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# Plankton dynamics across the freshwater, transitional and marine research sites of the LTER-Italy Network. Patterns, fluctuations, drivers

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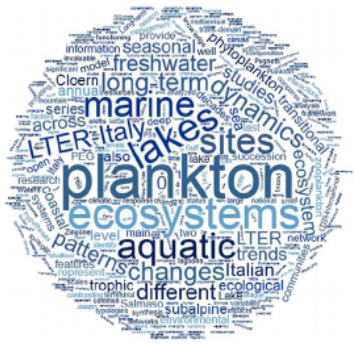
## HIGHLIGHTS

- This is the first synoptic study on plankton dynamics in LTER-Italy aquatic sites.
- We adopted a trans-domain approach, considering lakes, lagoons and coastal sea.
- We based our review on published studies, complemented with unpublished information.
- The plankton seasonal cycles presented site-specific patterns and commonalities.
- The long-term changes were mainly driven by climatic and anthropogenic drivers.

## GRAPHICAL ABSTRACT

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