# The Iberian vessel chronology network: Obtaining information from oak earlywood anatomy



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The use of the largest vessels is optimal to identify the influence of environmental variables on vessel size in many cases; therefore, only a small proportion of vessels is enough to unmask the prevailing signal





Considering vessel position, namely vessel row, is fundamental to optimize the environmental signal of earlywood vessels	
Vessel distribution usually differs between the first row and the other earlywood vessels	First row Other vessels
Responses of vessel size are mostly determined by the first row of earlywood vessels	Considering other rows usually lowers the signal, especially if large vessels are not filtered
Vessel number/density is mostly dependent on the rest of the vessels, and constant in the first row	All variables influenced by vessel number should be only considered for all earlywod vessels
"Intermediate" variables are more robust if conductivity is considered, due to the influence of large vessels	These variables can be useless if number and size are controlled by different factors







