrising documents which are important but not critical, providing alternative wording suggestions, formatting.	11/25/2023 5:59 AM
99	Sourcing information Carrying out day-to-day work	11/25/2023 4:54 AM
100	Writing	11/25/2023 12:33 AM
101	Cloud based storage and Microsoft Office products, some file sharing, Teams etc - pretty traditional use	11/24/2023 10:42 PM
102	Survey is dysfunctional; I stipulated 'none' above.	11/24/2023 8:39 PM
103	we have looked at another ai tool we may use	11/24/2023 8:08 PM
104	I answered nil. Not being used.	11/24/2023 6:26 PM
105	Microsoft office suite for day-to-day work on policy analysis, collaboration and report writing etc.	11/24/2023 10:08 AM
106	N/A	11/24/2023 7:45 AM
107	Not using	11/24/2023 6:56 AM
108	Word and spreadsheet mainly	11/24/2023 6:53 AM
109	I don't really use AI tools, unless the auto-complete prompts in Microsoft Outlook count as AI tools, in which case I use them very occasionally when writing emails, although prefer to use my own wording where possible to maintain a sense of authenticity in my communications	11/24/2023 6:15 AM
110	I use Microsoft 365 for 'regular' work, however over the past 6 months or so I have regularly used ChatGPT. I have used it to re-write emails in a professional tone, summarize submissions, summarize academic readings/articles, provide groupings of policies, ideas for policies approaches to planning problems etc.	11/24/2023 6:11 AM
111	Na	11/24/2023 6:04 AM
112	Proof-reading and re-phrasing	11/24/2023 6:04 AM
113	Policy interpretation and wording elevation.	11/24/2023 5:59 AM
114	Optimising and checking errors in scripts (macros) for Excel	11/24/2023 5:45 AM
115	We now extract data live to go into Arc GIS creating an instant dashboard and graphs/data exchange - this is for Ministry of Education so very useful tools for our work	11/24/2023 4:44 AM
116	N/A	11/24/2023 4:16 AM
117	General research, ideation.	11/24/2023 4:15 AM
118	We do not use AI	11/24/2023 4:03 AM
119	seek resolution in using of MS softwares such as formulas in excel	11/24/2023 3:53 AM
120	To write emails and reports.	11/24/2023 3:52 AM
121	Very occasionally use chat GPT to summarise objectives and policies but then adapt that summary. Also occasionally see what arguments it can form but generally this hasn't been	11/24/2023 3:44 AM

Attitudes Towards AI Among Aotearoa New Zealand Planners

	useful.	
122	To improve readability of a sentence To identify potential actions to address an issue or objective - helps with gap analysis with existing content To quickly cluster feedback or ideas into themes	11/24/2023 3:39 AM
123	Website content searches	11/24/2023 3:36 AM
124	Limited to Landscape design imaging	11/24/2023 3:33 AM
125	Research using ChatGPT-4 with DALL.E browsing and analysis	11/24/2023 3:33 AM
126	to tidy up writing	11/24/2023 3:26 AM
127	I don't use it personally, but it has been used to summarise large documents	11/24/2023 3:22 AM
128	I don't use any AI	11/24/2023 3:15 AM
129	N/A	11/24/2023 3:10 AM
130	Data management	11/24/2023 3:09 AM
131	I don't	11/24/2023 3:08 AM

Q12 How long have you and/or your organisation been using any of the AI tools or services you mentioned?

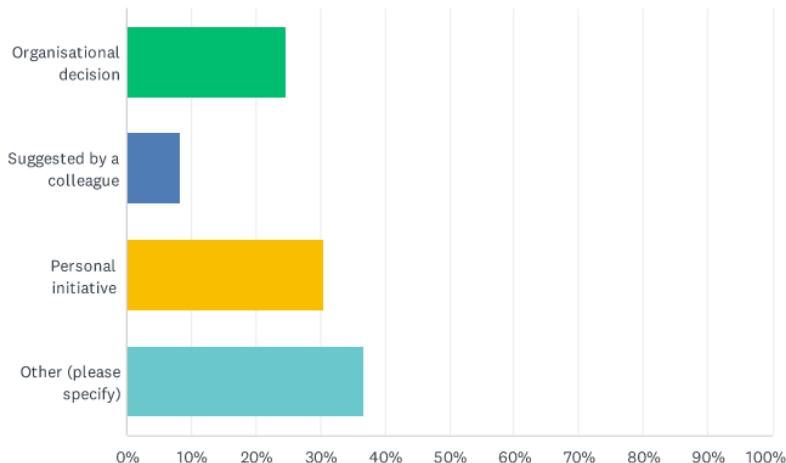
Answered: 131 Skipped: 21



ANSWER CHOICES	RESPONSES
Less than 1 year	71.76%
1-2 years	14.50%
2-5 years	6.11%
More than 5 years	7.63%
TOTAL	131

Q13 How were these AI tools or services introduced into your work?

Answered: 131 Skipped: 21



ANSWER CHOICES		RESPONSES	
Organisational decision		24.43%	32
Suggested by a colleague		8.40%	11
Personal initiative		30.53%	40
Other (please specify)		36.64%	48
TOTAL			131

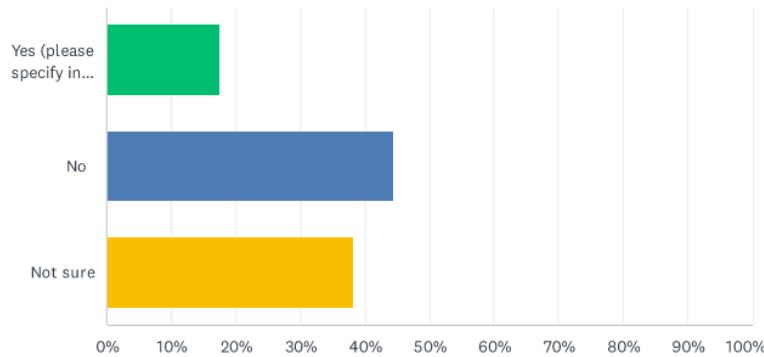
#	OTHER (PLEASE SPECIFY)	DATE
1	NA	12/8/2023 9:51 PM
2	NA	12/5/2023 1:43 AM
3	you need an N/A answer for those of us who do not use AI. However, I do know that some colleagues use AI to generate writing for reports.	12/3/2023 8:34 PM
4	Organisational decision for Microsoft; personal decision for ChatGPT	12/1/2023 2:08 AM
5	various, mainly individuals, now have organisational policy	11/29/2023 3:00 AM
6	none used	11/27/2023 8:08 PM
7	I have no idea to the answers above. I do not use AI but others may	11/27/2023 7:59 PM
8	Not aware of any	11/27/2023 3:25 AM
9	I do not work in planning department	11/27/2023 2:52 AM
10	a blend - some use by personal and colleague initiatives and others via our internal information services team	11/27/2023 1:33 AM
11	None are used as far as I'm aware	11/27/2023 1:26 AM
12	.	11/27/2023 12:55 AM
13	N/A	11/27/2023 12:45 AM

Attitudes Towards AI Among Aotearoa New Zealand Planners

14	NA	11/27/2023 12:35 AM
15	Have experimented with these but honestly found it was faster to do things under my current methods without a serious investment in time to upskill to a point where time-cost benefits were obvious.	11/26/2023 11:44 PM
16	N/A	11/26/2023 10:57 PM
17	No AI tools used. Not an option for Q 11, 12 and 13 and these are required questions	11/26/2023 10:03 PM
18	don't use AI	11/26/2023 9:47 PM
19	na - btw your prev question is faulty - I chose none	11/26/2023 9:29 PM
20	We have some AI tools available to council staff but nothing has been rolled out to staff apart from some general guidance on using it.	11/26/2023 8:39 PM
21	We don't	11/26/2023 8:35 PM
22	Comes with Microsoft suite by default, I think	11/26/2023 8:34 PM
23	There is an organisational policy now, people use their own AIs with personal subscriptions, whatever is available under the Microsoft fabric is installed for staff to use	11/26/2023 8:22 PM
24	N/A	11/26/2023 8:18 PM
25	I think some staff began using AI tools in their work, and once this became known rules were introduced to restrict this.	11/26/2023 8:13 PM
26	Personal initiative yes but set within organisational conversation around AI use and the limitations and risks around its use. Whilst AI is no doubt a future resource, my organisation needs to ensure that it is not used inappropriately.	11/26/2023 8:09 PM
27	not intro	11/26/2023 8:01 PM
28	We have not used them yet	11/26/2023 7:50 PM
29	none	11/26/2023 7:46 PM
30	Microsoft365 was organisational ChatGPT was personal	11/26/2023 7:39 PM
31	N/A	11/26/2023 7:37 PM
32	I don't know, the tool was available before I started.	11/26/2023 7:31 PM
33	Not introduced	11/26/2023 7:29 PM
34	automatic office 365	11/26/2023 7:27 PM
35	Companywide hold on AI technology until a policy is developed. This was to ensure that the protocols and messaging to clients on the use of AI technology is determined.	11/26/2023 6:22 PM
36	AI tools are currently prohibited at my workplace.	11/26/2023 6:18 PM
37	Survey is dysfunctional; I stipulated 'none' above.	11/24/2023 8:39 PM
38	I answered no to using AI tools.	11/24/2023 6:26 PM
39	N/A	11/24/2023 7:45 AM
40	Not using	11/24/2023 6:56 AM
41	They just appeared in some Microsoft Office products at some point in the past year or so	11/24/2023 6:15 AM
42	Na	11/24/2023 6:04 AM
43	N/A	11/24/2023 4:16 AM
44	We do not use AI, and the above two questions are irrelevant for me, as i said in question 11 that we do not use any AI tools	11/24/2023 4:03 AM
45	not sure	11/24/2023 3:36 AM
46	I don't currently use AI	11/24/2023 3:15 AM
47	N/A	11/24/2023 3:10 AM
48	the organization doesn't use them. I have used them in a private capacity	11/24/2023 3:08 AM

Q14 Are there any AI tools or services that are explicitly prohibited within your organisation?

Answered: 131 Skipped: 21



ANSWER CHOICES	RESPONSES
Yes (please specify in comment box below)	17.56% 23
No	44.27% 58
Not sure	38.17% 50
TOTAL	131

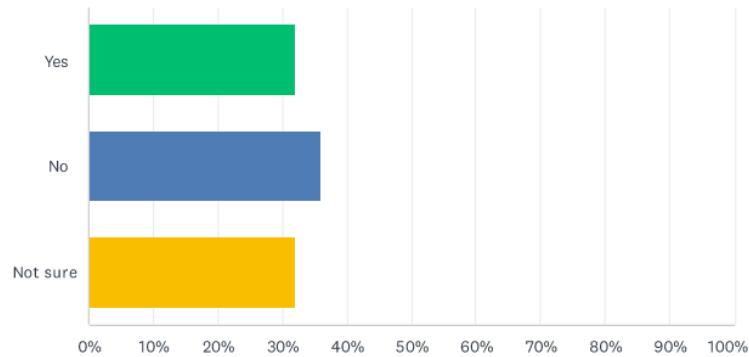
#	IF YES PLEASE SPECIFY;	DATE
1	Chat GPT	12/10/2023 8:43 PM
2	We have been recommended not to use AI until the organisation understands it properly.	12/10/2023 7:37 PM
3	ChatGPT - the company has formed their own version of this	12/5/2023 7:46 PM
4	Policy sets out use - mainly focused on ensuring customer privacy.	11/29/2023 7:10 PM
5	We have Generative AI organisational guidelines	11/29/2023 1:01 AM
6	.	11/28/2023 2:47 AM
7	Can't remember seeing the specific SOP but it is covered under our info policy anyway	11/28/2023 12:37 AM
8	We have a policy being developed to help provide direction on this.	11/27/2023 1:33 AM
9	Skynet.	11/26/2023 11:44 PM
10	Use of confidential material and work being development within the organisation into Chat GPT, Bard and other AI that can take that knowledge and use it elsewhere.	11/26/2023 11:03 PM
11	We do have tight IT controls and it would be difficult to use a new programme	11/26/2023 10:57 PM
12	ChatGPT for privacy reasons due to the lack of control of where the information shared with the platform ends up.	11/26/2023 10:53 PM
13	ChatGPT	11/26/2023 8:43 PM
14	Not that I am aware of, there is a warning not to enter personal details or confidential information, everything else is LGOIMable anyway	11/26/2023 8:23 PM
15	All of them, as I understand it.	11/26/2023 8:13 PM
16	all	11/26/2023 8:01 PM

Attitudes Towards AI Among Aotearoa New Zealand Planners

17	Chat GBT and other AI tools for security reasons.	11/26/2023 7:32 PM
18	Chat GPT in an open way without using an approved interface to act as a security filter	11/26/2023 7:21 PM
19	Chat GPT	11/26/2023 7:17 PM
20	I think so, I don't think we can use open source stuff? We would have to ask IT in case there are information privacy issues	11/26/2023 7:06 PM
21	Unaware of any clearly communicated 'prohibition' but otherwise, stance is one of caution and being steady. No known organisation-wide 'policy' on the use of AI tools/services (besides Office 365) in our work, but would likely be modelled on similar from local government sector representation groups.	11/26/2023 7:05 PM
22	All pending companywide protocols for its use and development.	11/26/2023 6:23 PM
23	Essentially everything	11/26/2023 6:19 PM
24	all AI	11/25/2023 8:09 PM
25	But we're old school and unlikely to embrace AI much more than we do now (which isn't much)	11/24/2023 10:43 PM
26	Survey is dysfunctional; I stipulated 'none' above.	11/24/2023 8:39 PM
27	anything that may present a security risk	11/24/2023 8:08 PM
28	I answered no to using AI tools.	11/24/2023 6:27 PM
29	Not prohibited but discouraged because of security issues	11/24/2023 6:54 AM
30	Don't think so	11/24/2023 6:15 AM
31	ChatGPT	11/24/2023 5:45 AM
32	We won't allow uploading of AEEs or any form of report that identifies a property or person.	11/24/2023 3:45 AM

Q15 Does your organisation have any specific policies regarding the use of AI tools or services?

Answered: 131 Skipped: 21

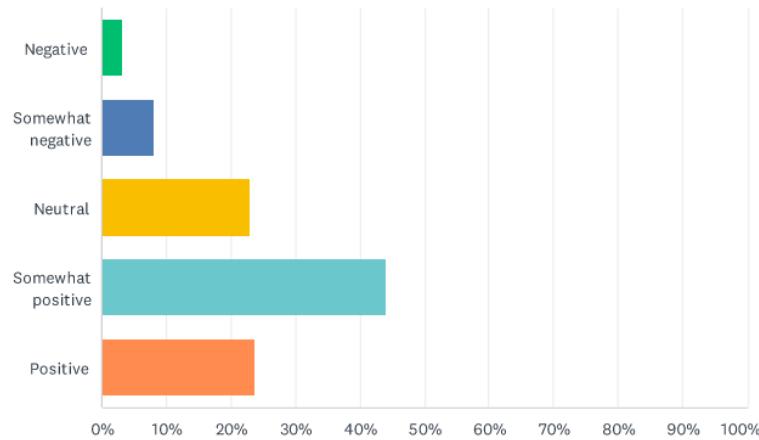


ANSWER CHOICES	RESPONSES	
Yes	32.06%	42
No	35.88%	47
Not sure	32.06%	42
TOTAL		131

Attitudes Towards AI Among Aotearoa New Zealand Planners

Q16 How do you personally view the potential of AI in the planning profession?

Answered: 123 Skipped: 29



ANSWER CHOICES	RESPONSES	
Negative	3.25%	4
Somewhat negative	8.13%	10
Neutral	22.76%	28
Somewhat positive	43.90%	54
Positive	23.58%	29
Total Respondents: 123		

Q17 Could you explain why you view the potential of AI in the planning profession in that way?

Answered: 123 Skipped: 29

#	RESPONSES	DATE
1	I can see many benefits in increased productivity allowing professionals to spend more time focusing on less mundane tasks. I do see there being a slight risk around quality or work and independent thinking of particularly new professionals with the reliance on AI.	12/17/2023 8:36 PM
2	The ability to minimise repetition in planning, sift through vast amounts of data and improve decision making	12/11/2023 9:57 PM
3	I think it could be great, but with guidance and awareness around its limitations.	12/10/2023 9:27 PM
4	AI does not give value to soft skills, emotional, mental, spiritual values of the way individual people live	12/10/2023 8:44 PM
5	Analytical tools have always been part of planning - but there is a need for competency and transparency	12/10/2023 8:12 PM
6	It will make our work more efficient and streamline the process further for those within the development industry.	12/10/2023 7:39 PM
7	Loss of jobs, but increase in productivity. Planning could become obsolete in next 5 years in terms of creating applications. Processing of applications time etc could reduce staff required. Increase in productivity could reduce the time spent per job, which could result in demand by applicants to reduce costs (it would be cheaper to create each application if parts were able to be processed by AI). Unless number of applications increase, the number of people working in the sector could be reduced. As these are hypotheticals and i have not enough knowledge, i have chosen a neutral stance. Some will benefit, some will not.	12/8/2023 9:58 PM
8	If used sensibly there are opportunities for efficiencies in process	12/6/2023 3:47 AM
9	Could reduce churn for common tasks	12/5/2023 1:45 AM
10	I have had Dragon Naturally Speaking since 2013. It saves me time, I can't type very well and it helps at any hearing or court appearance as you have thought it and heard it and can remember any key points more easily	12/4/2023 7:19 PM
11	Useful for speeding up data analysis and manual steps.	12/3/2023 10:41 PM
12	AI can eliminate a lot of repetitive and low value tasks to allow planners to make the most of their work time. More importantly it gives us the chance to do more than we could before.	12/3/2023 9:56 PM
13	I do not agree with using AI tools. Their input data sets are often unethically and illegally sourced - the authors of the work not having consented to their work being fed into a plagiarism machine. Additionally, while feeding in data sets based on planning writing might generate a particular writing style, the AI programs cannot be used for anything requiring factual information unless you input those facts yourself. Most are designed to output text/images that is similar to the input but different/unique. So for example if someone was training an AI tool on reports referencing case law, it wouldn't source accurate case law references in the output, but rather it would generate text in the same format as those references but containing made-up text.	12/3/2023 8:36 PM
14	I think we should be embracing technology to work smarter. However, care needs to be taken surrounding the context/circumstance for using it; nor should it replace one's own critical thinking or be used as a crutch	12/1/2023 2:26 AM
15	speeds up mundane jobs	11/30/2023 11:03 PM
16	Similar to legal profession has the potential to reduce planner time spent on tasks such as analysis of large volume of material thereby freeing up planner's time to work on bigger picture.	11/29/2023 7:13 PM
17	has the potential to address resourcing shortfalls, reduce time spent on mundane tasks and bring a shift in practice	11/29/2023 3:02 AM
18	Its a tool to support our work, it can do a lot of administration type of work, working with	11/29/2023 1:02 AM

Attitudes Towards AI Among Aotearoa New Zealand Planners

large amounts of data. If using it to support writing or thinking then all references should be checked carefully.

19	.	11/28/2023 2:48 AM
20	Potential for efficiencies in assessing things that have repeated patterns and generally anticipated outcomes. AI could take assessment x% of the way through and then a person can make the overall call from its reporting. People may be able to spend time planning for the future and thriving, rather than putting resource into things that are not significant.	11/28/2023 12:42 AM
21	AI can help with simple task such as suggesting words, spelling , etc but the nitty gritty has to be by the planner	11/27/2023 8:12 PM
22	I believe AI could be extremely useful but it depends on how it is used and what for. It should not be used for decision-making but would be a useful tool for analysis of information and writing of factual info reports	11/27/2023 8:01 PM
23	automating mundane tasks/features could free up time for more important matters that can shape policy and direction of the profession. At the same time, there is a risk that people may lose their jobs to AI	11/27/2023 7:30 PM
24	Profession needs judgement and innovation, not parroting previous practice.	11/27/2023 6:59 PM
25	Its inevitable, so there isn't much point feeling negative about it. There are huge implications for AI. It could replace 90% of what we currently do as planners on a day to day basis, however there are things that will still need to be done face to face by people which it can't replace, and its unlikely its going to immediately replace us all!	11/27/2023 3:53 AM
26	Part of planning is applying a cascading sets of laws, regulations, objectives and policies. I expect language based AI algorithms to be able to do this more effectively than a human in time, or at least do the grunt work. In addition I would expect that they would be able to give advice based on legislation and case law precedent. AI chatbots should be able to summarise and categorise submissions. they should also be able to interact with the public through phones and the internet that allows Council to receive, process and summarise the community concerns in a way we can't do today. I think the role of planners will change. I suspect the written skillset that is so important at the moment will become less so within a generation. Planners, will be able to more individually.	11/27/2023 3:33 AM
27	Potential for AI to expedite report writing and desktop analysis	11/27/2023 3:26 AM
28	Not sure	11/27/2023 2:53 AM
29	it's like having a graduate planner available 24-7 with almost endless capacity that can summarise a mountain of information in 10 seconds - but we still have to review their work to make sure of its quality and information basis - to ensure they haven't "hallucinated" anything!	11/27/2023 1:37 AM
30	I am unsure about it	11/27/2023 1:27 AM
31	I don't understand it, so am unclear how it can be used to benefit the profession or whether it will impact negatively on the profession	11/27/2023 12:57 AM
32	A lot of our work has consistent inputs eg consent applications. AI would reduce time preparing applications	11/27/2023 12:37 AM
33	Believe it has the potential to increase productivity but concerns of it being used to inform decision making.	11/26/2023 11:46 PM
34	I don't know enough about it.	11/26/2023 11:24 PM
35	Could be useful but opens up a can of worms too.	11/26/2023 11:21 PM
36	Yet to see impact	11/26/2023 11:18 PM
37	Opportunity to automate more routine processes. Improves proof reading and can supplement creativity.	11/26/2023 11:04 PM
38	Seems to have potential to make our work easier and faster, but like any tool we need to make sure we are aware of the uses and pitfalls, if they are not used correctly we will not get the right outcomes	11/26/2023 10:58 PM
39	Because there will be both positive and negative elements to it, as with all internet based tools.	11/26/2023 10:54 PM
40	It provides a means of reducing researching time to find information, meaning more time can be spent on actually thinking and planning work.	11/26/2023 10:43 PM

Attitudes Towards AI Among Aotearoa New Zealand Planners

41	It has the potential to significantly reduce waste - time can be spent on analysis rather than writing. Only somewhat positive, because there will no doubt be a tendency for people to use it to create more words and think less ...	11/26/2023 10:37 PM
42	As much of planning is report writing, and most organisations are using templates for their work. I see AI as a progression of this. Based on my experience I would estimate that at least 75% of most reports are based off templates and copy and paste from similar reports.	11/26/2023 10:10 PM
43	It would take a small amount of effort to have an AI trained on the RMA (and all other legislation), all NES/NPSs, active Plans, caselaw, best practice approaches, existing consents, council policies, open data (such as from data.govt.nz), etc. Such a tool could be applied nationally to write, review, and process applications for human review by qualified planners. A tool such as this can be a central source for applicants and councils, with fees applied to use it, and controlled from MfE. OpenAI / ChatGPT has the ability to make your own GPT and it would just take a few months to develop this. Developing this tool would revolutionise the industry, and effectively make a large portion of planners that have "trained on the job" and haven't studied the field need to look at other professions for work. So - it's scary, but inevitable.	11/26/2023 9:59 PM
44	I don't need AI writing reports for me, should be done by an actual person with planning skills.	11/26/2023 9:48 PM
45	to assist iwi and hapu drafting IMPs possibly with policy writing????	11/26/2023 9:30 PM
46	It could help improve efficiency. I'm still slightly cautious about the risk of relying on it too much when Planning should mostly be about thoughtful human analysis.	11/26/2023 9:18 PM
47	Super helpful tool and allows me to be more efficient.	11/26/2023 9:12 PM
48	Unsure of implications	11/26/2023 8:55 PM
49	I don't have enough information yet on how AI could be used in the planning profession. I can think of potential uses but I also believe that it should be used as a tool not to replace planners.	11/26/2023 8:50 PM
50	Can assist report writing, understanding plan provisions that apply to a proposal,.	11/26/2023 8:41 PM
51	Unsure of its capabilities and uses	11/26/2023 8:39 PM
52	If sense checked it can be a very helpful tool in writing reports and could improve the overall standard of writing in the profession.	11/26/2023 8:39 PM
53	Seems like a huge risk of compounding the problems we already have with bloated, unreadable reports, if they're easier to generate	11/26/2023 8:35 PM
54	Has potential to relieve planners of mundane tasks, can also assist with better data gathering and sharing process to improve decision making	11/26/2023 8:31 PM
55	helpful, "save reinventing the wheel"	11/26/2023 8:29 PM
56	I think if used correctly it has the potential to massively increase productivity. I am a project manager and from my perspective there is a huge amount of inefficiency in the system	11/26/2023 8:24 PM
57	I don't think it can replace judgement calls made by planners	11/26/2023 8:19 PM
58	I think it could assist in simplifying assessments in some circumstances, where a more proportionate approach could be taken, and in other cases where a thorough assessment is needed it could assist in planning/setting this up.	11/26/2023 8:16 PM
59	Being able to compile information and for research. Helping with day to day tasks.	11/26/2023 8:14 PM
60	Does not take the place of a real person and institutional knowledge, relationships or site visits. Am interested in how technology can assist.	11/26/2023 8:13 PM
61	AI will be a future resource/tool but it will unlikely replace currently tools/skillsets. I think it will be a supplementary tool to achieve efficiencies in producing work. Technical accuracy cannot be assured/guaranteed at the moment.	11/26/2023 8:13 PM
62	I think the benefit is mainly in consenting which is mainly based on adopted plans.	11/26/2023 8:11 PM
63	There could positives but there could also be issues, especially with how each property, application is so unique.	11/26/2023 7:54 PM
64	There may be potential for AI to simplify tasks and take workload off people's hands. Although I haven't researched enough to consider the positives and negatives.	11/26/2023 7:47 PM

Attitudes Towards AI Among Aotearoa New Zealand Planners

65	I don't know enough about it and its application to form a view at present.	11/26/2023 7:47 PM
66	In its current state, I don't believe it has the ability to balance the different technical inputs required. However, it does currently have the ability to summarise these matters into a concise manner.	11/26/2023 7:42 PM
67	It will change the way we work	11/26/2023 7:39 PM
68	Could be helpful and save time.	11/26/2023 7:39 PM
69	Could be a huge timesaver, particularly for Councils.	11/26/2023 7:35 PM
70	I see AI has the potential to assist with planning, however data security issues need to be resolved.	11/26/2023 7:33 PM
71	Will create considerable efficiencies in our profession for those to learn	11/26/2023 7:31 PM
72	Efficiency benefits.	11/26/2023 7:31 PM
73	Opportunity for efficiencies and consistency, can be unbiased. Also able to be manipulated and could have poor outcomes.	11/26/2023 7:29 PM
74	It can be a useful tool if utilized correctly	11/26/2023 7:26 PM
75	I think it could be a useful tool for helping with summarising information, writing, comparing data/options, analysing things, and probably other things I haven't thought of	11/26/2023 7:23 PM
76	it can be used for efficiency and mundane tasks, but not to replace humans ultimately making decisions	11/26/2023 7:22 PM
77	Could help with quality / efficiency.	11/26/2023 7:18 PM
78	i think it will depend on how its used and what guidelines become available to direct our use.	11/26/2023 7:11 PM
79	Presents opportunities, but use needs to be careful and aware of pitfalls/dangers of those tools. Opportunities for AI to do 'heavy lifting' on mundane, repetitive and/or data-intense tasks.	11/26/2023 7:09 PM
80	I think it could help us be more efficient in the straight forward/easy/administrative work, meaning we can focus our brain power on more interesting things. However, a lot of these straight forward/easy things are what we have, in the past, used to train new planners...I wonder how they'll learn the building blocks if we just get AI to do all that	11/26/2023 7:08 PM
81	The ability to cost save for currently manual tasks (summarising submissions) or perceived duplication (does consent application meet obs/pols from AEE)	11/26/2023 7:02 PM
82	Assessments are bland and lack finesse in their argument. Big words are used but no evidence is in the sentence to support it. Essentially the assessments come across as lazy and lacking in critical thought	11/26/2023 6:59 PM
83	Could go either way	11/26/2023 6:58 PM
84	Client and project confidentiality is essential and using external programs is risking in keeping data and information safe. There is a need to be sure that the information provided by the AI programs is accurate and real and that is not easy at this stage.	11/26/2023 6:34 PM
85	AI is seen as a useful tool to optimize time, achieve efficiencies and reduce costs. It needs to be managed to ensure that clients and decision-makers are made aware of what tasks it has been used for.	11/26/2023 6:27 PM
86	I can see it drastically reducing the amount of time spent on certain tasks, such as checking plans, vetting applications, researching title instruments, and summarising policy frameworks, submissions etc. I see there being potential to train AI to proof read consent decisions and flag potential weaknesses or flaws.	11/26/2023 7:12 AM
87	Potential to improve quality of work, however could mask the true competency of a planner.	11/26/2023 2:02 AM
88	Consent-processing planners already take a tick-box approach to processing applications and are ripe to be replaced by AI. This would lead to greater speed and consistency. Future legislation, NPSs, plans etc should be aligned with consistent AI interpretation to inform consent applications. This could remove much of the drudgery from application preparation and enable more focus on actual issues.	11/25/2023 9:23 PM
89	AI will undertake some tasks will alleviate the limited number of planners being trained. However the quality of the answers are variable and need refinement. We as a profession need to retain the role of humans in the critical decision making roles.	11/25/2023 8:13 PM

Attitudes Towards AI Among Aotearoa New Zealand Planners

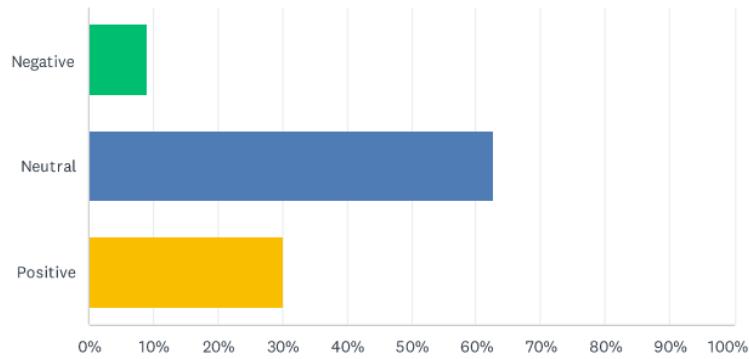
90	It can reduce the repetitive nature of some consenting work (such as listing / formatting obs/pols/assessment criteria). It can suggest alternative wording for text/policies/objectives as 'start points' / for review rather than always writing from scratch. Very helpful to summarise documentation where a general overview rather than fine grained analysis is required.	11/25/2023 6:03 AM
91	Could remove bias May quicken report writing May standardise report writing	11/25/2023 4:56 AM
92	AI is just another technology that can be used to make decisions	11/25/2023 12:35 AM
93	Concern that it may reduce the core analysis and professional judgement competencies of planners	11/24/2023 10:45 PM
94	Untested	11/24/2023 8:41 PM
95	It can be used as a tool like any other tool out there. its not a solution or game changer	11/24/2023 8:10 PM
96	Planning is essentially a decision-based profession and a comprehensive Planners Report is a collection of small decisions slowly rising to create an outcome. There are multiple factors and observations which combine throughout that process using human intelligence.	11/24/2023 6:32 PM
97	Huge potential to improve the efficiency and effectiveness of processes in the planning system, better quality information (collection, management and application of), and subsequently better planning outcomes.	11/24/2023 10:10 AM
98	Opportunity to reduce time spent on report writing and administrative functions, improving staff efficiency, engagement (through freeing up planners to do actual planning work) and reducing cost to applicants.	11/24/2023 7:49 AM
99	Helpful with provisions	11/24/2023 6:58 AM
100	Could be good for a conditions library for consenting, correspondence management	11/24/2023 6:56 AM
101	It reduces time spent on administrative tasks (like summarizing, formatting or standard emails) and more time is spent on 'people' related aspects of the role like engagement and collaboration. It also presents options and ideas that you may not have thought of previously, for example you could ask ChatGPT what are the possible options for managing urban wastewater? it would provide a plethora of options which can then be scrutinized by a planner as per standard planning practice.	11/24/2023 6:22 AM
102	They could help complete repetitive tasks and allow planners to focus on aspects where human-involvement and critical thinking can make the greatest difference. However, there are definitely risks around accuracy and the potential for AI tools to overlook or be unable to adequately compute important matters and considerations	11/24/2023 6:17 AM
103	A lot of efficiencies to be gained, mostly in what are traditionally very manual processes. Allows planners to spend time focusing on technical expertise.	11/24/2023 6:06 AM
104	I hope we will still have a job	11/24/2023 6:05 AM
105	Given that massive amounts of information needed to be considered during consenting phase, the use of AI will present a highly summarised content to shorten the duration of assessment and assist the planner to make the right decision by enlightening the planner with potential neglected issues.	11/24/2023 6:04 AM
106	It could help to seriously minimise the amount of report writing particularly for repetitive work	11/24/2023 5:47 AM
107	Faster data	11/24/2023 4:45 AM
108	Heaps of potential to codify and automate generic decision-making on straightforward stuff (height/boundary breaches etc) to remove subjectivity and free up the professional to focus on more important judgement calls.	11/24/2023 4:18 AM
109	I think there is enormous opportunity to take a lot of the mundane work out of planning and enable planners to focus on outcomes as workloads reduce.	11/24/2023 4:18 AM
110	The AI has been around for a while, and many scientist are using it to compute complex mathematical information, so from that point is nothing new. What is new, is the media scaremongering and confusing view of the meaning of AI as being able to "replace people", which i believe this questionnaire is insinuating. I cannot see how the AI can improve the planning profession	11/24/2023 4:15 AM
111	it can resolve many administrative matters such as sorting of submissions, summary submissions, category and listing submissions to assist reporting and hearing processes. This can save time for Planners to work on actual Planning matters.	11/24/2023 3:56 AM

Attitudes Towards AI Among Aotearoa New Zealand Planners

112	Time efficiency.	11/24/2023 3:55 AM
113	AI can be used to do a lot of consent processing. This frees up planners to do more higher value planning work.	11/24/2023 3:47 AM
114	To help explain things in plainer english than we typically use	11/24/2023 3:40 AM
115	not sure of its value, how it could be used - lack of knowledge	11/24/2023 3:37 AM
116	My limited exposure to AI indicates that there is currently limited use for it, or that it is not superior to the output of planners	11/24/2023 3:36 AM
117	Improve efficiency of investigations	11/24/2023 3:35 AM
118	Can be a useful tool for reducing time taken to wordsmith but could cause issues if relied on to do work beyond its capability.	11/24/2023 3:29 AM
119	Ultimately it will take away jobs, particularly graduate type work, so graduates will lose training experience.	11/24/2023 3:23 AM
120	I think there are some benefits, for example faster analysis of complex and/or long documents. However I am wary of the biases present in this technology and the uncertainty around how data is collected and used through AI.	11/24/2023 3:17 AM
121	Ai has the potential to be a great tool. It also runs the risk of planners losing touch with the role and reduces the ability of discretion based on the human factors involved if planners don't gain the experience required to make decisions.	11/24/2023 3:12 AM
122	I don't know enough about AI and the potential it could play in the planning space	11/24/2023 3:11 AM
123	Can aggregate data in a bespoke way	11/24/2023 3:11 AM

Q18 How do you perceive your organisation's attitude towards the adoption of AI in planning?

Answered: 123 Skipped: 29



ANSWER CHOICES	RESPONSES
Negative	8.94% 11
Neutral	62.60% 77
Positive	30.08% 37
Total Respondents: 123	

Q19 If your organisation does not currently use AI tools or services, what do you consider are the main reasons for this?

Answered: 123 Skipped: 29

#	RESPONSES	DATE
1	It is not widely used across my team, primarily due to costs of the more useful AI as well as limited time to train in this skillset.	12/17/2023 8:36 PM
2	Lack of understanding and where to employ them	12/11/2023 9:57 PM
3	Lack of understanding.	12/10/2023 9:27 PM
4	AI appears far more dangerous than the benefits that would be gained.	12/10/2023 8:44 PM
5	it does	12/10/2023 8:12 PM
6	They are concerned about the privacy of AI tools and the loss of original thinking.	12/10/2023 7:39 PM
7	Lack of knowledge & age/ethos of management	12/8/2023 9:58 PM
8	It is new and there are risks to be worked through and a company policy position on AI use to be established first.	12/6/2023 3:47 AM
9	It may - but I don't.	12/5/2023 1:45 AM
10	Younger generation just use ChatGPT and they don't really know the answer and can't explain it fully if questioned as it is not THEIR answer.	12/4/2023 7:19 PM
11	still exploring uses	12/3/2023 10:41 PM
12	awaiting roll out of M365's copilot	12/3/2023 9:56 PM
13	Don't know. I hope they prohibit the use of AI tools as they are plagiarising and unreliable.	12/3/2023 8:36 PM
14	Haven't been here long enough to appreciate that yet; but innovation is an organisational value	12/1/2023 2:26 AM
15	haven't got around to it and its new	11/30/2023 11:03 PM
16	n/a	11/29/2023 7:13 PM
17	n/a	11/29/2023 3:02 AM
18	NA	11/29/2023 1:02 AM
19	Commerical sensitivity	11/28/2023 2:48 AM
20	Perhaps no resource / time to advise us on it from the IT people who are busy keeping BAU running. Probably wariness of its abilities, and its confidentiality as our client info and privacy is very important. Possibly lack of ability in the systems available or the people using them, sometimes I can't even get our meeting rooms running properly let alone AI!	11/28/2023 12:42 AM
21	lack of knowledge	11/27/2023 8:12 PM
22	no idea	11/27/2023 8:01 PM
23	security risks	11/27/2023 7:30 PM
24	Probably cost constraints	11/27/2023 6:59 PM
25	Our organization hasn't banned AI tools, however, has urged extreme caution when using AI tools for work and we are not allowed to share any commercially sensitive information with AI. Our company does not have any memberships that I am aware of, which could potentially remove concerns about training public AI tools. We have been encouraged us to be familiar with AI tech, but have not been given any training or allocated work time to do so, so this is all done on our own accord (if at all). There are very varied understandings of the AI tools, their applications and implications for our work.	11/27/2023 3:53 AM
26	Ignorance	11/27/2023 3:33 AM
27	Concerns around privacy and potential for misuse	11/27/2023 3:26 AM

Attitudes Towards AI Among Aotearoa New Zealand Planners

28	Awareness and education	11/27/2023 2:53 AM
29	in catch up mode. the pace of change is outstripping our adoption speed	11/27/2023 1:37 AM
30	Not currently used	11/27/2023 1:27 AM
31	Lack of understanding of what is available, unclear on moral implications, unclear on how to use/what uses	11/27/2023 12:57 AM
32	No one has taken the lead on it yet.	11/27/2023 12:37 AM
33	Lack of specific planning related current training available.	11/26/2023 11:46 PM
34	?	11/26/2023 11:24 PM
35	Concerns re judicial review	11/26/2023 11:21 PM
36	Large organisation, which requires significant processes to be followed for implementation of any new tools etc.	11/26/2023 11:18 PM
37	They are not promoted, but are optional tools for us.	11/26/2023 11:04 PM
38	Tight IT controls, and lack of time to develop uses	11/26/2023 10:58 PM
39	We do, in a limited way through, as the tools are still being developed.	11/26/2023 10:54 PM
40	My organisation uses AI tools	11/26/2023 10:43 PM
41	n/a	11/26/2023 10:37 PM
42	No direction from management	11/26/2023 10:10 PM
43	Tech literacy / cost.	11/26/2023 9:59 PM
44	As above	11/26/2023 9:48 PM
45	too busy doing flip flops on policy	11/26/2023 9:30 PM
46	N/A	11/26/2023 9:18 PM
47	Unsure.	11/26/2023 9:12 PM
48	Unsure of organisation position	11/26/2023 8:55 PM
49	They are working on it.	11/26/2023 8:50 PM
50	Tools are currently being assessed for planning purposes.	11/26/2023 8:41 PM
51	Planning is very small portion of business	11/26/2023 8:39 PM
52	N/A	11/26/2023 8:39 PM
53	Lack of any business reason to adopt them	11/26/2023 8:35 PM
54	n/a	11/26/2023 8:31 PM
55	not up to speed with it!	11/26/2023 8:29 PM
56	N/A	11/26/2023 8:24 PM
57	uncertainty	11/26/2023 8:19 PM
58	I think there is a perceived high-risk of using AI tools from a security perspective as well as judicially.	11/26/2023 8:16 PM
59	Confidentiality of information	11/26/2023 8:14 PM
60	Lack of reliability, apprehensive, potential risk and liability when used incorrectly	11/26/2023 8:13 PM
61	My organisation does no use AI in a big way at the moment. I think this reflects risk and caution at the moment but acknowledgement that it is likely to be an increasingly utilised tool. Policies and parameters around AI use will need to be set at the organisational levels.	11/26/2023 8:13 PM
62	N/A	11/26/2023 8:11 PM
63	Have not had to investigate it as we have not needed to use it yet.	11/26/2023 7:54 PM
64	Unsure	11/26/2023 7:47 PM
65	It does use AI tools and services, acknowledging the potential for it to revolutionise the way	11/26/2023 7:47 PM

Attitudes Towards AI Among Aotearoa New Zealand Planners

we work by automating tasks, enhancing productivity, and improving customer engagement through language processing capabilities. However, it also acknowledges their use also comes with ethical and legal responsibilities.

66	N/A	11/26/2023 7:42 PM
67	Lack of training and awareness of how it can be used.	11/26/2023 7:39 PM
68	Lots of people have not tried it or are unsure about it.	11/26/2023 7:39 PM
69	N/A.	11/26/2023 7:35 PM
70	security of information	11/26/2023 7:33 PM
71	We do	11/26/2023 7:31 PM
72	AI tools so far are not sufficiently calibrated for Council planning functions. Cost benefit is not there yet.	11/26/2023 7:31 PM
73	Lack of knowledge and time to implement	11/26/2023 7:29 PM
74	The uncertainty and newness of it	11/26/2023 7:26 PM
75	We don't use tools or services as an organisation. It is up to the individual. Although I believe people are looking at it at an organisational level	11/26/2023 7:23 PM
76	NA	11/26/2023 7:22 PM
77	Cybersecurity	11/26/2023 7:18 PM
78	i think widely we haven't started using them as a business but i think they are in the process of developing a business specific AI platform for use.	11/26/2023 7:11 PM
79	Caution and very limited support team capacity to open doors across organisation. IT team currently have other pressing priorities.	11/26/2023 7:09 PM
80	We do. Not so much in the planning space, but we have a working group to figure out what AI means for planning (and other disciplines where it is less obvious what AI can be used for)	11/26/2023 7:08 PM
81	Lack of personal initiative	11/26/2023 7:02 PM
82	skepticism as to lack of thought and critical analysis by the author	11/26/2023 6:59 PM
83	Unaware of how they could be used for positive	11/26/2023 6:58 PM
84	Many people are not using it yet as they are concerned about the risks and don't have enough knowledge to be comfortable with the various programs.	11/26/2023 6:34 PM
85	Consistent messaging and protocols need to be developed to manage the use of AI technology.	11/26/2023 6:27 PM
86	There's too much variety in the work the organisation does as a whole and therefore the adoption of AI and how it's utilised will be left to individuals or teams to work out for themselves.	11/26/2023 7:12 AM
87	Lack time and resources to carefully investigate whether AI tools will improve productivity and services.	11/26/2023 2:02 AM
88	We currently use AI.	11/25/2023 9:23 PM
89	Risk of information becoming public and misuse. AI needs more regulation.	11/25/2023 8:13 PM
90	n/a	11/25/2023 6:03 AM
91	Need to carry out system wide upgrade Planner preferring to write reports	11/25/2023 4:56 AM
92	My org does use AI tools and services	11/25/2023 12:35 AM
93	None of us in our organisation are digital natives hahaha	11/24/2023 10:45 PM
94	Post Settlementmet Iwi has enough challenges without the time and space to consider A1 as an imperative.	11/24/2023 8:41 PM
95	uncertainty	11/24/2023 8:10 PM
96	As per qn 17. Nuance is understood and used effectively by humans.	11/24/2023 6:32 PM
97	Cost. Resistance to disruptive change.	11/24/2023 10:10 AM

Attitudes Towards AI Among Aotearoa New Zealand Planners

98	Large organisation, takes a while to adopt new technology. Can be easier/less risky to see how others use it rather than being first off the block.	11/24/2023 7:49 AM
99	No time to test	11/24/2023 6:58 AM
100	Security uncertainties	11/24/2023 6:56 AM
101	Uncertainty as to what it does and what impact it could have.	11/24/2023 6:22 AM
102	Not sure, probably the risks and liabilities if something goes wrong	11/24/2023 6:17 AM
103	Barriers to access	11/24/2023 6:06 AM
104	lack of openness to change	11/24/2023 6:05 AM
105	The lack of popularisation and application of AI technology/platform	11/24/2023 6:04 AM
106	Both a lack of understanding on how to use it, as well as a fear of IP/intel being leaked due to using AI	11/24/2023 5:47 AM
107	N/A	11/24/2023 4:45 AM
108	n/a	11/24/2023 4:18 AM
109	Fear and mistrust	11/24/2023 4:18 AM
110	No need for it. The planning and urban design are to an artistic professions, where human needs and individuality is celebrated	11/24/2023 4:15 AM
111	n/a	11/24/2023 3:56 AM
112	Reluctant to adapt to the new. The unknown future. Uncertainty of AI taking employments.	11/24/2023 3:55 AM
113	the only reason we haven't adopted AI more fully is because we haven't had time to fully understand the implications of the tools from a legal and privacy perspective and also to fully understand the best way for us to use them.	11/24/2023 3:47 AM
114	N/A	11/24/2023 3:40 AM
115	not sure	11/24/2023 3:37 AM
116	Its still exploring the utility of AI for our services and work	11/24/2023 3:36 AM
117	Not applicable	11/24/2023 3:35 AM
118	Not seen as a priority as yet	11/24/2023 3:29 AM
119	n/a	11/24/2023 3:23 AM
120	Not sure	11/24/2023 3:17 AM
121	The directors are "old school". they look at AI with a mistrust. I think this view will change with time as AI becomes more normalized and a newer generation or professionals become more involved with the organization.	11/24/2023 3:12 AM
122	The time it takes to implement new systems	11/24/2023 3:11 AM
123	NA	11/24/2023 3:11 AM

Q20 What are the main challenges or concerns for you in adopting AI tools or services in your professional role?

Answered: 116 Skipped: 36

#	RESPONSES	DATE
1	The most helpful AI that I percieve would be of benefits to my role are either inaccessible to small companies, costly and require significant time to dedicate to learning/training. I also am yet to trust the outputs of AI so sometimes it is easier for me to complete things myself.	12/17/2023 8:38 PM
2	The confidentiality of the data being used, lack of critical decision making and understanding of the information	12/11/2023 9:59 PM
3	needing to understand its use and application more fully.	12/10/2023 9:28 PM
4	AI does not have teh human touch that is crucial to planning	12/10/2023 8:45 PM
5	lack of knowledge, lack of transparency, lack of professional responsibility	12/10/2023 8:12 PM
6	N/A	12/10/2023 7:39 PM
7	Loss of jobs	12/8/2023 9:58 PM
8	Reliability in AI tools	12/6/2023 3:48 AM
9	Use could lead to overreliance of outputs on decision making. Need to ensure a robust review process is in place (which reduces value of use)	12/5/2023 1:47 AM
10	None been using it since 2013	12/4/2023 7:22 PM
11	Data privacy	12/3/2023 10:42 PM
12	We lack good data architectures in planning so it is hard to point the AI to the information you wish it to most rely on - this leaves its value limited to generalised tasks rather than being a powerful planning-specific tool. So I'm mindful its drawing on everybody's content, not just planners content so this limits its effectiveness for specialised planning work. Concerns on its use include trust, security, privacy, transparency, professional obligations. It is my professional reputation on the line if I don't 100% check its outputs but its getting to the point that it is impossible to check it properly.	12/3/2023 10:04 PM
13	Ethics - as stated before, it is unethical to use these tools as they use content as data sets without getting the author's/creator's consent. And accuracy, as most are designed to output text/images that are similar but different to the input. AI tools/services do not "learn", they do not "understand" the data sets. The designers have written programs to pick up patterns and output similar patterns. There is no understanding anywhere of the content of the input or output. It is incorrect to refer to this as "artificial intelligence" or "machine learning". There is no intelligence or learning or sentience in these programs, and those names give a false impression that the content is understood and the outputs can be trusted.	12/3/2023 8:41 PM
14	acceptance; breaking norms and introducing new ways of working	12/1/2023 2:26 AM
15	job losses. It will take over, you'll have AI-generated AEEs that will be reviewed by one person and all planners beneath that used to write these reports will be laid off, as they are not needed anymore	11/30/2023 11:05 PM
16	Customer privacy	11/29/2023 7:13 PM
17	data security, accuracy, ensuring staff understand the limitations and risks	11/29/2023 3:03 AM
18	The pace of technology growth and change being able to understand its boundaries/limitations. I'm sure some would be concerned regarding job replacement	11/29/2023 1:04 AM
19	Client privacy and confidentiality of their information. Chances of AI coming to incorrect conclusions from its assessment. Loss of human connection / empathy in the process.	11/28/2023 12:45 AM
20	That people will think this is the way to go, AI does not have human emotion	11/27/2023 8:16 PM
21	AI tendency to hallucinate results. Potential public perceptions in utilising AI generated content. keeping up with speed of change in this area.	11/27/2023 8:16 PM

Attitudes Towards AI Among Aotearoa New Zealand Planners

22	That is it used for decision making. That it could make planners lazy in analysing information pertinent to an issue	11/27/2023 8:01 PM
23	there are huge gaps in understanding the implications more fully - the security implications, cost for people/jobs, training required	11/27/2023 7:31 PM
24	Lack of time to assess options available	11/27/2023 7:01 PM
25	The main thing is the time it will take to upskill. I can see it taking a bit of training of each individual to get to the point where its more efficient to write a prompt for an AI tool than to just do something yourself. It's not convenient or common (as far as I'm aware) within our workplace. I think the main concern is that some people in our industry might get a bit left behind if they don't stay informed about AI and its potential uses. The other main challenge is that we can't share any confidential information with AI at present, so there is limited functionality as to what it can do for me at present. Useful up to a point as a research tool, but we only have the free version so that means it's out of date in terms of policy etc.	11/27/2023 4:03 AM
26	management, options, ignorance, planning specific tools, nz specific options.	11/27/2023 3:34 AM
27	Knowledge of best tools and how to use them	11/27/2023 3:26 AM
28	creating interest within employers	11/27/2023 2:54 AM
29	Uncertainty	11/27/2023 1:28 AM
30	That it will result in work that is deceitful and dishonest, will result in the human element of our work being replaced	11/27/2023 12:58 AM
31	Planning still requires qualitative assessment, and a human element eg relationship building which AI can't do	11/27/2023 12:39 AM
32	May lead to 'generic' reporting that is obvious to the reader and decision makers and create concerns over the quality of the advice and/or assessment of issues.	11/26/2023 11:48 PM
33	Losing the 'art of the town and city planner'	11/26/2023 11:29 PM
34	No concerns. I don't know how AI could do part of a planning job though.	11/26/2023 11:26 PM
35	Everything is OIA able in central government. So caution advised.	11/26/2023 11:23 PM
36	AI making things up and including errors, bringing intrinsic biases into assessment, competing AI programmes, over-reliance of AI tools for local planning.	11/26/2023 11:07 PM
37	Lack of training - potential for poor outcomes if the tools are not used correctly	11/26/2023 10:59 PM
38	Setting up some parameters around use and some 'guardrails' to try and ensure the tools prove valuable and the downsides mitigated.	11/26/2023 10:55 PM
39	Becoming too reliant on using AI without enough human oversight and sense checking could lead to poor planning and decisions	11/26/2023 10:45 PM
40	The speed at which the technology is changing, and the inability of the resource management system / local government to keep up - particularly in relation to data and systems.	11/26/2023 10:39 PM
41	People are putting their signature on something as their work that they do not necessarily understand.	11/26/2023 10:11 PM
42	At some stage it'll be better than me.	11/26/2023 10:00 PM
43	Don't trust it.	11/26/2023 9:48 PM
44	inauthentic content, misuse of IP, misuse of matauranga to justify things	11/26/2023 9:31 PM
45	Putting sensitive information on the internet. The risk of missing something or not having a complete of a Planning analysis.	11/26/2023 9:19 PM
46	Ensuring that planners use AI to support their work, not replace it!	11/26/2023 9:13 PM
47	Making sure info is relevant	11/26/2023 8:56 PM
48	That it would replace people's job instead of being used to facilitate processes.	11/26/2023 8:51 PM
49	AI makes things up. Caution required.	11/26/2023 8:42 PM
50	Knowledge of, need to research how to use and their benefits, then convincing managers that tools are worth paying for	11/26/2023 8:42 PM

Attitudes Towards AI Among Aotearoa New Zealand Planners

51	That it isn't sense checked and people take what is produced as fact because it's written down.	11/26/2023 8:40 PM
52	None, they seem to have extremely limited use which makes sense given they seem to have extremely limited utility	11/26/2023 8:36 PM
53	AI taking the place of real advice. It is not possible for AI to come to grips with many contexts. However I think people are smart enough generally to recognise the limitations.	11/26/2023 8:33 PM
54	unsure if it is acceptable	11/26/2023 8:32 PM
55	Understanding how to get solid information out of it, making sure good process is in place, everything is backed up and referenced etc. THis is a rubbish in rubbish out tool and I predict utter mayhem for the first 10 years as people launch into using it without proper training, no understanding of best practice	11/26/2023 8:27 PM
56	Lack of robust assessment	11/26/2023 8:19 PM
57	I think the main challenge is keeping up with the change and understanding how things work, both from a risk perspective but also how we can benefit from it.	11/26/2023 8:17 PM
58	Nothing as long as though things are still checked for accuracy.	11/26/2023 8:15 PM
59	Lack of accuracy and reliability. Job loss, or aspects/parts of job lost	11/26/2023 8:15 PM
60	Misuse and over-reliance on AI in the profession.	11/26/2023 8:14 PM
61	not sure yet as I haven't seen its big impact on my role yet.	11/26/2023 8:13 PM
62	Each application is so unique it is difficult to think that an algorithm could be applied in the planning world.	11/26/2023 7:56 PM
63	Unsure, I'm not very familiar with AI	11/26/2023 7:49 PM
64	Education about their purpose, potential and use.	11/26/2023 7:48 PM
65	Not advanced enough to balance assessments.	11/26/2023 7:42 PM
66	cost, too many tools available, lack of customisability	11/26/2023 7:40 PM
67	Knowledge of how to use it and safety of use.	11/26/2023 7:39 PM
68	Understanding how data is kept secure, what programmes are available and how they are used for planning purposes.	11/26/2023 7:35 PM
69	Unreliability of AI decision making.	11/26/2023 7:34 PM
70	Education on AI skills and then finding use cases for AI	11/26/2023 7:32 PM
71	To what degree it should be used and how to use it productively	11/26/2023 7:30 PM
72	Privacy and data collection	11/26/2023 7:27 PM
73	Data privacy. People using it as a short cut and not thinking things through properly themselves. A main challenge would be knowing what it can do and people learning to use it effectively.	11/26/2023 7:26 PM
74	not applying human rigour to it and accepting the outcome without thorough review and consideration	11/26/2023 7:23 PM
75	Cybersecurity, training.	11/26/2023 7:19 PM
76	making sure the information we share with the tools are not sensitive or private.	11/26/2023 7:12 PM
77	Knowing what I can use it for (and stay compliant with company policy); how new/junior/graduate planners will learn the building blocks for planning if we get AI to do all the basic stuff	11/26/2023 7:11 PM
78	Misuse and data mining/misinformation.	11/26/2023 7:10 PM
79	Training	11/26/2023 7:02 PM
80	Lack of critical thought and analysis by the author	11/26/2023 7:00 PM
81	Too much reliance on the information generated without checking sources etc.	11/26/2023 6:58 PM
82	Data and information security. Risk of inaccurate information provision.	11/26/2023 6:36 PM
83	Transparency around its use and maintaining professional integrity.	11/26/2023 6:29 PM

Attitudes Towards AI Among Aotearoa New Zealand Planners

84	That politicians, without a full understanding of the role of planners, see it as a viable replacement for the work we do.	11/26/2023 7:16 AM
85	We're not yet sure how to get the best out of AI.	11/25/2023 9:25 PM
86	how we stay ahead of the change and learn to use AI as a tool to enable us to deliver more quickly and lift ourselves out of the detail and up to the big picture. We need to retain the ability to audit the products produced by AI.	11/25/2023 8:20 PM
87	Accuracy. Having underlying data referenced / source identifiable. Fact checking.	11/25/2023 6:06 AM
88	Setting up the tools to achieve this Removing planner biases	11/25/2023 4:57 AM
89	I'm not aware of anything obvious. Most are very easy to adopt.	11/25/2023 12:39 AM
90	Technological knowledge about AI is a challenge	11/24/2023 10:51 PM
91	1. User integrity 2.sufficient user knolwedge / experience for safe contextual application of AI	11/24/2023 8:43 PM
92	security	11/24/2023 8:10 PM
93	Possibly limited mechanisms for quality control or oversight by a human at some point in the use of AI (eg, is a decision reached by AI 'rational and appropriate').	11/24/2023 10:12 AM
94	Lack of expertise/knowledge/confidence in the technology due to it being relatively new and 'untested' in planning. Lots of IT hoops to jump through.	11/24/2023 7:55 AM
95	Missing important information and removing human interpretation for complex matters	11/24/2023 6:59 AM
96	Time to learn - like most things we never use technology to optimum level	11/24/2023 6:57 AM
97	People need to know when it is being used within a piece of work (like a disclaimer), utilizing AI to its full potential, ensuring it does not take away from engaging the public in planning processes, security of information, AI using data that has existing biases.	11/24/2023 6:33 AM
98	That AI tools may result in outputs that are not up to the standard that would be expected of a human. Even more concerning is the possibility that AI tools produce outputs which are superficially up to the expected standard but have failed to adequately complete a task to the standard that a human could	11/24/2023 6:19 AM
99	Need to have self-judgment to recognize the truthfulness of the answers provided by the AI	11/24/2023 6:07 AM
100	Privacy and confidentiality	11/24/2023 6:06 AM
101	concerned that we are training up a technology that will put us out of work	11/24/2023 6:06 AM
102	Main challenge is knowledge on how to use it effectively	11/24/2023 5:47 AM
103	No concerns at present as it's emergent tech and therefore the issues are yet to present themselves to us.	11/24/2023 4:20 AM
104	Accuracy of information, overreliance on technology leading to skill loss.	11/24/2023 4:19 AM
105	There are none	11/24/2023 4:16 AM
106	unknown what is available. Budget. Privacy concerns re leaking of information.	11/24/2023 3:59 AM
107	Certifying the information provided is correct. Do not provide sensitive information.	11/24/2023 3:59 AM
108	Privacy and confidentiality and well as intellectual property.	11/24/2023 3:48 AM
109	Important to take the answers or results at face value. It still needs to be moulded manually to reflect a statutory context and/or local context.	11/24/2023 3:41 AM
110	Making it work appropriately for NZ Planning - still very clunky or inappropriate output to date	11/24/2023 3:37 AM
111	Ensuring effective queries and treating findings with a measure of caution	11/24/2023 3:37 AM
112	It is a bit rubbish, end up spending more time fixing the AI mistakes than just doing it yourself	11/24/2023 3:24 AM
113	I am wary of the biases present in this technology and the uncertainty around how data is collected and used through AI.	11/24/2023 3:17 AM
114	I feel like I would lose a lot of personal and professional development if I became reliant on AI	11/24/2023 3:13 AM

Attitudes Towards AI Among Aotearoa New Zealand Planners

115	That planners will become redundant	11/24/2023 3:12 AM
116	wider uptake	11/24/2023 3:11 AM

Q21 What type of support or resources would you need to increase your use of AI tools in your work?

Answered: 111 Skipped: 41

#	RESPONSES	DATE
1	Better understanding and real-world examples of positive usage.	12/11/2023 9:59 PM
2	Training	12/10/2023 9:28 PM
3	We are against AI for the most part	12/10/2023 8:45 PM
4	Policies	12/10/2023 8:12 PM
5	Work to start looking into it more.	12/10/2023 7:39 PM
6	Not sure	12/8/2023 9:58 PM
7	training and examples of where it is useful and low risk to use in a planning environment	12/6/2023 3:48 AM
8	Not currently looking to use AI tools	12/5/2023 1:47 AM
9	None being using Dragon Naturally Speaking for 10 years	12/4/2023 7:22 PM
10	training. more understanding of techniques and potential uses	12/3/2023 10:42 PM
11	Guidelines on expectations around use by courts, institute, MfE, councils etc so I can meet these requirements. More training and resources on AI and how to use it safely and professionally.	12/3/2023 10:04 PM
12	None. I will not be using those tools in my work.	12/3/2023 8:41 PM
13	Training on how to use it	11/30/2023 11:05 PM
14	Training - particularly how to phrase questions to get the best use out of tool.	11/29/2023 7:13 PM
15	understanding potential and opportunities	11/29/2023 3:03 AM
16	We have a cross council team within our org that leads out this work. What we've found as being effective is people sharing their experiences - good and bad on a regular basis.	11/29/2023 1:04 AM
17	Significantly more training and support for adoption of them. Clear policies on what is OK versus inappropriate. A leader or two who can implement change and be available for queries at all times.	11/28/2023 12:45 AM
18	education	11/27/2023 8:16 PM
19	prompt (AI questioning) training and regular fast to read, easy to understand updates on changes - eg what platforms are available and which are good for what.	11/27/2023 8:16 PM
20	training	11/27/2023 8:01 PM
21	training, security understanding	11/27/2023 7:31 PM
22	A big dose of training. The manager (aged 72) is even less computer literate than me	11/27/2023 7:01 PM
23	A company subscription to the paid version of ChatGPT or similar, so that we can have access to the latest trained AI tools and can input data which we are currently not allowed to share with AI tools. Also training on how to draft prompts to make the best use of AI. (This could be a useful NZPI training course, although appreciate it's a wide-ranging discipline, so may need specific modules for different types of planning activities).	11/27/2023 4:03 AM
24	I have no idea. i have to admit to being ignorant of the options and limitations, opportunities currently available.	11/27/2023 3:34 AM
25	Use case examples and training	11/27/2023 3:26 AM
26	First is awareness , second is motivation , third is creative ideas	11/27/2023 2:54 AM
27	Unsure	11/27/2023 1:28 AM
28	demonstration of what is available, risks to look out for	11/27/2023 12:58 AM

Attitudes Towards AI Among Aotearoa New Zealand Planners

29	Instruction on how to use it, protocols around when/ where to use it	11/27/2023 12:39 AM
30	training as it relate to resource consents etc	11/26/2023 11:48 PM
31	Access to it, and training	11/26/2023 11:29 PM
32	Just information.	11/26/2023 11:26 PM
33	Training	11/26/2023 11:23 PM
34	Peer examples of where they have worked well, local innovations that are more secure and accurate but still benefit from generative AI breakthroughs.	11/26/2023 11:07 PM
35	More training in how to use these tools properly	11/26/2023 10:59 PM
36	Beca is a large enough organisation that can develop its own tools. Also will apply training to their use as an internal initiative.	11/26/2023 10:55 PM
37	None	11/26/2023 10:45 PM
38	Public documents being produced in machine readable format.	11/26/2023 10:39 PM
39	Direction about when it may be appropriate to use	11/26/2023 10:11 PM
40	None, I'll never use it.	11/26/2023 9:48 PM
41	mapping tools perhaps	11/26/2023 9:31 PM
42	More training/exposure to different ways it could be used.	11/26/2023 9:19 PM
43	Unsure.	11/26/2023 9:13 PM
44	Don't know	11/26/2023 8:56 PM
45	Guidelines on the appropriate use, particularly when it comes to the use of public/private and or sensitive information.	11/26/2023 8:51 PM
46	Some coaching/training. Getting Daniel Kinnock back :).	11/26/2023 8:42 PM
47	Knowledge of what tools, uses, benefits and training to use	11/26/2023 8:42 PM
48	An agreement about when it can be used and when it can't.	11/26/2023 8:40 PM
49	Unclear why I would want to	11/26/2023 8:36 PM
50	I need more education on the possibilities of AI and how to actually use it hands on	11/26/2023 8:33 PM
51	training. given the go ahead that is it acceptable	11/26/2023 8:32 PM
52	People with training in analytics and rigour would help. Not many around...	11/26/2023 8:27 PM
53	unsure	11/26/2023 8:19 PM
54	I don't think we currently have the resources or staff to manage how it could be used in our work, which is the main issue	11/26/2023 8:17 PM
55	Policies and procedures on where to use it.	11/26/2023 8:15 PM
56	Training and plenty of examples to demonstrate that it has a place within our profession	11/26/2023 8:15 PM
57	Policies, regulations, guidelines.	11/26/2023 8:14 PM
58	more training.	11/26/2023 8:13 PM
59	Workshops	11/26/2023 7:56 PM
60	Introduction to AI to see its capabilities in relation to the planning profession	11/26/2023 7:49 PM
61	Hands on training.	11/26/2023 7:48 PM
62	N/A	11/26/2023 7:42 PM
63	more training	11/26/2023 7:40 PM
64	Training!	11/26/2023 7:39 PM
65	Knowledge of the tools available and how best to use them for specific purposes.	11/26/2023 7:35 PM
66	Information of what is available in terms of applications and tools	11/26/2023 7:34 PM
67	Education on AI basics then ideas for uses of AI tools in the planning profession	11/26/2023 7:32 PM

Attitudes Towards AI Among Aotearoa New Zealand Planners

68	examples and procedures for utilisation, information on the tool available and specific planning applications	11/26/2023 7:30 PM
69	Training	11/26/2023 7:27 PM
70	Advice on what it can be used for and how. People sharing their experiences (good and bad). Starting simple.	11/26/2023 7:26 PM
71	Safety of information. Training.	11/26/2023 7:19 PM
72	guidelines would be nice in terms of how planning should expect/ could use the tools	11/26/2023 7:12 PM
73	Understand what AI tools are available; understand how to use them; know what I can and can't use in compliance with company policy; upskilling so that I get the output I want out of whatever I put in	11/26/2023 7:11 PM
74	training, how-to case studies / demos shared experiences Lessons learned sharing	11/26/2023 7:10 PM
75	Training	11/26/2023 7:02 PM
76	training and understanding as to what it is actually doing	11/26/2023 7:00 PM
77	Clarity over which resources are safe and accurate. Tips and tools to protect confidential information.	11/26/2023 6:36 PM
78	Protocols around its use, including NZPI's position on how planners utilise AI without compromising the professional integrity of planners.	11/26/2023 6:29 PM
79	Financial support (e.g. for plug ins that charge a subscription), and training.	11/26/2023 7:16 AM
80	Guidelines, practical examples	11/26/2023 2:03 AM
81	Some examples of step by step use.	11/25/2023 9:25 PM
82	Training, Safe guards, and agreed set of tools.	11/25/2023 8:20 PM
83	Have been using YouTube to upskill and find out about what's available.	11/25/2023 6:06 AM
84	Programme changes	11/25/2023 4:57 AM
85	This is an unhelpfully leading question. I think all new technology should be adopted slowly at the speed appropriate for the users. The support and resources needed will differ based on different skill and experience levels.	11/25/2023 12:39 AM
86	I'm fine thanks - happy with current use of AI, and not looking to use it more than I do now	11/24/2023 10:51 PM
87	I'm not interested in its application	11/24/2023 8:43 PM
88	examples and case studies	11/24/2023 8:10 PM
89	A better understanding of why it should be integrated in our work.	11/24/2023 6:34 PM
90	Money. AI tools that are fit for purpose. Support from senior leadership. Training.	11/24/2023 10:12 AM
91	Training or guidance material provided on specific tools that are suitable/used by others for various planning functions would be great.	11/24/2023 7:55 AM
92	Proven usefulness by other firms and accepted by councils	11/24/2023 6:59 AM
93	Organisation mandate, training	11/24/2023 6:57 AM
94	Its at a very early stage that I think any resources or support would be helpful, understanding how to use AI systems, the opportunities and challenges, workplace policies, ongoing assistance when issues arise etc	11/24/2023 6:33 AM
95	More information about data privacy, risks, liabilities, etc	11/24/2023 6:19 AM
96	Introduction to individual AI platforms and technologies	11/24/2023 6:07 AM
97	Training	11/24/2023 6:06 AM
98	Online training sessions, NZPI modules, visiting AI champions	11/24/2023 6:06 AM
99	Training	11/24/2023 5:47 AM
100	Mainly would depend on how AI is formally incorporated into the statutory framework in the future.	11/24/2023 4:20 AM
101	Institutional support, development of process, development of targeted AI software.	11/24/2023 4:19 AM

Attitudes Towards AI Among Aotearoa New Zealand Planners

102	NA	11/24/2023 4:16 AM
103	Knowing what tools can and how they can help the Planning process with clarity in required costing, information safety, and training to use such tools. before we can try to convince organisation to sue such tools.	11/24/2023 3:59 AM
104	Just learn how to drive this powerful tool. A secure, personalized, organization AI with access to the organization files.	11/24/2023 3:59 AM
105	Research on the legal framework around use of AI and Council's opinions on it.	11/24/2023 3:48 AM
106	Training / awareness about the range of tools available	11/24/2023 3:41 AM
107	Dedicated staff to research and test	11/24/2023 3:37 AM
108	Best practice guidelines	11/24/2023 3:37 AM
109	Don't know	11/24/2023 3:24 AM
110	training on use as a tool.	11/24/2023 3:13 AM
111	A better understanding of AI and how it works/could benefit the organisation	11/24/2023 3:12 AM

Q22 Is there anything else you would like to share about your or your organisation's experiences or attitudes towards AI in planning?

Answered: 61 Skipped: 91

#	RESPONSES	DATE
1	Very early on in its usage, could do with some coordinated resources and case studies across local government / central government	12/11/2023 10:00 PM
2	No	12/10/2023 9:28 PM
3	no	12/8/2023 9:59 PM
4	It takes time to adjust to using AI and if organisations don't allow their employees this time, people are either adopting it wholeheartedly and not stopping to think about safe use or are not engaging in it at all.	12/3/2023 10:06 PM
5	Some colleagues use Chat GPT to generate report writing. I think this is extremely unethical as they are feeding other people's reports into a program without those authors' consent. And that data will now be held by the owners of Chat GPT and used however they want (still without any consent). I hope these tools are banned and education is provided to all parts of the organisation (and to the whole planning profession) about the ethics and risks of using such tools. I do not agree that these tools should be widely adopted.	12/3/2023 8:45 PM
6	No	12/1/2023 2:26 AM
7	Nup, bring it on and reduce the costs for the applicants, most planners add very little. They are an additional cost that is not needed, surveyors would do a far better job on a subdivision layout without a planner involved at all. Go back and look at subdivision plans from 30 or 40 years ago, they are better than today but cost a tenth of the price if not less. What do planners really add? Answer, extra cost, bureaucracy, and unnecessary red tape that achieves nothing but to piss everyone off. If AI can rid of this, then that is a great outcome	11/30/2023 11:17 PM
8	Would be good to see NZPI offer training for planners in this space.	11/29/2023 7:14 PM
9	no	11/29/2023 3:03 AM
10	No	11/29/2023 1:04 AM
11	We are slow on the uptake but I can envisage some efficiencies happening in the next year or two as bigger braver companies adopt technology and it trickles down.	11/28/2023 12:49 AM
12	Like any tool there is the ability to use it in a good or bad way. Getting to a good point of understanding of how to use it well and to best effect in our industry is vital.	11/27/2023 8:17 PM
13	no	11/27/2023 8:16 PM
14	no	11/27/2023 8:02 PM
15	understanding what's out there and how it can be used and how they can be further developed/streamlined through our work	11/27/2023 7:32 PM
16	No thanks	11/27/2023 7:01 PM
17	Apart from the company policy on AI I've seen and heard very little about it in my workplace.	11/27/2023 4:05 AM
18	Not sure	11/27/2023 2:55 AM
19	NO	11/26/2023 11:23 PM
20	The usefulness of them as tools remains unproven, but appears hugely significant and transformative potentially.	11/26/2023 10:56 PM
21	No	11/26/2023 10:45 PM
22	I'll continue to blog about it to help the industry keep up.	11/26/2023 10:40 PM
23	I don't like AI.	11/26/2023 9:48 PM

Attitudes Towards AI Among Aotearoa New Zealand Planners

24	Just feels like we aren't there yet - I'm not sure if anyone is even looking into this	11/26/2023 9:31 PM
25	No.	11/26/2023 9:13 PM
26	Don't know	11/26/2023 8:56 PM
27	Not really. We are just starting out. Well hardly even that.	11/26/2023 8:43 PM
28	My answers just represent my experiences, not my organisation's.	11/26/2023 8:41 PM
29	this is very much an emerging tool for our business, keen to expand on what it can produce for us.	11/26/2023 8:34 PM
30	no, but clear direction from institutions / planning organisations that it is acceptable to use	11/26/2023 8:33 PM
31	Nope, it is early days, but I am concerned that just about anyone will suddenly believe they are nobel prize material, because the AI told them what they wanted to hear	11/26/2023 8:28 PM
32	N/A	11/26/2023 8:20 PM
33	Planning should not be dumbed down to a computer output. Planning can be highly complex and we should be encouraging communication, relationships and a high level of expertise.	11/26/2023 8:16 PM
34	No thanks	11/26/2023 8:14 PM
35	None.	11/26/2023 8:13 PM
36	-	11/26/2023 7:56 PM
37	N/A - I haven't heard anything about AI since I started (one month ago)	11/26/2023 7:49 PM
38	No.	11/26/2023 7:40 PM
39	No	11/26/2023 7:34 PM
40	No	11/26/2023 7:32 PM
41	It would be good to have a planning-specific lens on how it can be used and how it is useful (or not). Not just an IT department thing.	11/26/2023 7:28 PM
42	No	11/26/2023 7:00 PM
43	It is important to not push people too fast and risk negative outcomes.	11/26/2023 6:37 PM
44	Our organisation seems to be open-minded but cautious about the role of AI. It's supportive of teams investigating ways in which it could be utilised but has concerns, particularly around privacy and data protection.	11/26/2023 7:18 AM
45	I think it would be useful to add AI to EPlan software to find rules relevant to sites. I think we need a direction from Government following the Bletchley declaration and the international agreements / directions.	11/25/2023 8:26 PM
46	will need to consider code of ethics regarding use, particularly in evidential matters.	11/25/2023 6:07 AM
47	What does 'AI in planning' even mean? I work in a MD consultancy and AI is disrupting everything: Admin, PM, surveying, engineering etc... Planning is not unique in this. There is nothing sinister in AI, it's just a technology and there is way too much scare-mongering for no reason	11/25/2023 12:42 AM
48	Tread carefully	11/24/2023 10:51 PM
49	No thanks. But meanwhile, we are anthropocentrically fostering unfettered overshoot in human behaviour; Rome burns while Nero fiddles with AI!!!	11/24/2023 8:46 PM
50	I used it to help study but you have to be so careful with it. You can't get lazy and just let it do the work for you	11/24/2023 8:11 PM
51	No	11/24/2023 6:34 PM
52	National guidance would be really good to help local government planning departments navigate the various tools and opportunities.	11/24/2023 7:56 AM
53	-	11/24/2023 6:34 AM
54	There is a risk that the capabilities of AI tools could be exaggerated by those wishing to dismiss or undermine the role and value of the planning process and profession. No one would suggest judges could be fully replaced by AI tools, but some (admittedly fringe) viewpoints have suggested that planners could be. However, that doesn't mean that there is	11/24/2023 6:22 AM

Attitudes Towards AI Among Aotearoa New Zealand Planners

no role for AI in planning, just a need to be very careful and deliberate about how (and perhaps more importantly) why it could be used for certain tasks

55	N/A	11/24/2023 6:08 AM
56	Na	11/24/2023 6:06 AM
57	I think all planners need to embrace and use AI, or we'll be left behind. While AI can be scary in terms of its potential to be used for evil, the benefits to planning far outweigh this and we really need to get to grips with using it effectively.	11/24/2023 5:50 AM
58	I have heard from several high level staff in resource consents at local councils that the use of GPTs by consultants is unacceptable to them. I find this curious. the goal of consenting is to ensure suitable compliance with planning frameworks is achieved, and this would be no less true whether the work was done by a consultant typing every word or one utilising AI assistance. As long as the work is verified, I can't see a need for this to be a concern.	11/24/2023 4:21 AM
59	AI still in its infancy in our organisation but is tentatively positive, exploring opportunities and avenues where it might assist	11/24/2023 3:38 AM
60	n/a	11/24/2023 3:25 AM
61	nothing comes to mind	11/24/2023 3:13 AM