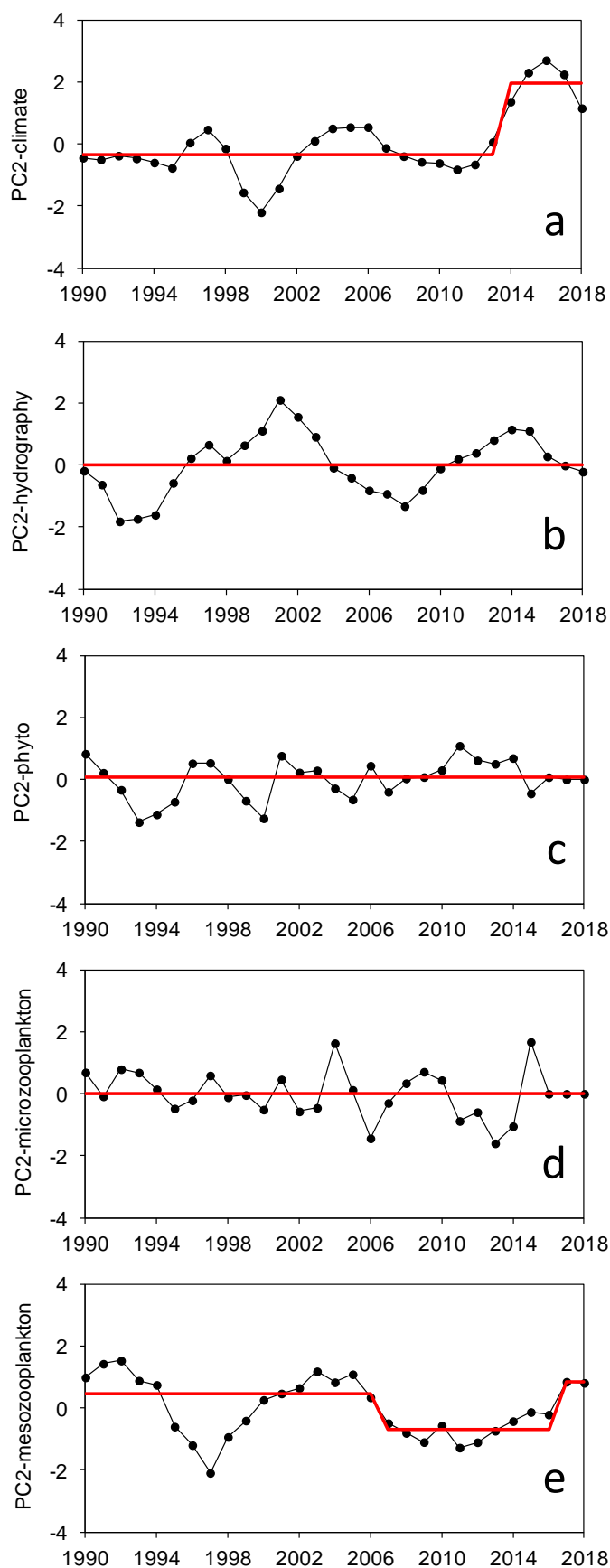
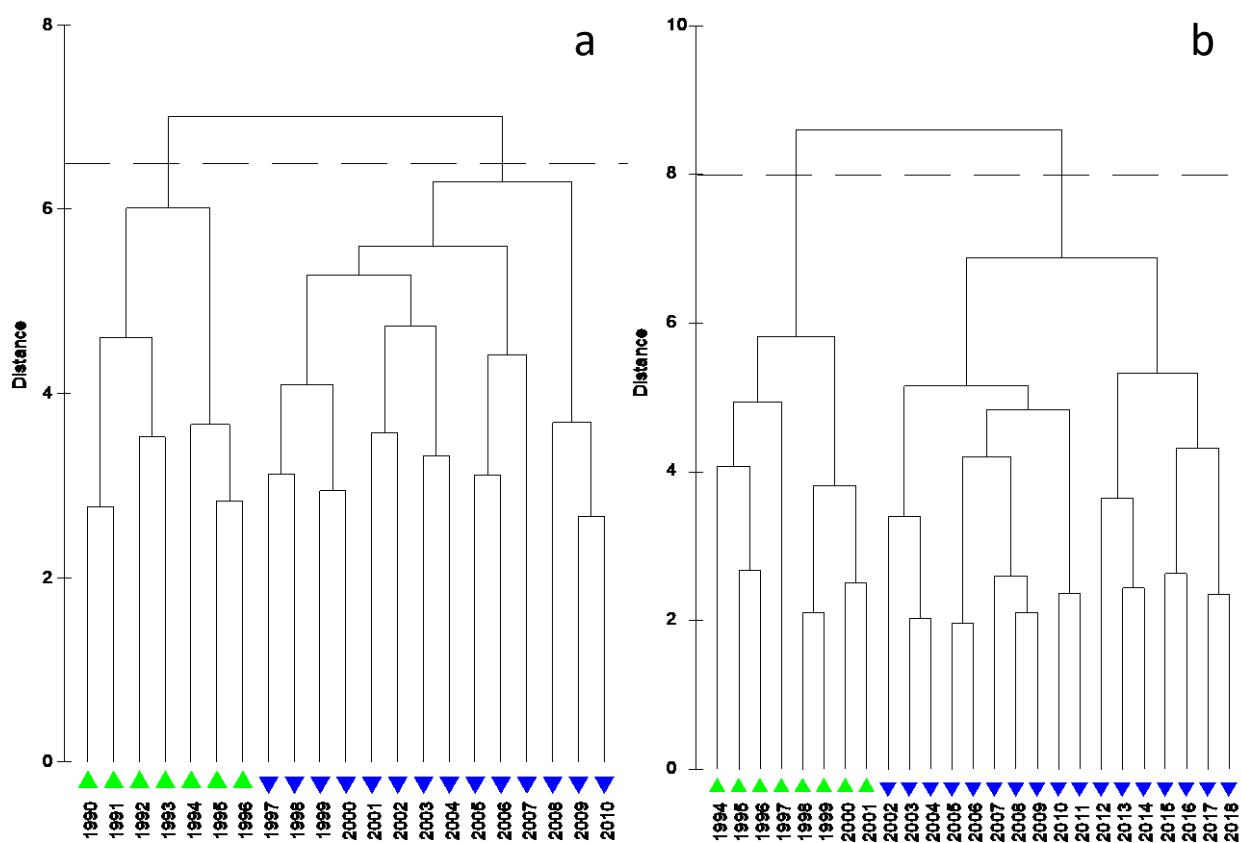


Supplementary Figure S1. Pearson's r correlations between series within each type. a: climate series, b: hydrography series, c: phytoplankton series, d: microzooplankton series; e: mesozooplankton series. The significant values ($p < 0.05$) are indicated by boxes. The shape of each ellipse is proportional to the value of r and its orientation indicates the positive (right) or negative (left) sign. The numbers in the rows and columns identify the series as listed in Supplementary Table S1.



Supplementary Figure S2. Time series of the second principal component of the PCA on each type of series. a: climate series, b: hydrography series, c: phytoplankton series, d: microzooplankton series; e: mesozooplankton series. The red line indicates the weighed means of the regimes determined with the Rodionov test (see Methods).



Supplementary Figure S3. Cluster of annual series of phytoplankton (a) or mesozooplankton taxa (b). The horizontal dashed line and the symbols indicate the main clusters indicated in Figure 5.