

Supplementary

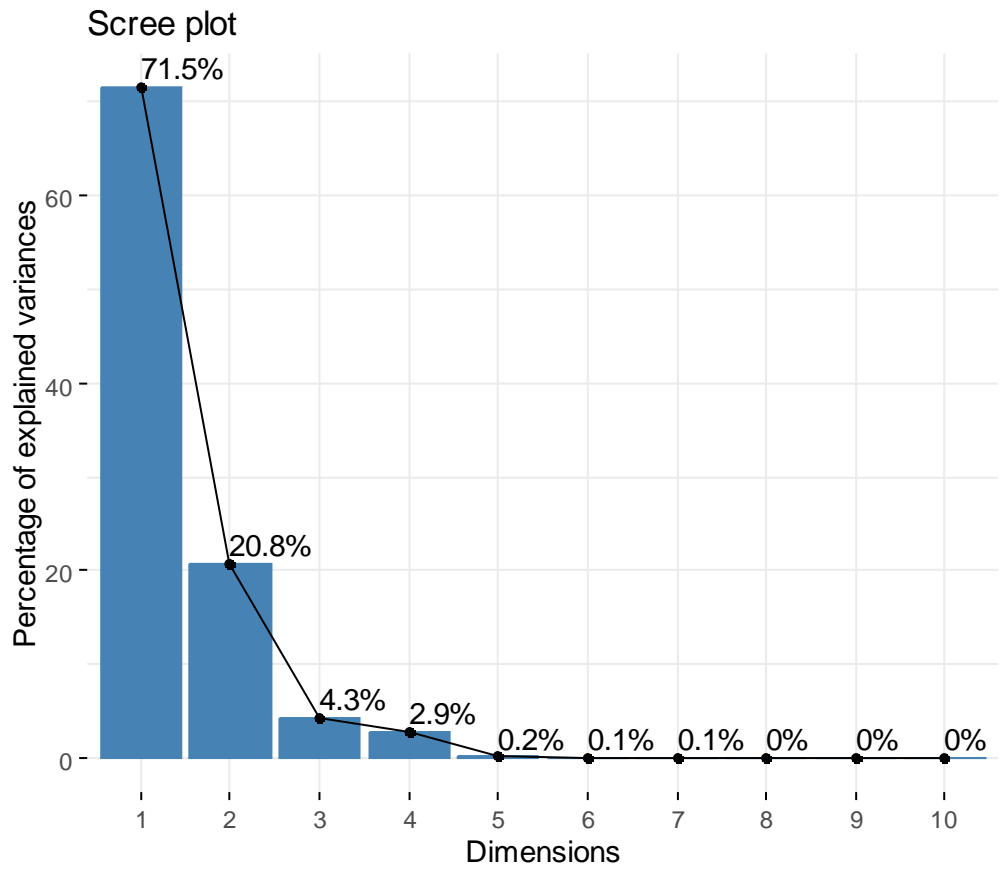
Supplementary Table 1 Principal component analysis of 19 bioclimatic variables

| Variables | Describe | Principal Component | | |
|-----------|--|---------------------|---------------|---------------|
| | | PC1 | PC2 | PC3 |
| BIO1 | Annual Mean Temperature | 0.272 | 0.112 | 0.224 |
| BIO2 | Mean Diurnal Range (Mean of monthly (max temp - min temp)) | -0.205 | 0.177 | -0.145 |
| BIO3 | Isothermality (BIO2/BIO7) (×100) | -0.129 | 0.403 | -0.123 |
| BIO4 | Temperature Seasonality (standard deviation ×100) | 0.039 | -0.476 | 0.128 |
| BIO5 | Max Temperature of Warmest Month | 0.266 | -0.093 | 0.261 |
| BIO6 | Min Temperature of Coldest Month | 0.262 | 0.181 | 0.200 |
| BIO7 | Temperature Annual Range (BIO5-BIO6) | -0.059 | -0.447 | 0.041 |
| BIO8 | Mean Temperature of Wettest Quarter | 0.221 | 0.029 | 0.447 |
| BIO9 | Mean Temperature of Driest Quarter | 0.253 | 0.220 | 0.097 |
| BIO10 | Mean Temperature of Warmest Quarter | 0.272 | -0.069 | 0.264 |
| BIO11 | Mean Temperature of Coldest Quarter | 0.243 | 0.253 | 0.168 |
| BIO12 | Annual Precipitation | 0.272 | -0.013 | -0.271 |
| BIO13 | Precipitation of Wettest Month | 0.256 | 0.077 | -0.266 |
| BIO14 | Precipitation of Driest Month | 0.255 | -0.147 | -0.257 |
| BIO15 | Precipitation Seasonality (Coefficient of Variation) | -0.198 | 0.286 | 0.066 |
| BIO16 | Precipitation of Wettest Quarter | 0.255 | 0.110 | -0.269 |
| BIO17 | Precipitation of Driest Quarter | 0.248 | -0.165 | -0.275 |
| BIO18 | Precipitation of Warmest Quarter | 0.211 | 0.210 | -0.162 |
| BIO19 | Precipitation of Coldest Quarter | 0.250 | -0.124 | -0.303 |

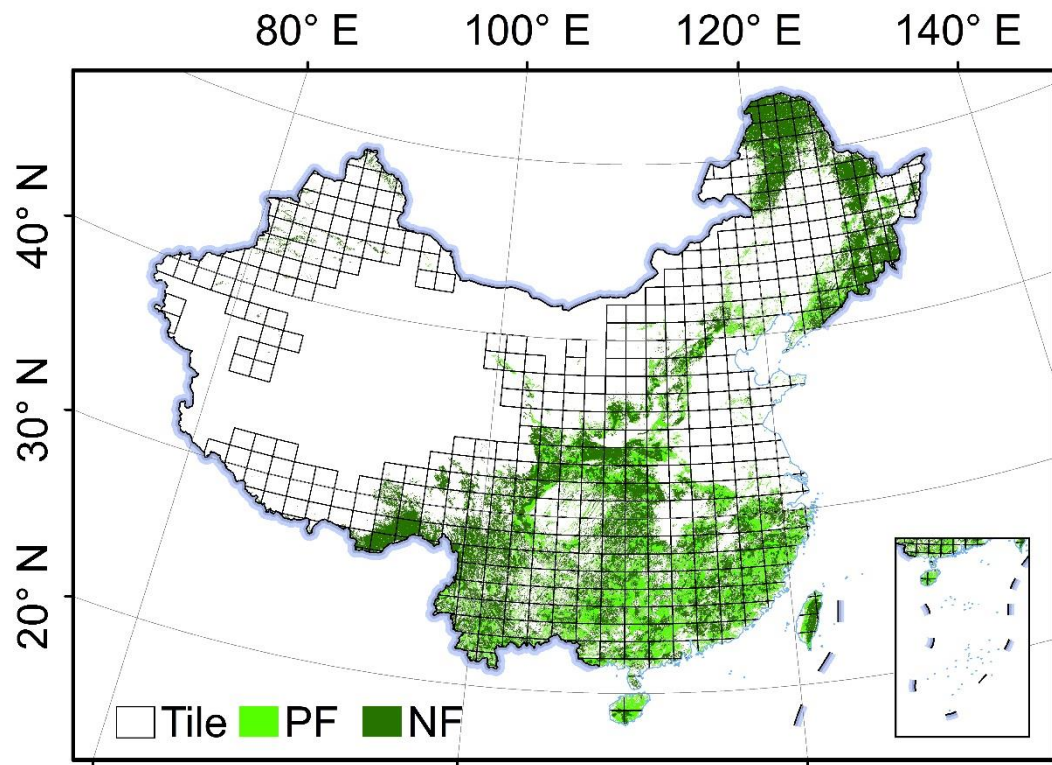
PC1 is related to BIO1, BIO2, BIO5, BIO6, BIO9, BIO10, BIO12 and BIO18

PC2 is related to BIO3, BIO4, BIO7, BIO11 and BIO15

PC3 is related to BIO8, BIO13, BIO14, BIO16, BIO17 and BIO19.



Supplementary Figure1. Scree plot of 19 bioclimatic variables



Supplementary Figure 2. $1^{\circ} \times 1^{\circ}$ grids for China's forest region. PF: planted forest, NF: Natural forest.

Supplementary Table 2. The thirteen alternative machine learning algorithms and their accuracies(R^2)

| Model | Validation | | | | | | | | Test | | | | | | | |
|--------------------------|------------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|
| | CT | WT | QT | TM | TS | TD | TN | SE | CT | WT | QT | TM | TS | TD | TN | SE |
| DecisionTree | -0.1443 | 0.2008 | 0.2540 | 0.6540 | 0.5230 | 0.4843 | 0.2743 | 0.3521 | -0.0116 | 0.2232 | 0.0815 | 0.7207 | 0.5480 | 0.5409 | 0.2882 | 0.3586 |
| ExtraTree | -0.1450 | 0.1879 | 0.1295 | 0.6354 | 0.4200 | 0.4582 | 0.2306 | 0.3115 | -0.2244 | 0.2527 | 0.1297 | 0.6657 | 0.4828 | 0.5660 | 0.2398 | 0.3526 |
| GaussianProcess | -2.9984 | -1.5756 | -2.2477 | -13.0362 | -1.2202 | -2.3692 | -2.7937 | -1.2905 | -2.8423 | -1.5995 | -2.5428 | -11.2968 | -1.1853 | -2.1186 | -2.8901 | -1.2705 |
| XGB | 0.3311 | 0.5718 | 0.5109 | 0.7942 | 0.7106 | 0.7077 | 0.5845 | 0.6573 | 0.3402 | 0.5857 | 0.3609 | 0.8241 | 0.7272 | 0.7586 | 0.6031 | 0.6690 |
| RandomForest | 0.4124 | 0.6017 | 0.5546 | 0.8113 | 0.7343 | 0.7067 | 0.6236 | 0.6609 | 0.4262 | 0.6121 | 0.5363 | 0.8414 | 0.7641 | 0.7724 | 0.6272 | 0.6749 |
| Bagging | 0.3646 | 0.5661 | 0.5268 | 0.7961 | 0.7043 | 0.6699 | 0.5859 | 0.6309 | 0.3674 | 0.5791 | 0.4387 | 0.8287 | 0.7315 | 0.7487 | 0.6055 | 0.6457 |
| HistGradientBoost | 0.3935 | 0.6039 | 0.5093 | 0.8051 | 0.7325 | 0.6931 | 0.6234 | 0.6685 | 0.4092 | 0.6113 | 0.4526 | 0.8341 | 0.7572 | 0.7825 | 0.6303 | 0.6885 |
| LGBM | 0.3986 | 0.6052 | 0.5202 | 0.8083 | 0.7234 | 0.6962 | 0.6262 | 0.6726 | 0.4203 | 0.6112 | 0.4552 | 0.8362 | 0.7513 | 0.7845 | 0.6341 | 0.6891 |
| GradientBoosting | 0.4208 | 0.5950 | 0.5484 | 0.8095 | 0.7260 | 0.7007 | 0.6223 | 0.6605 | 0.4543 | 0.5923 | 0.4930 | 0.8433 | 0.7435 | 0.7705 | 0.6228 | 0.6796 |
| MLP | 0.3990 | 0.5198 | 0.1415 | 0.5954 | 0.7076 | 0.6016 | 0.5953 | 0.6659 | 0.4311 | 0.5120 | 0.2354 | 0.7695 | 0.7170 | 0.6685 | 0.5900 | 0.6685 |
| AdaBoost | 0.1650 | 0.4622 | 0.4775 | 0.6436 | 0.5348 | 0.5867 | 0.5443 | 0.3152 | 0.1700 | 0.4808 | 0.4589 | 0.7705 | 0.6095 | 0.5980 | 0.5434 | 0.3559 |
| KNeighbors | -0.0304 | 0.3386 | 0.3247 | 0.5851 | 0.4612 | 0.5574 | 0.0958 | 0.3883 | 0.0013 | 0.3779 | 0.1892 | 0.6067 | 0.5253 | 0.6302 | 0.1312 | 0.4284 |
| CatBoost | 0.4263 | 0.6109 | 0.5814 | 0.8162 | 0.7409 | 0.7322 | 0.6271 | 0.6749 | 0.4501 | 0.6203 | 0.5022 | 0.8444 | 0.7602 | 0.7922 | 0.6275 | 0.6924 |

Supplementary Table 3. The hyperparameters and their range for different models.

| Algorithm | Python Package | Hyperparameter Range |
|-------------------|--|--|
| RF | sklearn.ensemble.RandomForestRegressor | max_depth:[3,18] n_estimators:[5000, 8000] max_features:['auto', 'sqrt', 'log2'] min_samples_split:[2, 10] min_samples_leaf:[2, 10] random_state: 2023 |
| GBDT | sklearn.ensemble.GradientBoostingRegressor | max_depth:[2, 10] learning_rate: [0.001,0.005,0.01,0.05,0.1] n_estimators:[4000, 5000] subsample:[0.7, 0.9] max_features: ['auto', 'sqrt', 'log2'] min_samples_split:[2, 10] random_state:2023 |
| HistGradientBoost | sklearn.ensemble.HistGradientBoostingRegressor | max_depth:[2, 10] learning_rate: [0.001,0.02,0.03,0.005,0.01,0.05,0.1] max_leaf_nodes:[30, 40] min_samples_leaf:[15, 25] random_state:2023 |
| LightGBM | lightgbm | reg_alpha: [0.001, 10.0] reg_lambda: [0.001, 10.0] num_leaves: [11, 333] min_child_samples: [5, 100] max_depth: [3, 20] learning_rate: [0.001,0.005,0.01,0.05,0.1] colsample_bytree: [0.1, 0.5] n_estimators: [7000, 8000] cat_smooth: [10, 100] cat_l2: [1, 20] min_data_per_group: [50, 200] cat_feature: [10, 60] n_jobs: -1 random_state: 2023 |
| CatBoost | catboost | depth: [3, 10] learning_rate: [0.001,0.005,0.01,0.05,0.1] iterations: [5000, 9000] max_bin: [200, 400] min_data_in_leaf: [1, 30] l2_leaf_reg: [0.0001, 1.0, log=True] subsample: [0.6, 0.9] random_state: 2023 |

Supplementary Table 4. The optimal hyperparameter parameter values for different MLAs.

| Vegetation division | Algorithm | Hyperparameter values |
|---------------------|-------------------|--|
| CT | RF | (max_depth=8,n_estimators=6589,max_features='auto',min_samples_leaf=9,min_samples_split=8,random_state=2023) |
| | GBDT | {'max_depth': 4, 'learning_rate': 0.001, 'n_estimators': 4909, 'subsample': 0.7234085712326702, 'max_features': 'auto', 'min_samples_split':10,'random_state': 2023} |
| | CatBoost | (depth=10,learning_rate=0.1,iterations=86,max_bin=320,min_data_in_leaf=27,l2_leaf_reg=0.17934206956587195,subsample=0.6773452775007673,random_seed=2023) |
| WT | RF | (max_depth=19,n_estimators=348,max_features='sqrt',min_samples_leaf=1,min_samples_split=3,random_state=2023) |
| | LGBM | {'reg_alpha': 4.188760632650688, 'reg_lambda': 4.255499587500175, 'num_leaves': 75, 'min_child_samples': 7, 'max_depth': 19, 'learning_rate': 0.001, 'colsample_bytree': 0.4928730464443524, 'n_estimators': 7117, 'cat_smooth': 84, 'cat_l2': 15, 'min_data_per_group': 193, 'cat_feature': 28, 'random_state': 2023} |
| | CatBoost | (depth=12,learning_rate=0.05,iterations=133,max_bin=314,min_data_in_leaf=8,l2_leaf_reg=0.0021616691540516635,subsample=0.827218563526197,random_seed=2023) |
| QT | RF | (max_depth=9,n_estimators=100,max_features='auto',min_samples_leaf=1,min_samples_split=2,random_state=2023) |
| | GBDT | {'max_depth': 5, 'learning_rate': 0.001, 'n_estimators': 4873, 'subsample': 0.6338013854778914, 'max_features': 'sqrt', 'min_samples_split':8,'random_state': 2023} |
| | CatBoost | (depth=7,learning_rate=0.1,iterations=90,max_bin=337,min_data_in_leaf=4,l2_leaf_reg=0.0008155227484111563,subsample=0.7808941610379249,random_seed=2023) |
| TM | HistGradientBoost | (learning_rate=0.05, max_leaf_nodes=33, max_depth=5, min_samples_leaf=21, l2_regularization=0.0001, max_bins=200, early_stopping='auto', random_state=2023) |
| | GBDT | {'max_depth': 5, 'learning_rate': 0.001, 'n_estimators': 4970, 'subsample': 0.7323582473497865, 'max_features': 'auto', 'min_samples_split':9,'random_state': 2023} |
| | CatBoost | (depth=5,learning_rate=0.1,iterations=228,max_bin=298,min_data_in_leaf=14,l2_leaf_reg=0.912715671115768,subsample=0.7691332886798857,random_seed=2023) |
| TS | RF | (max_depth=12,n_estimators=105,max_features='auto',min_samples_leaf=2,min_samples_split=8,random_state=2023) |
| | LightGBM | {'reg_alpha': 3.0022329902119083, 'reg_lambda': 6.129604703602383, 'num_leaves': 69, 'min_child_samples': 38, 'max_depth': 15, 'learning_rate': 0.001, 'colsample_bytree': 0.48372749547013316, 'n_estimators': 7571, 'cat_smooth': 82, 'cat_l2': 5, 'min_data_per_group': 128, 'cat_feature': 41, 'random_state': 2023} |
| | CatBoost | (depth=7,learning_rate=0.005,iterations=4164,max_bin=215,min_data_in_leaf=24,l2_leaf_reg=0.00017571003237103587,subsample=0.8817081947911567,random_seed=2023) |
| TD | HistGradientBoost | (learning_rate=0.1, max_leaf_nodes=39, max_depth=4, min_samples_leaf=22, l2_regularization=0.0001, max_bins=200, |

| | | |
|----|-------------------|--|
| | | early_stopping='auto', random_state=2023) |
| | LightGBM | {'reg_alpha': 2.1333544399270994, 'reg_lambda': 7.980678166407649, 'num_leaves': 217, 'min_child_samples': 5, 'max_depth': 5, 'learning_rate': 0.003, 'colsample_bytree': 0.43984300935044063, 'n_estimators': 7992, 'cat_smooth': 76, 'cat_l2': 7, 'min_data_per_group': 187, 'cat_feature': 47, 'random_state': 2023} |
| | CatBoostRegressor | (depth=5, learning_rate=0.01, iterations=5203, max_bin=246, min_data_in_leaf=6, l2_leaf_reg=0.00045191356462636874, subsample=0.6391293474573634, random_seed=2023) |
| TN | HistGradientBoost | (learning_rate=0.05, max_leaf_nodes=38, max_depth=6, min_samples_leaf=20, l2_regularization=0.0001, max_bins=200, early_stopping='auto', random_state=2023) |
| | LightGBM | {'reg_alpha': 3.0022329902119083, 'reg_lambda': 6.129604703602383, 'num_leaves': 69, 'min_child_samples': 38, 'max_depth': 15, 'learning_rate': 0.001, 'colsample_bytree': 0.48372749547013316, 'n_estimators': 7571, 'cat_smooth': 82, 'cat_l2': 5, 'min_data_per_group': 128, 'cat_feature': 41, 'random_state': 2023} |
| | CatBoost | (depth=10, learning_rate=0.1, iterations=155, max_bin=319, min_data_in_leaf=1, l2_leaf_reg=0.33907394509650335, subsample=0.7682844712570389, random_seed=2023) |
| SE | LightGBM | {'reg_alpha': 6.116715128459515, 'reg_lambda': 5.231647634428009, 'num_leaves': 18, 'min_child_samples': 73, 'max_depth': 8, 'learning_rate': 0.002, 'colsample_bytree': 0.4726653436124117, 'n_estimators': 7288, 'cat_smooth': 67, 'cat_l2': 6, 'min_data_per_group': 79, 'cat_feature': 36, 'random_state': 2023} |
| | MLP | {'hidden_layer_sizes': (200, 200, 200), 'activation': 'relu', 'solver': 'adam', 'alpha': 0.0001, 'batch_size': 'auto', 'learning_rate': 'constant', 'learning_rate_init': 0.001, 'max_iter': 155, 'random_state': 2023} |
| | CatBoost | (depth=7, learning_rate=0.005, iterations=6248, max_bin=383, min_data_in_leaf=20, l2_leaf_reg=0.6887500276693759, subsample=0.7127716543175433, random_seed=2023) |

Supplementary Table 5. The training results of different MLAs

| Vegetation division | Algorithm | Train | | Validation | |
|---------------------|-------------------|--------|--------|------------|---------|
| | | R2 | RMSE | R2 | RMSE |
| CT | RF | 0.6102 | 4.6402 | 0.4394 | 25.6178 |
| | GBDT | 0.6463 | 4.5287 | 0.4398 | 25.6177 |
| | CatBoost | 0.7573 | 4.1219 | 0.4307 | 25.8266 |
| WT | RF | 0.9286 | 2.2631 | 0.6108 | 11.9231 |
| | LGBM | 0.8303 | 2.8096 | 0.6112 | 11.9211 |
| | CatBoost | 0.8309 | 2.8073 | 0.6085 | 11.9593 |
| QT | RF | 0.9326 | 4.7895 | 0.5135 | 56.7438 |
| | GBDT | 0.8846 | 5.4791 | 0.5430 | 55.6378 |
| | CatBoost | 0.9637 | 4.1029 | 0.5648 | 54.1309 |
| TM | HistGradientBoost | 0.8729 | 1.9054 | 0.8129 | 4.3884 |
| | GBDT | 0.9059 | 1.7673 | 0.8139 | 4.3779 |
| | CatBoost | 0.8969 | 1.8083 | 0.8202 | 4.3006 |
| TS | RF | 0.9068 | 3.2872 | 0.7365 | 18.0381 |
| | LightGBM | 0.8685 | 3.5823 | 0.7456 | 17.7228 |
| | CatBoost | 0.9375 | 2.9747 | 0.7493 | 17.5945 |
| TD | HistGradientBoost | 0.8555 | 4.8085 | 0.7125 | 32.2791 |
| | LightGBM | 0.9485 | 3.7154 | 0.7065 | 32.6168 |
| | CatBoostRegressor | 0.9834 | 2.8009 | 0.7235 | 31.5870 |
| TN | HistGradientBoost | 0.6581 | 4.0517 | 0.6246 | 17.1609 |
| | LightGBM | 0.8080 | 3.5072 | 0.6292 | 17.0570 |
| | CatBoost | 0.7633 | 3.6956 | 0.6198 | 17.2713 |
| SE | LightGBM | 0.7273 | 3.3467 | 0.6722 | 12.2440 |
| | MLP | 0.7013 | 3.4237 | 0.6571 | 12.5179 |
| | CatBoost | 0.7899 | 3.1354 | 0.6774 | 12.1481 |

Supplementary Table 6. Mean and standard deviation of forest age in provinces

| Province | Mean | S.D. |
|----------------|----------|----------|
| Anhui | 30.0438 | 13.18046 |
| Beijing | 23.72932 | 6.941676 |
| Chongqing | 44.21707 | 14.81873 |
| Fujian | 34.71088 | 14.08378 |
| Gansu | 62.91986 | 28.90555 |
| Guangdong | 32.2954 | 14.03617 |
| Guangxi | 35.98391 | 14.40237 |
| Guizhou | 38.97128 | 14.09774 |
| Hainan | 31.67802 | 14.70032 |
| Hebei | 20.04016 | 9.452565 |
| Heilongjiang | 76.63183 | 26.88827 |
| Henan | 26.42557 | 13.65384 |
| Hong Kong | 2.905065 | 3.205983 |
| Hubei | 44.2699 | 17.3144 |
| Hunan | 30.98115 | 11.84794 |
| Inner Mongolia | 95.71522 | 35.21181 |

| | | |
|----------|----------|----------|
| Jiangsu | 22.35844 | 11.39468 |
| Jiangxi | 34.05567 | 13.07562 |
| Jilin | 75.20958 | 26.22582 |
| Liaoning | 29.84999 | 21.79875 |
| Macao | 3.805029 | 2.552609 |
| Ningxia | 44.01774 | 22.64126 |
| Qinghai | 115.7855 | 47.51708 |
| Shaanxi | 52.42966 | 20.90854 |
| Shandong | 15.81338 | 6.811547 |
| Shanghai | 5.695209 | 3.581797 |
| Shanxi | 30.59349 | 11.17819 |
| Sichuan | 75.09604 | 32.48283 |
| Taiwan | 53.18191 | 20.35996 |
| Tianjin | 15.6741 | 6.724648 |
| Tibet | 83.86414 | 30.52417 |
| Xinjiang | 103.28 | 50.83277 |
| Yunnan | 54.69701 | 21.25958 |
| Zhejiang | 35.3726 | 13.07106 |

Supplementary Table 7. Mean and standard deviation of forest age in eight vegetation zones

| Vegetation zone | Mean | S.D. |
|-----------------|----------|----------|
| CT | 106.6109 | 24.25592 |
| WT | 27.47919 | 13.87375 |
| QT | 136.9514 | 36.23872 |
| TM | 52.04598 | 26.27037 |
| TS | 106.0278 | 56.54841 |
| TD | 59.32036 | 33.32852 |
| TN | 67.25398 | 22.54142 |
| SE | 48.23603 | 26.65255 |

Supplementary Table 8. Field measurements of forest age collected from published papers

| ID | Longitude | Latitude | Year | Mean age (2020) | Reference |
|----|-----------|----------|-----------|-----------------|---------------------|
| 1 | 23.2450 | 113.4210 | 2020 | 6 | Chen et al., (2022) |
| 2 | 23.2260 | 113.3930 | 2020 | 10 | Chen et al., (2022) |
| 3 | 23.2560 | 113.4190 | 2020 | 15 | Chen et al., (2022) |
| 4 | 23.2120 | 113.3940 | 2020 | 20 | Chen et al., (2022) |
| 5 | 23.2550 | 113.3810 | 2020 | 30 | Chen et al., (2022) |
| 6 | 24.5200 | 114.4300 | 2010-2011 | 40 | Di Y et al. (2012) |
| 7 | 26.8814 | 117.9353 | 2017 | 10 | Feng et al., (2021) |
| 8 | 30.0800 | 110.5600 | 2010 | 40 | Hu et al., (2012) |
| 9 | 31.4300 | 110.3500 | 2010 | 45 | Hu et al., (2012) |
| 10 | 23.4800 | 100.5300 | 2013 | 67 | Li et al. (2015) |
| 11 | 23.0502 | 109.3289 | 2021 | 3 | Li et al., (2021) |
| 12 | 23.0535 | 109.3329 | 2021 | 8 | Li et al., (2021) |
| 13 | 23.1118 | 109.2420 | 2021 | 18 | Li et al., (2021) |

| | | | | | |
|----|---------|----------|-----------|-----|---------------------|
| 14 | 23.0533 | 109.1602 | 2021 | 21 | Li et al., (2021) |
| 15 | 25.3300 | 114.5700 | 2012 | 53 | Qiu et al., (2020) |
| 16 | 25.3300 | 114.5700 | 2012 | 53 | Qiu et al., (2020) |
| 17 | 25.3300 | 114.5700 | 2012 | 36 | Qiu et al., (2020) |
| 18 | 22.0483 | 110.4658 | 2020 | 5 | Song et al., (2021) |
| 19 | 21.9192 | 110.5008 | 2020 | 15 | Song et al., (2021) |
| 20 | 22.0222 | 110.5003 | 2020 | 5 | Song et al., (2021) |
| 21 | 36.4200 | 109.5300 | 2013 | 79 | Sun et al., (2020) |
| 22 | 23.7700 | 101.2700 | 2013 | 22 | Tong et al. (2013) |
| 23 | 23.7700 | 101.2700 | 2013 | 37 | Tong et al. (2013) |
| 24 | 23.9000 | 101.2700 | 2013 | 52 | Tong et al. (2013) |
| 25 | 28.6017 | 104.5672 | 2011 | 26 | Wu et al. (2023) |
| 26 | 28.6093 | 104.5769 | 2015 | 13 | Wu et al. (2023) |
| 27 | 22.0263 | 106.9073 | 2013 | 30 | Wu et al. (2023) |
| 28 | 22.0243 | 106.9102 | 2013 | 30 | Wu et al. (2023) |
| 29 | 22.0264 | 106.9132 | 2013 | 30 | Wu et al. (2023) |
| 30 | 22.8667 | 108.1667 | 2012 | 25 | Wu et al. (2023) |
| 31 | 21.9667 | 109.2833 | 2012 | 30 | Wu et al. (2023) |
| 32 | 26.6993 | 109.6076 | 2010 | 23 | Wu et al. (2023) |
| 33 | 26.7003 | 109.6077 | 2010 | 23 | Wu et al. (2023) |
| 34 | 24.7633 | 109.8933 | 2012 | 21 | Wu et al. (2023) |
| 35 | 34.0909 | 110.4029 | 2012 | 25 | Wu et al. (2023) |
| 36 | 30.9189 | 110.6969 | 2015 | 30 | Wu et al. (2023) |
| 37 | 27.2938 | 112.8481 | 2013 | 18 | Wu et al. (2023) |
| 38 | 27.2943 | 112.8486 | 2013 | 17 | Wu et al. (2023) |
| 39 | 27.3545 | 113.3865 | 2013 | 21 | Wu et al. (2023) |
| 40 | 26.8139 | 117.5247 | 2014 | 27 | Wu et al. (2023) |
| 41 | 26.8072 | 117.5408 | 2014 | 20 | Wu et al. (2023) |
| 42 | 52.9783 | 122.5456 | 2010 | 36 | Wu et al. (2023) |
| 43 | 25.9500 | 108.3700 | 2017 | 36 | Zhou et al., 2018 |
| 44 | 18.7400 | 108.8500 | 2011-2016 | 59 | Zhu et al. (2017) |
| 45 | 24.4500 | 113.6800 | 2011-2016 | 52 | Zhu et al. (2017) |
| 46 | 24.8900 | 113.0300 | 2011-2016 | 49 | Zhu et al. (2017) |
| 47 | 24.9600 | 112.9600 | 2011-2016 | 98 | Zhu et al. (2017) |
| 48 | 25.3200 | 114.1500 | 2011-2016 | 71 | Zhu et al. (2017) |
| 49 | 25.7100 | 100.0400 | 2011-2016 | 56 | Zhu et al. (2017) |
| 50 | 25.7200 | 100.0500 | 2011-2016 | 85 | Zhu et al. (2017) |
| 51 | 25.7200 | 100.0500 | 2011-2016 | 108 | Zhu et al. (2017) |
| 52 | 25.8300 | 111.6500 | 2011-2016 | 31 | Zhu et al. (2017) |
| 53 | 25.8000 | 112.8700 | 2011-2016 | 26 | Zhu et al. (2017) |
| 54 | 25.6800 | 118.1900 | 2011-2016 | 40 | Zhu et al. (2017) |
| 55 | 26.1700 | 106.6500 | 2011-2016 | 45 | Zhu et al. (2017) |
| 56 | 26.5800 | 116.3400 | 2011-2016 | 61 | Zhu et al. (2017) |
| 57 | 27.0200 | 111.3400 | 2011-2016 | 40 | Zhu et al. (2017) |
| 58 | 27.0100 | 117.0700 | 2011-2016 | 64 | Zhu et al. (2017) |
| 59 | 27.8400 | 98.6800 | 2011-2016 | 41 | Zhu et al. (2017) |
| 60 | 27.9000 | 117.3600 | 2011-2016 | 84 | Zhu et al. (2017) |
| 61 | 27.9200 | 117.3500 | 2011-2016 | 93 | Zhu et al. (2017) |
| 62 | 27.7300 | 117.6300 | 2011-2016 | 74 | Zhu et al. (2017) |

| | | | | | |
|----|---------|----------|-----------|-----|-------------------|
| 63 | 27.6000 | 117.4600 | 2011-2016 | 54 | Zhu et al. (2017) |
| 64 | 28.2900 | 99.1600 | 2011-2016 | 114 | Zhu et al. (2017) |
| 65 | 28.1100 | 117.0000 | 2011-2016 | 63 | Zhu et al. (2017) |
| 66 | 29.1000 | 115.5700 | 2011-2016 | 56 | Zhu et al. (2017) |
| 67 | 28.9300 | 118.0600 | 2011-2016 | 88 | Zhu et al. (2017) |
| 68 | 29.2400 | 118.1000 | 2011-2016 | 78 | Zhu et al. (2017) |
| 69 | 29.2200 | 119.5200 | 2011-2016 | 60 | Zhu et al. (2017) |
| 70 | 30.0300 | 102.8300 | 2011-2016 | 54 | Zhu et al. (2017) |
| 71 | 29.7700 | 110.0900 | 2011-2016 | 94 | Zhu et al. (2017) |
| 72 | 31.1700 | 102.9900 | 2011-2016 | 69 | Zhu et al. (2017) |
| 73 | 31.3500 | 102.8300 | 2011-2016 | 69 | Zhu et al. (2017) |
| 74 | 31.5100 | 110.4300 | 2011-2016 | 94 | Zhu et al. (2017) |
| 75 | 32.2200 | 102.6100 | 2011-2016 | 78 | Zhu et al. (2017) |
| 76 | 34.0500 | 107.7000 | 2011-2016 | 84 | Zhu et al. (2017) |
| 77 | 34.0700 | 107.6900 | 2011-2016 | 64 | Zhu et al. (2017) |
| 78 | 33.9300 | 112.1600 | 2011-2016 | 38 | Zhu et al. (2017) |
| 79 | 34.4800 | 110.5700 | 2011-2016 | 32 | Zhu et al. (2017) |
| 80 | 36.3100 | 118.0500 | 2011-2016 | 47 | Zhu et al. (2017) |
| 81 | 37.2600 | 122.4600 | 2011-2016 | 48 | Zhu et al. (2017) |
| 82 | 37.8600 | 111.4600 | 2011-2016 | 52 | Zhu et al. (2017) |
| 83 | 39.9900 | 115.0200 | 2011-2016 | 72 | Zhu et al. (2017) |
| 84 | 39.9500 | 115.4300 | 2011-2016 | 79 | Zhu et al. (2017) |
| 85 | 39.9600 | 115.4300 | 2011-2016 | 79 | Zhu et al. (2017) |
| 86 | 40.5700 | 115.7700 | 2011-2016 | 41 | Zhu et al. (2017) |
| 87 | 40.3900 | 117.4600 | 2011-2016 | 30 | Zhu et al. (2017) |
| 88 | 40.3100 | 117.5700 | 2011-2016 | 45 | Zhu et al. (2017) |
| 89 | 41.2700 | 125.4100 | 2011-2016 | 52 | Zhu et al. (2017) |
| 90 | 42.2000 | 127.5100 | 2011-2016 | 67 | Zhu et al. (2017) |
| 91 | 42.8100 | 127.9100 | 2011-2016 | 99 | Zhu et al. (2017) |
| 92 | 44.4900 | 81.2600 | 2011-2016 | 153 | Zhu et al. (2017) |
| 93 | 44.7800 | 129.2400 | 2011-2016 | 72 | Zhu et al. (2017) |
| 94 | 45.3800 | 127.6000 | 2011-2016 | 63 | Zhu et al. (2017) |
| 95 | 46.4700 | 131.1100 | 2011-2016 | 89 | Zhu et al. (2017) |
| 96 | 47.6700 | 128.0700 | 2011-2016 | 57 | Zhu et al. (2017) |
| 97 | 47.9900 | 88.2600 | 2011-2016 | 46 | Zhu et al. (2017) |
| 98 | 51.7800 | 123.0200 | 2011-2016 | 109 | Zhu et al. (2017) |
| 99 | 52.8200 | 123.2400 | 2011-2016 | 100 | Zhu et al. (2017) |
