

Tomataki Milou (*Solanum lycopersicum*)

TRTH1770 and TRTH2150 (Rousiko) are two local tomato genotypes from Milos island in Greece. Both are established and grown for over 130 years in arid soils of Cyclades (an island group in the Aegean Sea).

Nutritional value

- High concentration of phytochemicals
- Good source of vitamin C and lycopene
- Minimal calories

Environmental impact

- Resilient
- Reduced water needs and intensive farming practices
- Maintaining yields in low-input farming
- Suitable for organic farming systems

Uses

Both genotypes are being used mainly after processing for the production of tomato paste (in Greek 'peltes') as well as for tomato juice and tomato spoon dessert.

Current status – Future perspectives

Milos Island in Greece. It could be extended in protected environments (greenhouse) from South to North Europe.



Picture 1: TRTH1770 inflorescence



Picture 2: TRTH2150 inflorescence

Tomataki Milou (*Solanum lycopersicum*)

Vertical Leader: Estonian University of Life Sciences (EMU)



Norwegian Institute of Bioeconomy Research
(NIBIO) - Norway



Ege University
(EGE) - Turkey

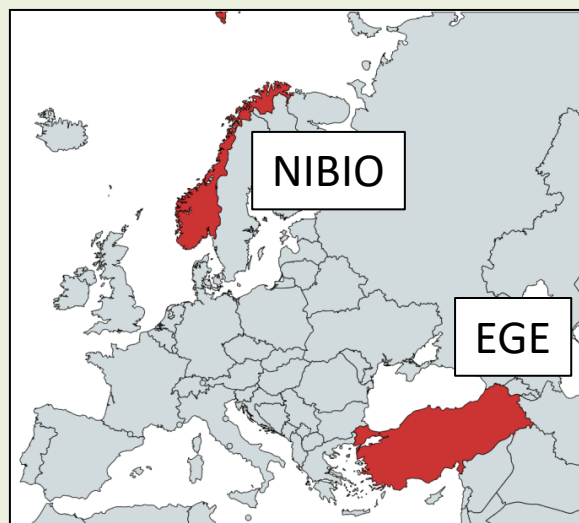
The two pilot cases' locations were selected for their high heterogeneity. The two locations can be compared with respect to different growing systems such as greenhouse versus field growth and conventional versus organic farming.

Norway (NIBIO) represents a region where vegetables have to be grown under cover in controlled conditions due to the harsh climate. However, tomato has relatively low light requirements, thus is an ideal candidate for northern European countries.

Turkey (EGE) is a typical Mediterranean country where environmental conditions are similar to the crops' location of origin (Milos island). This location is ideal to test the crop's adaptation to similar climatic conditions and to widen its distribution.

Project progress

Plants from the two genotypes are cultivated to acquire seeds for the establishment of the pilot cases, according to **Task 7.1**.



Picture 3: Pilot cases' locations



Picture 4: Plant cultivated for seed acquisition