

Scientific training for Master Degree students in Marine
Biology (Pilot area 2 – CASCADE project)

STUDY OF TRANSITIONAL ENVIRONMENTS BASED ON PHYTOPLANKTON AND ITS CHARACTERISTICS

November 3, 2022 (9,00 am – 5,00 pm)

Program

Sampling area #1: “Spiaggia Romea” village, north side of the Lake
of the Nazioni (FE) (brakish area)

10,00 am: Gathering in the village: introduction to the area

10,30 am: Water sampling from a small pier at two different distances from the shore
using different methods (phytoplankton net, Niskin bottle, integrated water
column sampler); acquisition of physical and chemical parameters (salinity,
temperature, dissolved oxygen, pH, chlorophyll fluorescence, irradiance);
subsampling in bottles for subsequent analysis of nutrients and for qualitative
and quantitative determination of phytoplankton.

1,00 pm: Transfer to the second site and lunch break

Sampling area #2: Lido di Volano pier (in the southern part of Goro
Lagoon) (FE) (marine area)

2,30 pm: Sampling of seawater at two different distances from the shore repeating the
activities performed in the morning