**WP 1 - Preliminary studies regarding the selection of new strains of microorganisms (yeasts) from the Pietroasa vineyard for the evaluation of oenological characteristics -31.12.2021**

Act 1.1 - Isolation of microorganisms (yeasts) from the Pietroasa wine area

Act 1.2 - Original approaches for the selection of microorganisms, in order to obtain active dry yeasts

Act 1.3 - Testing of new yeasts identified in order to obtain active dry yeasts (partially)

**Estimated results:**

-Technical specifications of the raw materials used for vinification

-Yeast isolation report

- Screening report - ecological and genetic identification

 **Achived results:**

- Isolation in pure culture of strains of S*. cerevisiae and non-Saccharomyces* species, different from a metabolic point of view (biodiversity), was achieved.

- The yeasts were identified by different techniques that allowed the identification of *S. cerevisiae / non-Saccharomyces* of the strains.

-Yeasts were identified by classical techniques and molecular techniques Maldi-TOF and PCR and the qualitative potential of the grapes was established.

- The new yeasts identified were partially tested in order to obtain yeast biomass

- The web page of the project has been created



