

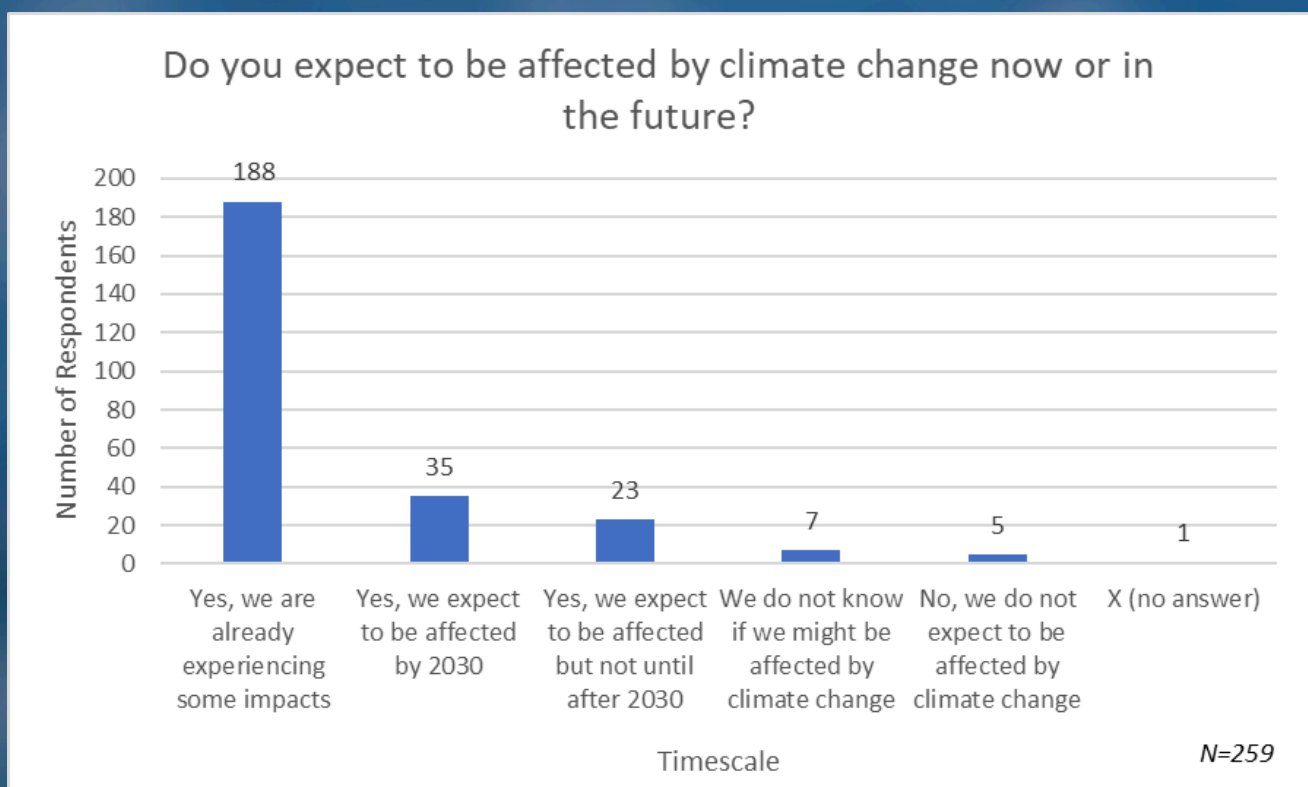
## Climate Adaptation Synthesis Factsheets

### 2024 Adaptation Synthesis Survey Results

A survey was designed and sent via State Letter as part of the 2024 ICAO CAEP Adaptation Synthesis. 259 responses were received, with at least one response from every ICAO Region. Respondents were comprised of sixty-three (63) States, sixty-three (63) airports, fifty-nine (59) civil aviation authorities, forty (40) airlines, sixteen (16) Air Navigation Service Providers, six (6) OEMs and twelve (12) categorised as “other” such as ground handling organizations, regional safety oversight organizations, and meteorological organizations. The survey had questions for each of the nine climate effect categories analysed in the Synthesis and also asked respondents questions on adaptation planning, and the preparedness of the global aviation sector for the effects of climate change (see Figure 2 for a list of the nine climate effect categories).

### Key Findings:

Figure 1 below presents one of the key findings of the survey results. 188 of 259 of respondents (73 percent) said that they are already experiencing some impacts from climate change. Just five respondents (2 percent) indicated that they do not expect to be impacted by climate change.



**Figure 1:** Timescales in which respondents expect to be impacted by climate change.

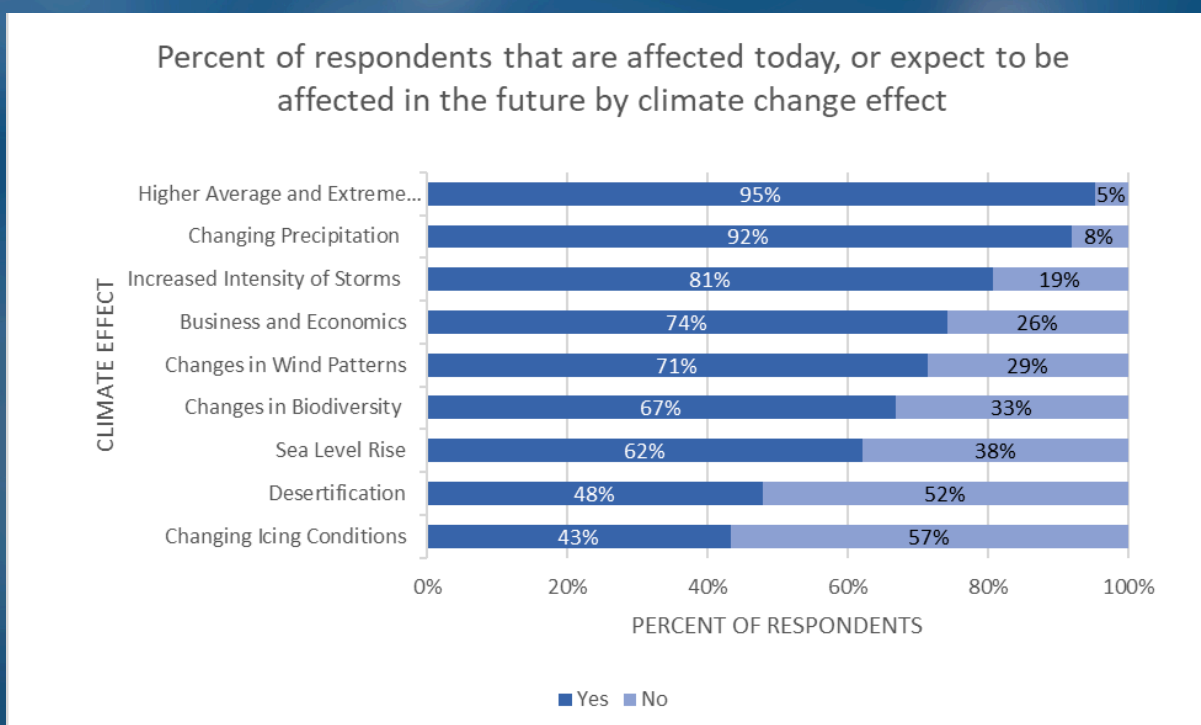
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The Survey asked respondents if they are affected today or expect to be affected in the future by nine climate effect categories. Results are presented in Figure 2. In seven of these categories 60 percent or greater of the respondents said they are affected today or expect to be affected in the future.

Respondents expected the biggest challenges to be from Higher Average and Extreme Temperature, Changing Precipitation, and Increased Intensity of Storms:

- **Higher Average and Extreme Temperatures:** 247 of 259 respondents stated they are affected today or expect to be affected in the future by Higher Average and Extreme Temperatures (95 percent).
- **Changing Precipitation:** 238 of 259 respondents stated they are affected today or expect to be affected in the future by Changing Precipitation (92 percent).
- **Increased Intensity of Storms:** 209 of 259 respondents stated they are affected today or expect to be affected in the future by Increased Intensity of Storms (81 percent).



**Figure 2:** Percent of respondents that are affected by impact category.



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**Risk Assessment:** 191 out of 259 of respondents (74 percent) indicated that they have already carried out a risk assessment or intend to do so in the future. Respondents also stated that adaptation risk assessment and planning both at the global and the airport level are some of the more effective things the global aviation sector can do or is doing to prepare for the impacts of climate change.

**Implementing Adaptation and Resilience Measure:** 32 out of 259 respondents (12 percent) stated that they are already implementing adaptation and resilience measures while 43 out of 259 (17 percent) respondents indicated they plan to do so in the next five years and 24 out of 259 (9 percent) indicated they plan to do so in the next 10 years. Despite the implementation – or planned implementation – of adaptation and resilience measures, 225 out of 259 respondents (87 percent) believe that the global aviation sector still has work to do in order to prepare for the impacts of climate change.