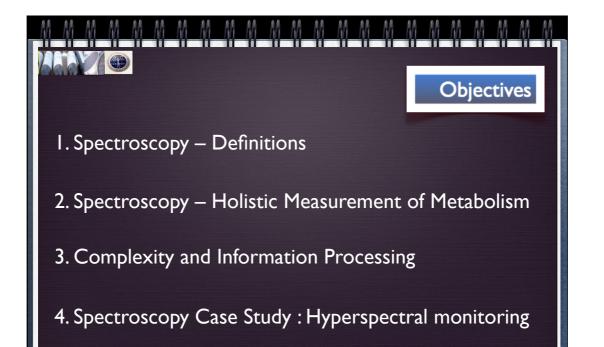
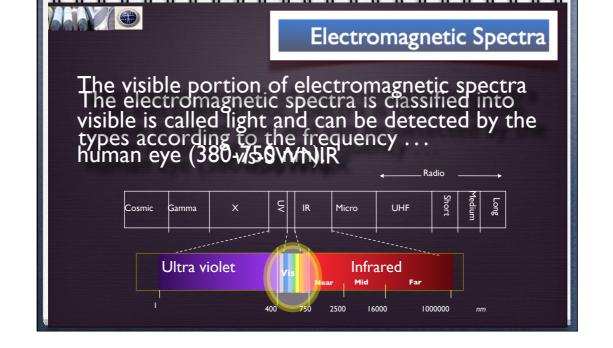
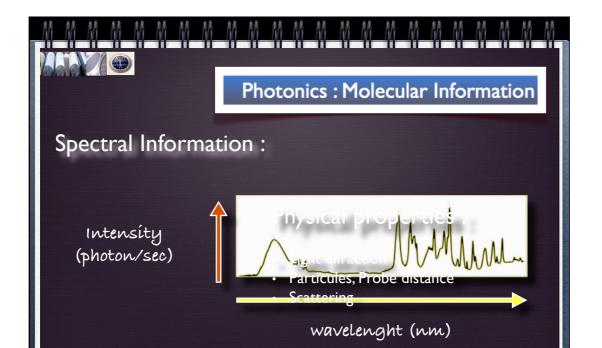


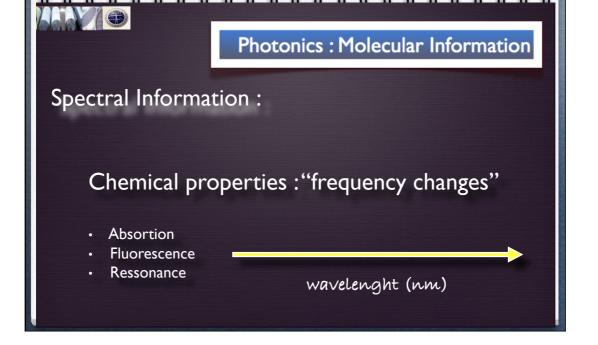
WinePAT : Facing the Complexity of Grape Quality Management and Delivering an High-throughput Device

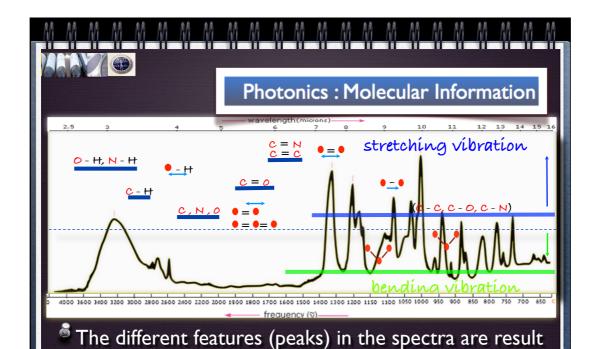
> <u>R. Martins,</u> V. V. Lopes, A. C. Silva Ferreira acterreira@esb.ucp.pt Universidade Católica Portuguesa, Porto, PORTUGAL

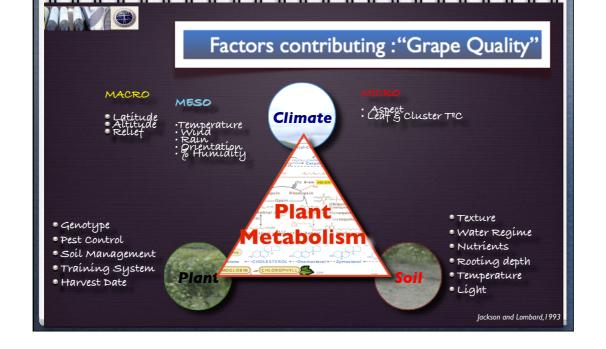


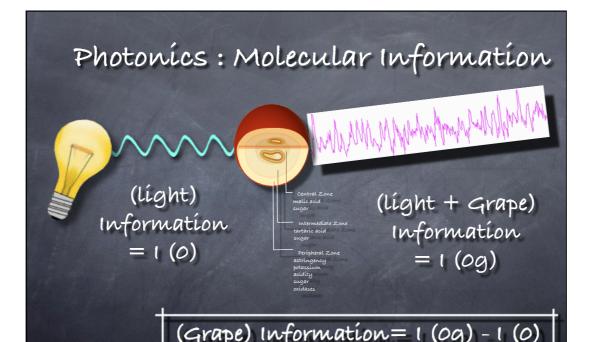


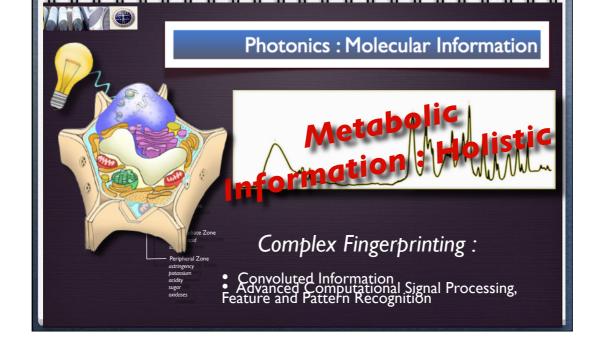




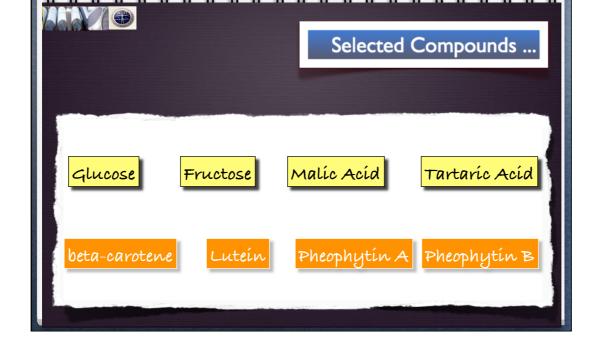




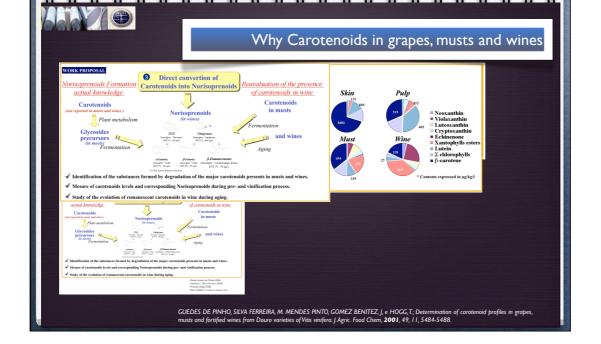


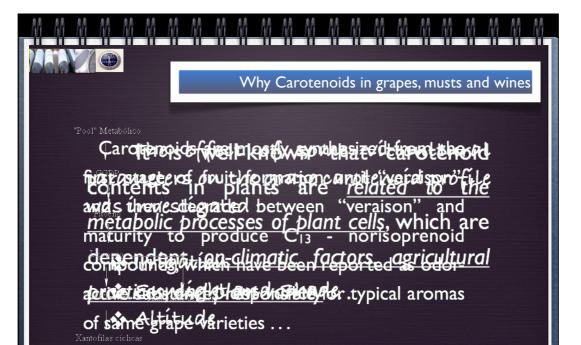


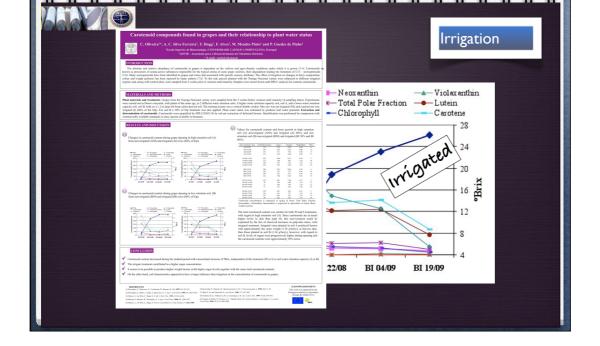


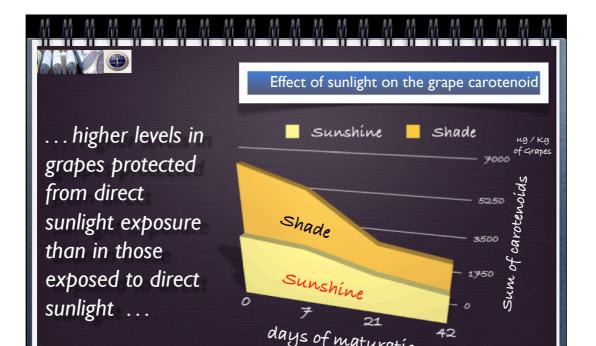


	<u> </u>
	Aroma Precursors : Carotenoids
luteína	flavoxantina "Cptuturque C
β,β-caroteno neocromo	Iuteína 5,6-epóxido   Iuteína 5,6-e
neoxantina	$\beta$ -criptoxantina, $\beta$ -criptoxantina, $\beta$
violaxantina	equinenona



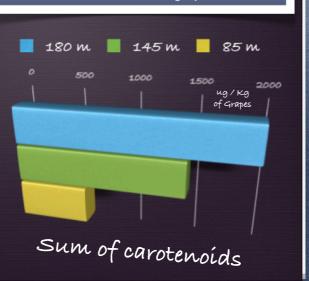


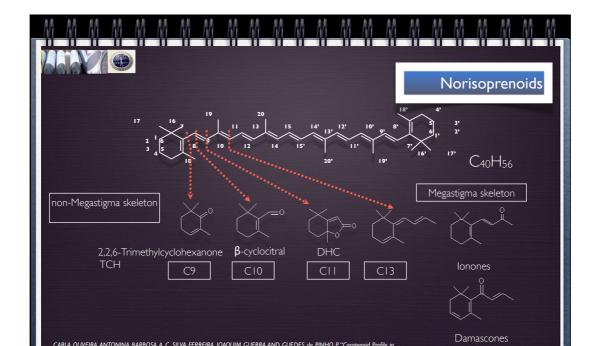


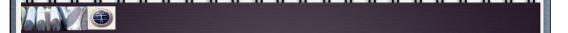


Effect of altitude on the grape carotenoid

... Altitude strongly affect climatic conditions due to it direct impact on T°C, humidity, and other environment factors that affect grape maturity ...







## High Resolution vis-SWNIR Imaging

"Non Target Metabolites"

