TRAMO

15 February 2018



Project Partners:

- **Antica cantina Boido**
- **Capetti Elettronica S.r.l.**
- **Sinergo Soc. Coop.**

Research Organization:

- **Università degli studi del Piemonte orientale (UPO)**

Consultants:

- **Medea Technologies s.a.s**

Tramo project borns to protect the "Moscato Spumante" production, pride of Piemonte area.

The target is to, using analytical protocols, test the musts origin, to have the guarantee that the product is DOC-G certified.

The main problem is certainly linked to traceability and safety control.

The project is a traceability study, to be carried out by researching chemical markers (*trace elements, rare earths, isotopic ratios, NMR signals*) that links the final product, that is the "Moscato Spumante", with the origin territory.

Companies involved are **Antica Cantina Boido s.r.l.**, historical wine production company, **Capetti Elettronica**, specialized in wireless monitoring systems, Sinergo Soc. Coop., specialized in chemical-enological analysis (*Agrifood pole*).

Capetti Elettronica's role is to acquire and process field data, integrating the sensors for “in line” must analysis, inside wireless sensors and providing a hardware/software platform to process and record data.

The part devoted to chemical analysis is managed by Sinergo Soc. Coop., which carries out a series of chemical-enological tests on samples supplied by different Italian and foreign wine producers.
The target is to obtain a mass of data sufficient to process a standard analytical protocol, comparable with the obtained data, using **Capetti Elettronica**'s probes.

Antica Cantina Boido s.r.l. coordinates project activities and result communication, estabilish terrain, wine and must sample protocols, performs sample transport, supplies the support information system for managing data, designs data communication and transportation apps, supplies wine plants for experimental pilot installation.

Some institutions / companies support project players:

- The Università degli Studi del Piemonte Orientale (UPO), which deals with bioinorganic and analytical chemistry, specialized in food traceability field.
- Medea Technologies s.a.s., consulting company.