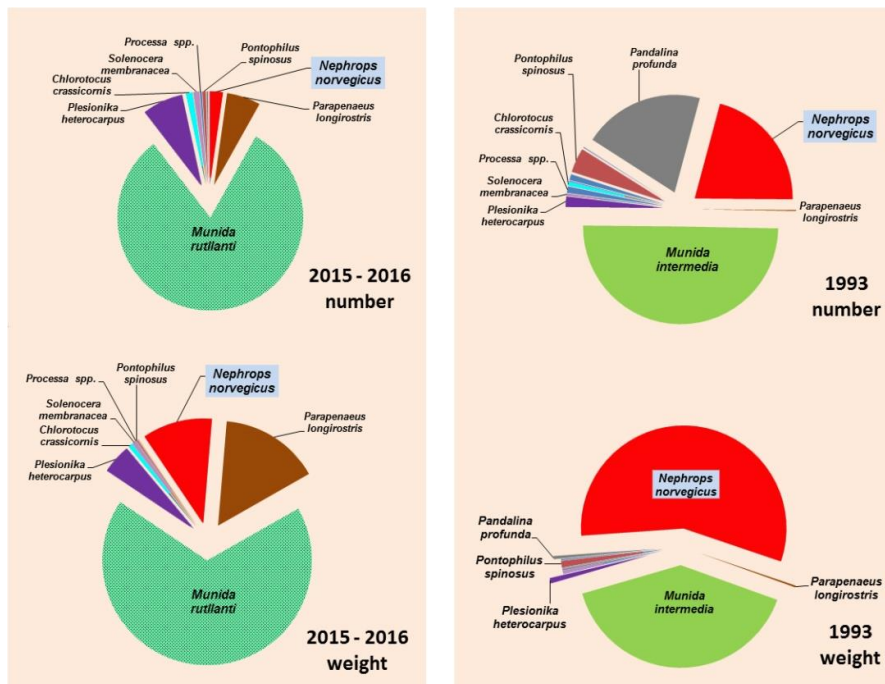


## Martedì 11 Luglio 2017 - ore 12 SALA RIUNIONI

### SEMINARIO



## LONG TERM CHANGES IN THE DECAPOD CRUSTACEANS ASSEMBLAGE IN THE WESTERN MESO-ADRIATIC DEPRESSION (POMO PIT)

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### ABSTRACT

The meso-Adriatic depression (Pomo pit) is the main *Nephrops* ground and the nursery ground for hake in the Adriatic GSA 17. It is heavily exploited by a large fleet of trawlers. The dramatic decrease in landings of the commercial fleet led in July 2015, to a 16 months ban of trawling to favor stocks recovery. To describe ongoing changes, data on the Decapods assemblage in the western basin of the Pomo pit, collected over 40 years of fishery investigations, and data on landings auctioned in San Benedetto del Tronto gross-market have been examined. Observed changes may be due to the synergic action of fishery and global change. High fishing effort affects, more severely, long lived, slow growing species, like *Nephrops norvegicus*. Global warming may favor thermophilic species and may affect quality of the near-bottom waters in the depression, periodically renewed by oxygenated dense waters, formed in the North Adriatic only in cold winters.