Supplementary Materials

Table S1. Climate growth relationship for earlywood tree-ring width (TREW) over the 1901–2019 period (uppercase months—current year, lower case months—the previous year, PP— Precipitation, Tmin—minimum temperature, Tmean—mean temperature, Tmax—Maximum Temperature, 1-month (SPI1), 3-month (SPI3), 6-month (SPI6), 9-month (SPI9), 12-month (SPI12) Standardized Precipitation Index).

TREW	**SPI1**	**SPI3**	**SPI6**	**SPI9**	**SPI12**
Jun	0.01	**-0.21**	-0.16	**-0.19**	-0.07
Jul	0.01	-0.10	-0.15	-0.15	-0.04
Aug	0.04	0.03	-0.15	-0.12	-0.05
Sep	-0.02	0.02	-0.11	-0.10	-0.13
Oct	-0.10	-0.02	-0.09	-0.11	-0.12
Nov	0.13	0.00	0.03	-0.10	-0.08
Dec	0.15	0.08	0.05	-0.05	-0.05
JAN	0.17	**0.24**	0.10	0.00	-0.03
FEB	0.03	**0.21**	0.09	0.10	-0.05
MAR	0.01	0.11	0.13	0.10	-0.03
APR	0.20	0.14	**0.26**	**0.16**	0.04
MAY	**0.19**	**0.24**	**0.29**	**0.20**	**0.18**
JUN	0.05	**0.25**	**0.25**	**0.24**	**0.20**
JUL	**0.19**	**0.25**	**0.28**	**0.34**	**0.26**
AUG	-0.01	0.15	**0.25**	**0.30**	**0.24**
SEP	-0.02	0.11	**0.23**	**0.25**	**0.25**
OCT	-0.06	-0.06	0.15	**0.20**	**0.27**
NOV	-0.14	-0.09	0.06	0.16	**0.21**
JJA	0.12	**0.25**	**0.28**	**0.30**	**0.24**

note: The significant correlations are represented with bold.

Table S2. Climate growth relationship for latewood tree-ring width (TRLW) over the 1901–2019 period (uppercase months—current year, lower case months—the previous year, PP— Precipitation, Tmin—minimum temperature, Tmean—mean temperature, Tmax—Maximum Temperature, 1-month (SPI1), 3-month (SPI3), 6-month (SPI6), 9-month (SPI9), 12-month (SPI12) Standardized Precipitation Index).

TRLW	**SPI1**	**SPI3**	**SPI6**	**SPI9**	**SPI12**
Jun	-0.04	0.07	0.04	-0.03	-0.09
Jul	0.13	0.13	0.09	0.04	-0.04
Aug	0.10	0.10	0.12	0.12	0.00
Sep	**0.24**	**0.26**	**0.24**	**0.21**	0.14
Oct	0.09	**0.24**	**0.27**	**0.23**	0.19
Nov	**0.35**	**0.34**	**0.31**	**0.29**	**0.29**
Dec	0.14	**0.31**	**0.37**	**0.34**	**0.31**
JAN	0.10	**0.33**	**0.38**	**0.36**	**0.33**
FEB	0.15	**0.22**	**0.40**	**0.36**	**0.34**
MAR	0.19	**0.23**	**0.34**	**0.43**	**0.40**
APR	0.17	**0.27**	**0.39**	**0.44**	**0.41**
MAY	0.16	**0.28**	**0.32**	**0.46**	**0.42**
JUN	**0.40**	**0.43**	**0.46**	**0.50**	**0.54**
JUL	0.11	**0.38**	**0.45**	**0.49**	**0.55**
AUG	-0.17	**0.20**	**0.32**	**0.36**	**0.48**
SEP	-0.12	-0.10	**0.21**	**0.27**	**0.35**
OCT	**-0.23**	**-0.27**	0.10	**0.19**	**0.29**

NOV	-0.12	**-0.24**	0.01	0.14	**0.20**
JJA	**0.19**	**0.38**	**0.44**	**0.48**	**0.54**

note: The significant correlations are represented with bold.

Table S3. Climate growth relationship for total tree-ring width (TRW) over the 1901–2019 period (uppercase months—current year, lower case months—the previous year, PP— Precipitation, Tmin—minimum temperature, Tmean—mean temperature, Tmax—Maximum Temperature, 1-month (SPI1), 3-month (SPI3), 6-month (SPI6), 9-month (SPI9), 12-month (SPI12) Standardized Precipitation Index).

TRW	**SPI1**	**SPI3**	**SPI6**	**SPI9**	**SPI12**
Jun	-0.07	-0.04	-0.06	-0.12	-0.15
Jul	0.13	0.06	0.00	-0.04	-0.09
Aug	0.13	0.10	0.05	0.06	-0.05
Sep	**0.24**	**0.28**	**0.18**	0.15	0.08
Oct	0.06	**0.25**	**0.22**	0.17	0.12
Nov	**0.37**	**0.33**	**0.29**	**0.24**	**0.22**
Dec	0.17	**0.31**	**0.38**	**0.29**	**0.26**
JAN	0.09	**0.35**	**0.39**	**0.32**	**0.27**
FEB	0.15	**0.24**	**0.40**	**0.35**	**0.29**
MAR	0.17	**0.21**	**0.34**	**0.43**	**0.34**
APR	0.21	**0.29**	**0.42**	**0.46**	**0.38**
MAY	**0.19**	**0.31**	**0.36**	**0.48**	**0.43**
JUN	**0.41**	**0.47**	**0.48**	**0.53**	**0.56**
JUL	0.14	**0.41**	**0.49**	**0.54**	**0.58**
AUG	-0.16	**0.23**	**0.35**	**0.40**	**0.51**
SEP	-0.11	-0.07	**0.25**	**0.31**	**0.39**
OCT	**-0.22**	**-0.26**	0.13	**0.24**	**0.34**
NOV	-0.15	**-0.24**	0.03	**0.17**	**0.24**
JJA	**0.22**	**0.42**	**0.47**	**0.52**	**0.57**

note: The significant correlations are represented with bold.