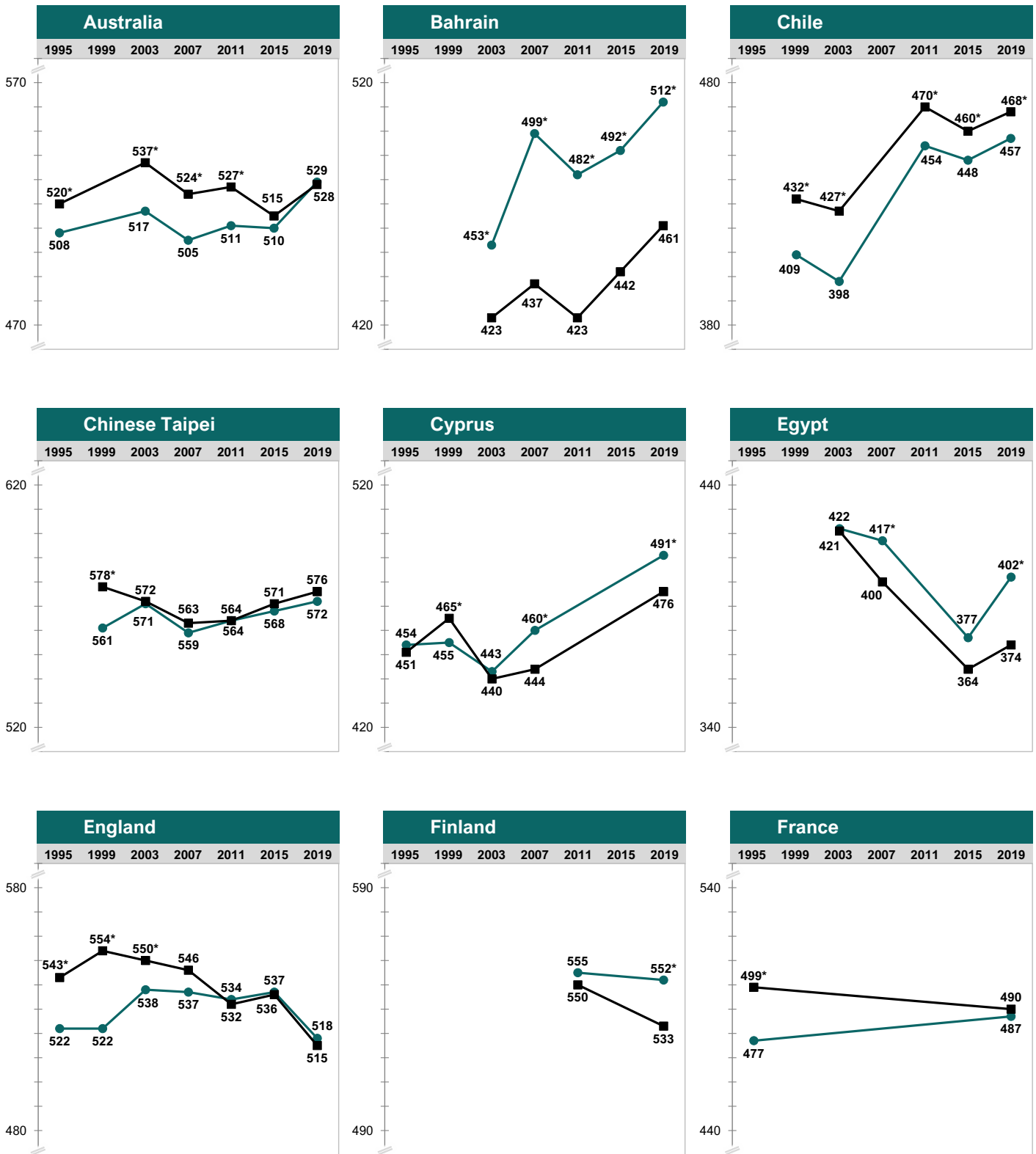


**Exhibit 4.6: Trend Plots of Average Science Achievement Across Assessment Years by Gender**

This exhibit displays changes in achievement for girls and boys in each country and benchmarking participant that have comparable data from previous assessments. See Appendix A for country participation in previous assessments.

Girls ● Boys ■ \* Average significantly higher than other gender



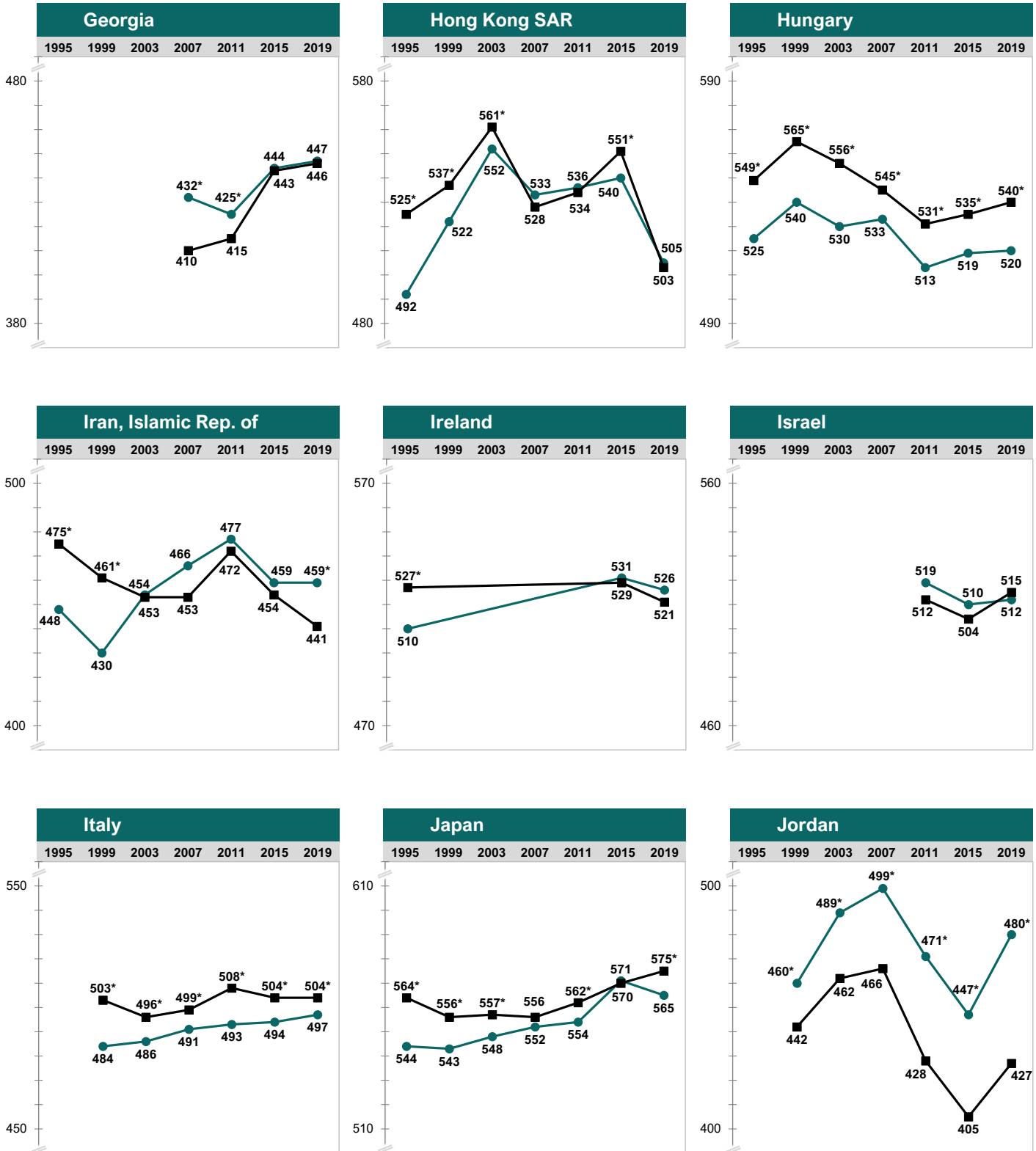
See Appendix A for country participation in previous TIMSS assessments. The scale interval is 10 points for each country, but a different part of the scale is shown according to each country's average achievement.

Exhibit 4.6: Trend Plots of Average Science Achievement Across Assessment Years by Gender

(Continued)

This exhibit displays changes in achievement for girls and boys in each country and benchmarking participant that have comparable data from previous assessments. See Appendix A for country participation in previous assessments.

Girls —●— Boys —■— \* Average significantly higher than other gender



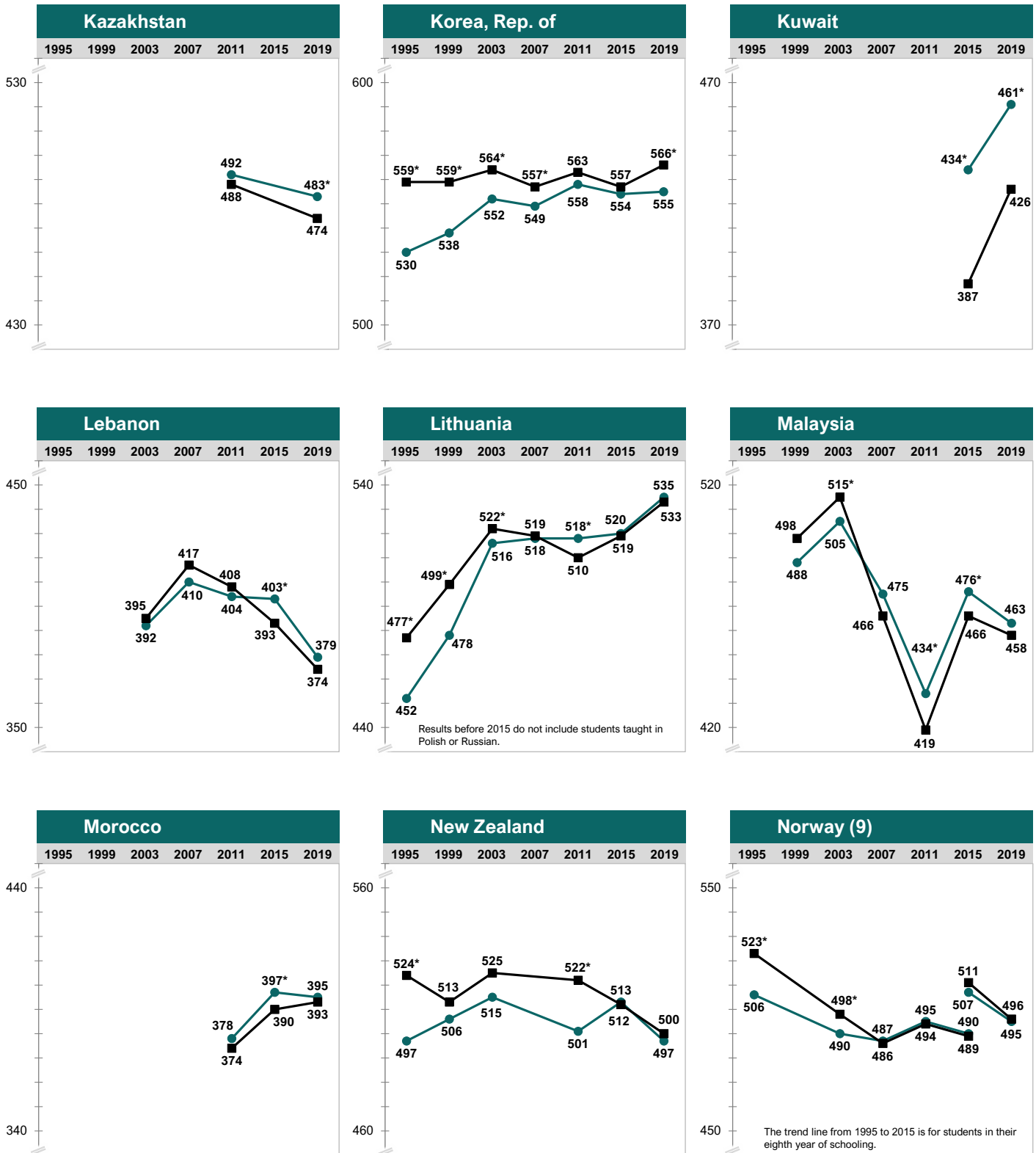
See Appendix A for country participation in previous TIMSS assessments. The scale interval is 10 points for each country, but a different part of the scale is shown according to each country's average achievement.

Exhibit 4.6: Trend Plots of Average Science Achievement Across Assessment Years by Gender

(Continued)

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Girls ● Boys ■ \* Average significantly higher than other gender



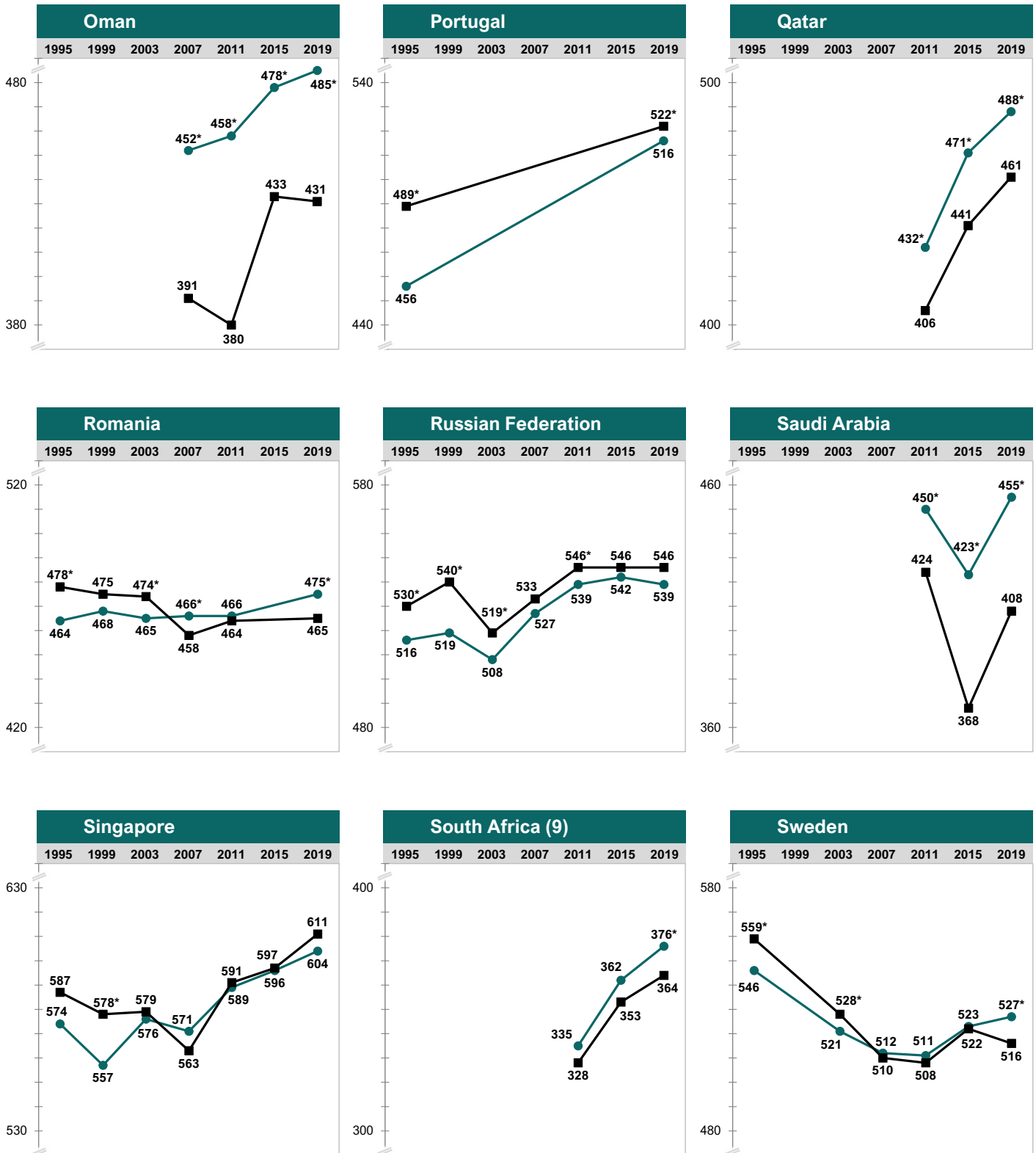
See Appendix A for country participation in previous TIMSS assessments. The scale interval is 10 points for each country, but a different part of the scale is shown according to each country's average achievement.

Exhibit 4.6: Trend Plots of Average Science Achievement Across Assessment Years by Gender

(Continued)

This exhibit displays changes in achievement for girls and boys in each country and benchmarking participant that have comparable data from previous assessments. See Appendix A for country participation in previous assessments.

Girls ● Boys ■ \* Average significantly higher than other gender



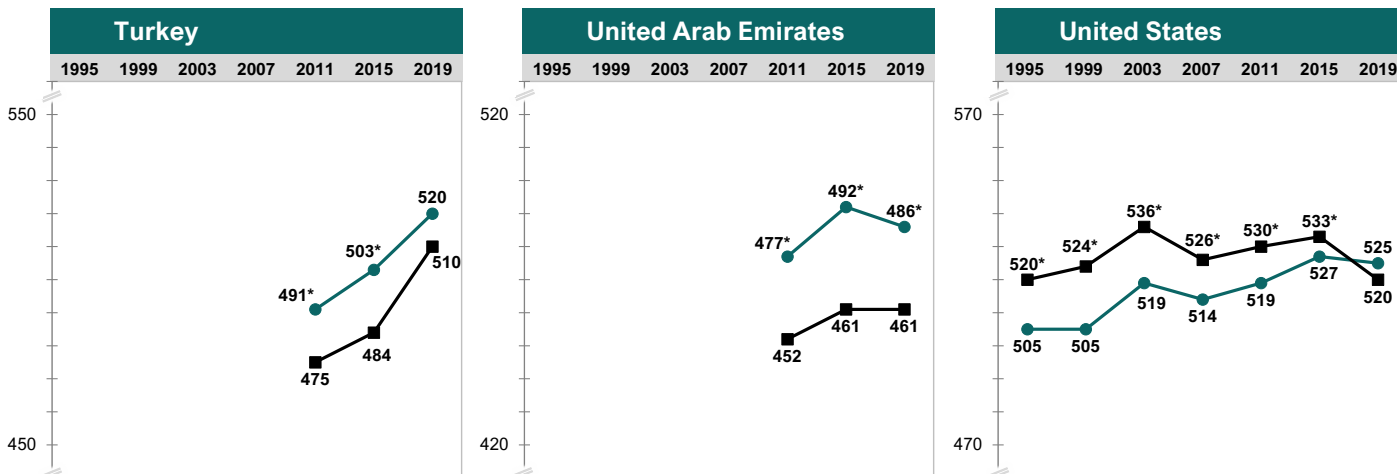
See Appendix A for country participation in previous TIMSS assessments. The scale interval is 10 points for each country, but a different part of the scale is shown according to each country's average achievement.

Exhibit 4.6: Trend Plots of Average Science Achievement Across Assessment Years by Gender

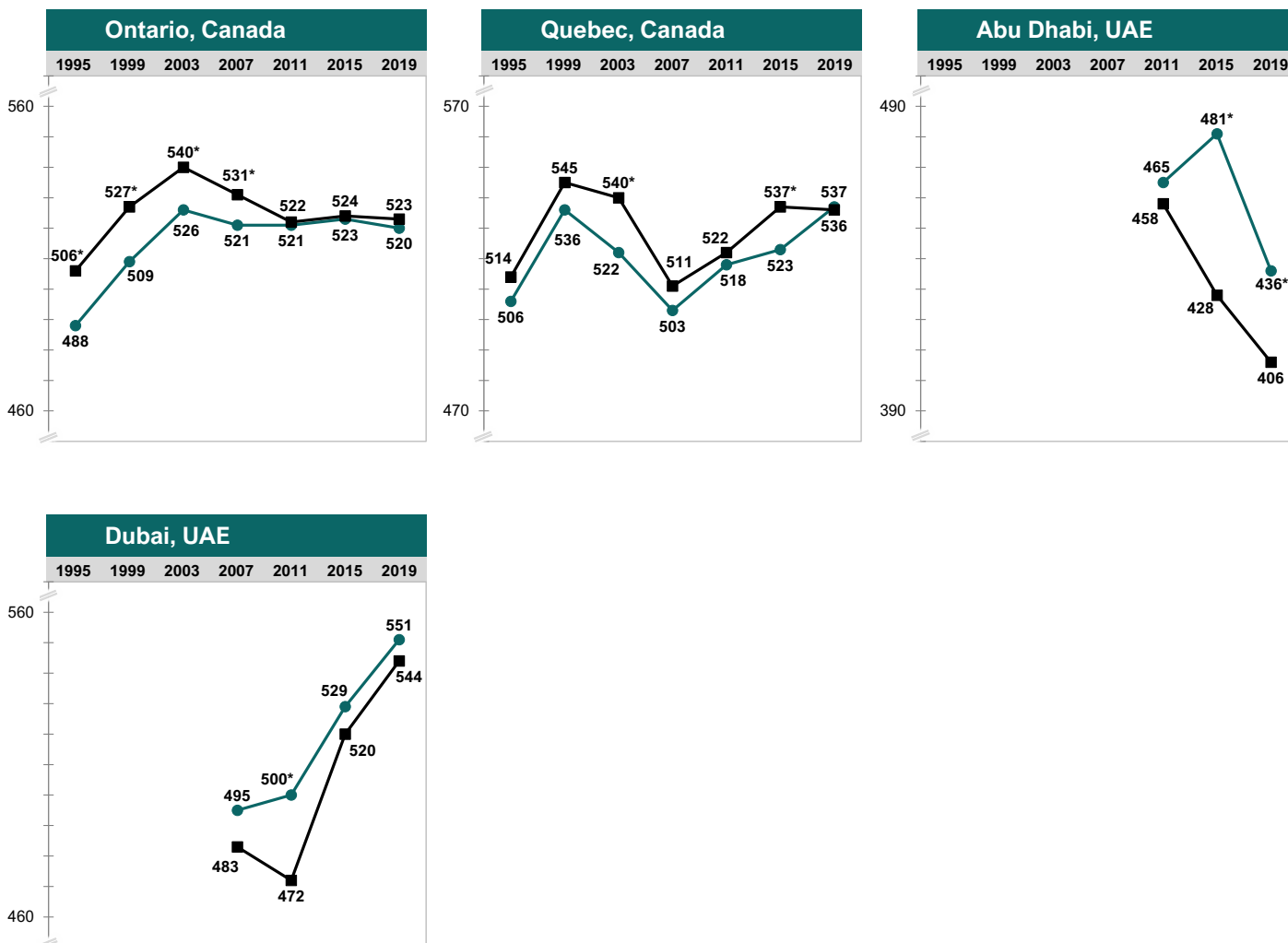
(Continued)

This exhibit displays changes in achievement for girls and boys in each country and benchmarking participant that have comparable data from previous assessments. See Appendix A for country participation in previous assessments.

Girls ● Boys ■ \* Average significantly higher than other gender



Benchmarking Participants



See Appendix A for country participation in previous TIMSS assessments. The scale interval is 10 points for each country, but a different part of the scale is shown according to each country's average achievement.