



"HARNESSTOM coordinator participates in the ROXYCOST annual meeting in Antalya"

The third annual meeting of the RoxyCost network (CA18210; <https://www.cost.eu/actions/CA18210/>) took place in Antalya Turkey from the 11 to the 14 of April 2023. The meeting was attended by over 60 participants from 22 countries. Harnesstom participation in this meeting was strategic in order now firsthand the latest progress in the field of oxygen-related processes in tomato and other systems and to establish connections with experts in the field. Why this interest of a tomato project like HARNESSTOM in oxygen? The reason is mainly related to the importance of controlling of the ripening process which is instrumental to maintaining high nutritional and sensory values and to reducing post-harvest losses. Post-harvest management of fruits relies on controlled or modified atmosphere and on packaging and are crucial aspects related to tomato and the optimal use of genetic resources. The recent discovery that factors involved in sensing low oxygen and oxidative stress are involved in ripening opens new avenues for research in controlling fruit quality via innovative breeding strategies and new dedicated technologies. By interacting with researchers from different disciplines, HARENSSTOM learned the major breakthroughs in the understanding of fruit physiology, thus providing new targets to control fruit quality and post-harvest shelf life that may eventually feed into the HARNESSTOMDB and be used in the HARNESSTOM prebreeding programs for fruit quality and increased tolerance to climate change stress conditions. By combining studies on different models RoxyCOST aims to provide advances that will translate into novel practices and technologies to improve fruit sensory and nutritional qualities that again HARNESSTOM partners would like to incorporate in their pipelines for present and future activities



Harnesstom coordinator during his presentation at the Roxycost meeting in ANTALYA 1 (CA18210 - Oxygen sensing a novel mean for biology and technology of fruit quality /Roxy-COST). Granell emphasized the huge genetic diversity of tomato has been hardly ever explored for tolerance to flooding, hypoxia or anoxia condition and presented different possibilities for interaction including training workshops for phenotyping or accessing info on tomato genetic resources.





Harnesstom coordinator with all participants at the 3rd Annual Meeting of RoxyCOST meeting in ANTALYA 1 (CA18210 - Oxygen sensing a novel mean for biology and technology of fruit quality /Roxy-COST)