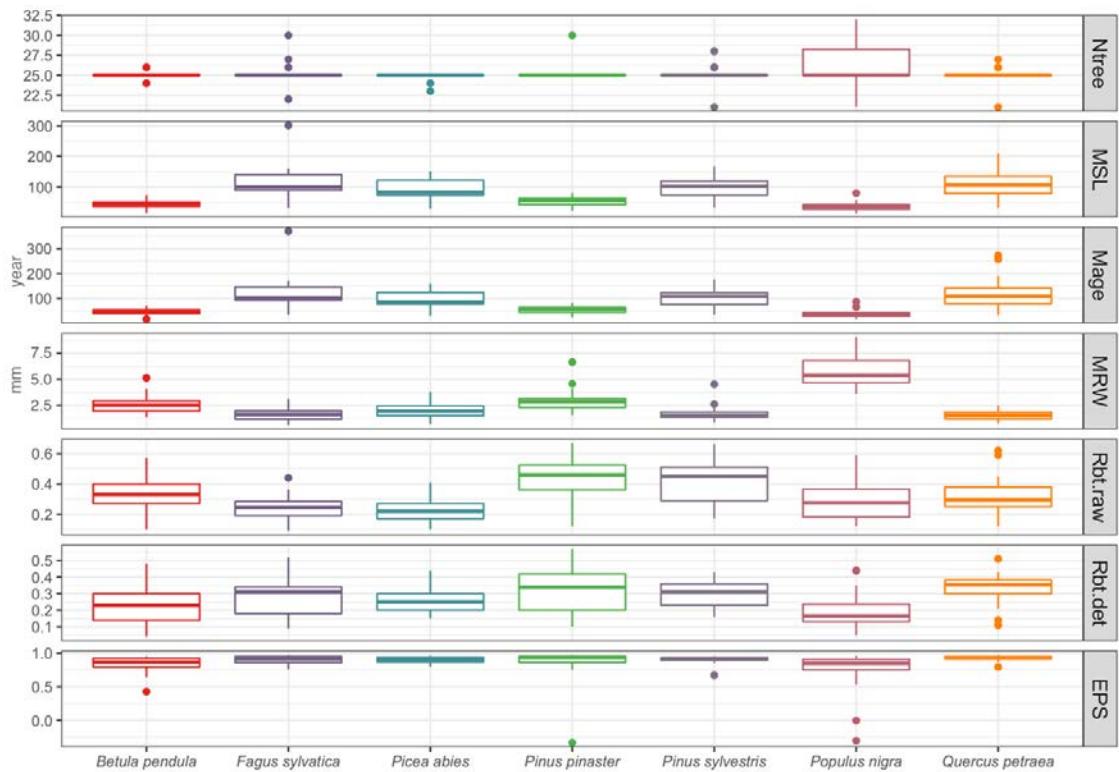


# **The GenTree Dendroecological Collection, tree-ring and wood density data from seven tree species across Europe**

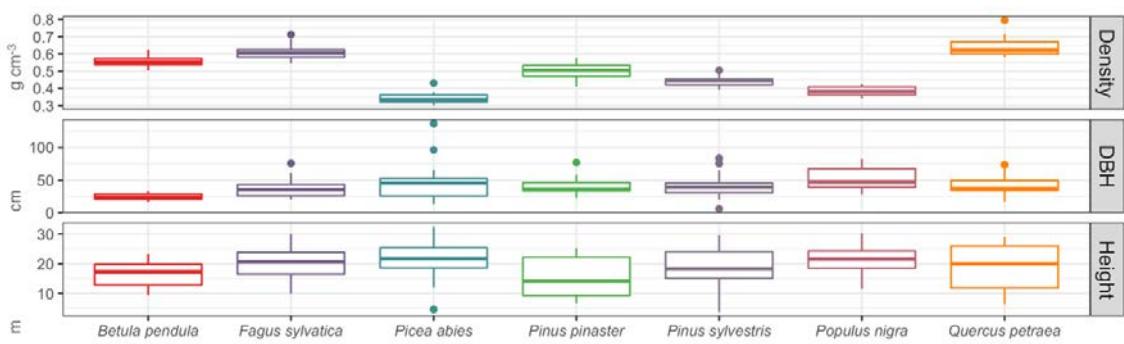
Elisabet Martínez-Sancho<sup>1\*</sup>, Lenka Slámová<sup>1</sup>, Sandro Morganti<sup>1</sup>, Claudio Grefen<sup>2</sup>, Barbara Carvalho<sup>3</sup>, Benjamin Dauphin<sup>1</sup>, Christian Rellstab<sup>1</sup>, Felix Gugerli<sup>1</sup>, Lars Opgenoorth<sup>2</sup>, Katrin Heer<sup>2</sup>, Florian Knutzen<sup>4</sup>, Georg von Arx<sup>1</sup>, Fernando Valladares<sup>3</sup>, Stephen Cavers<sup>5</sup>, Bruno Fady<sup>6</sup>, Ricardo Alía<sup>7</sup>, Filippou Aravanopoulos<sup>8</sup>, Camilla Avanzi<sup>9</sup>, Francesca Bagnoli<sup>9</sup>, Evangelos Barbas<sup>8</sup>, Catherine Bastien<sup>10</sup>, Raquel Benavides<sup>3</sup>, Frédéric Bernier<sup>11</sup>, Guillaume Bodineau<sup>10</sup>, Cristina C. Bastias<sup>3</sup>, Jean-Paul Charpentier<sup>10</sup>, José M. Climent<sup>7</sup>, Marianne Corréard<sup>6</sup>, Florence Courdier<sup>6</sup>, Darius Danusevicius<sup>12</sup>, Anna-Maria Farsakoglou<sup>8</sup>, José M. García del Barrio<sup>7</sup>, Olivier Gilg<sup>6</sup>, Santiago C. González-Martínez<sup>11</sup>, Alan Gray<sup>5</sup>, Christoph Hartleitner<sup>13</sup>, Agathe Hurel<sup>11</sup>, Arnaud Jouineau<sup>6</sup>, Katri Kärkkäinen<sup>14</sup>, Sonja Kujala<sup>14</sup>, Mariaceleste Labriola<sup>9</sup>, Martin Lascoux<sup>15</sup>, Marlène Lefebvre<sup>10</sup>, Vincent Lejeune<sup>10</sup>, Mirko Liesebach<sup>16</sup>, Ermioni Malliarou<sup>8</sup>, Nicolas Mariotte<sup>6</sup>, Silvia Matesanz<sup>17</sup>, Tor Myking<sup>18</sup>, Eduardo Notivol<sup>19</sup>, Birte Pakull<sup>16</sup>, Andrea Piotti<sup>9</sup>, Mehdi Pringarbe<sup>6</sup>, Tanja Pyhäjärvi<sup>20</sup>, Annie Raffin<sup>11</sup>, José A. Ramírez-Valiente<sup>7</sup>, Kurt Ramskogler<sup>13</sup>, Juan J. Robledo-Arnuncio<sup>7</sup>, Outi Savolainen<sup>20</sup>, Silvio Schueler<sup>21</sup>, Vladimir Semerikov<sup>22</sup>, Ilaria Spanu<sup>9</sup>, Jean Thévenet<sup>6</sup>, Mari Mette Tollefsrud<sup>17</sup>, Norbert Turion<sup>6</sup>, Dominique Veisse<sup>10</sup>, Giovanni Giuseppe Vendramin<sup>9</sup>, Marc Villar<sup>10</sup>, Johan Westin<sup>23</sup> and Patrick Fonti<sup>1</sup>

## **Supplementary information**



**Fig. S1.** Comparison of parameters and statistics related to ring width series among tree species.

Ntree, number of trees; MSL, mean series length; Mage, mean age; MRW, mean ring width; Rbt.raw, mean intercorrelation among raw series; Rbt.det, mean intercorrelation among detrended series; EPS, expressed population signal calculated for the common period, Mdensity; mean wood density. Note that EPS and Rbt.det have been calculated after applying a 32-year spline to raw series.



**Fig. S2.** Comparison of mean values for some tree-related parameters across tree species, obtained from the sampling sites. DBH, diameter at breast height.