

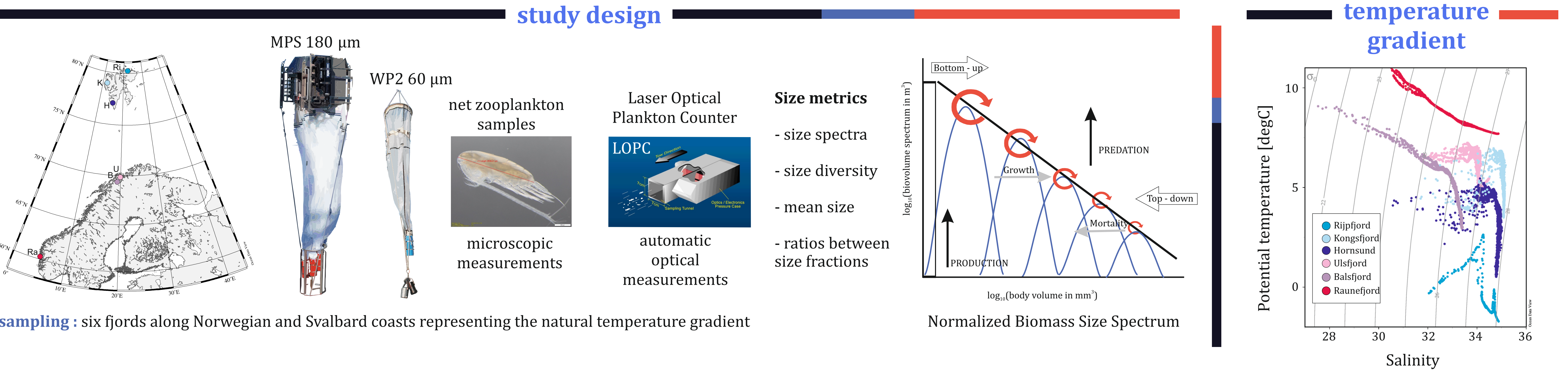
When the size spectrum reflects only a part of the story- zooplankton size structure along natural temperature gradient (60-80 °N)

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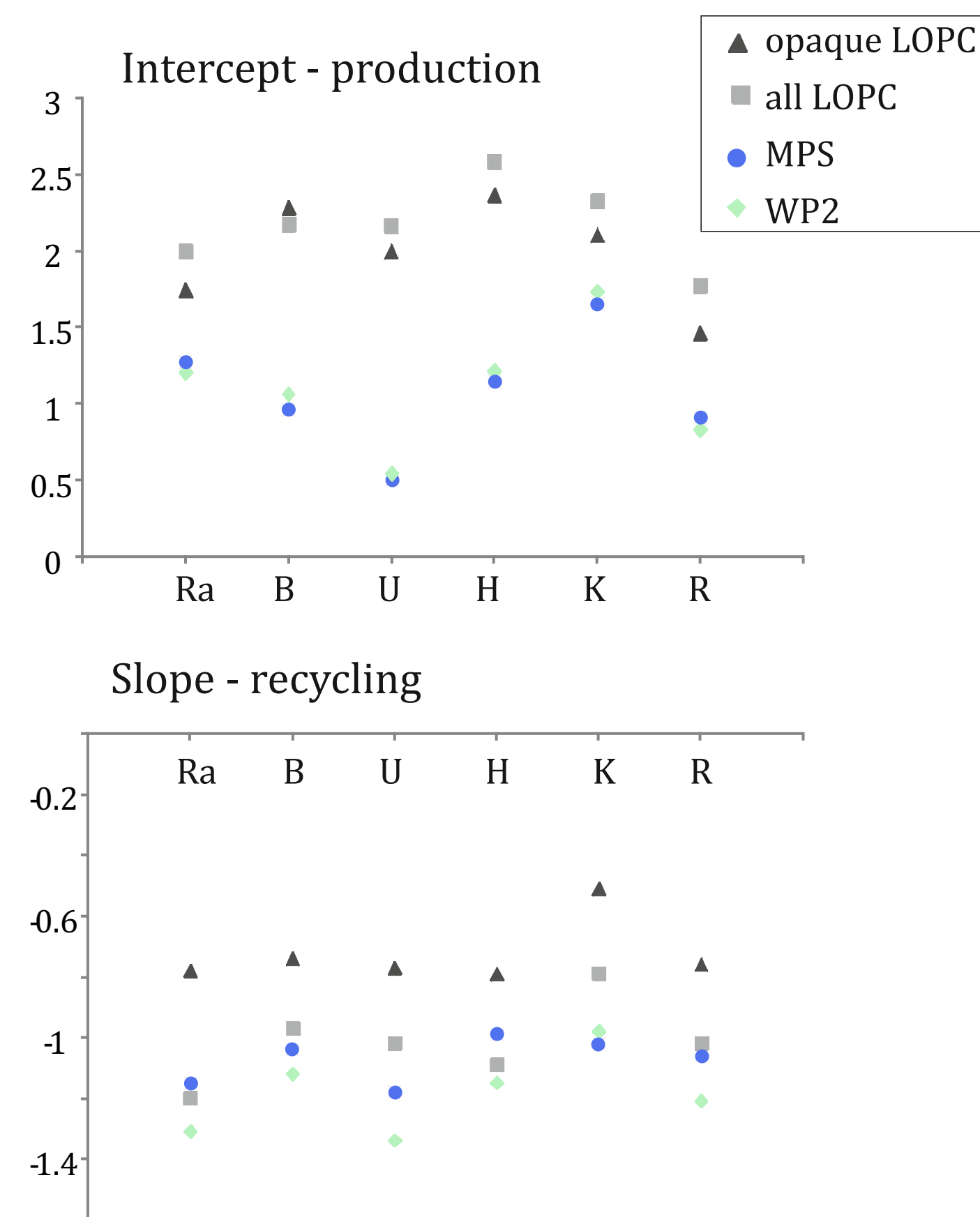
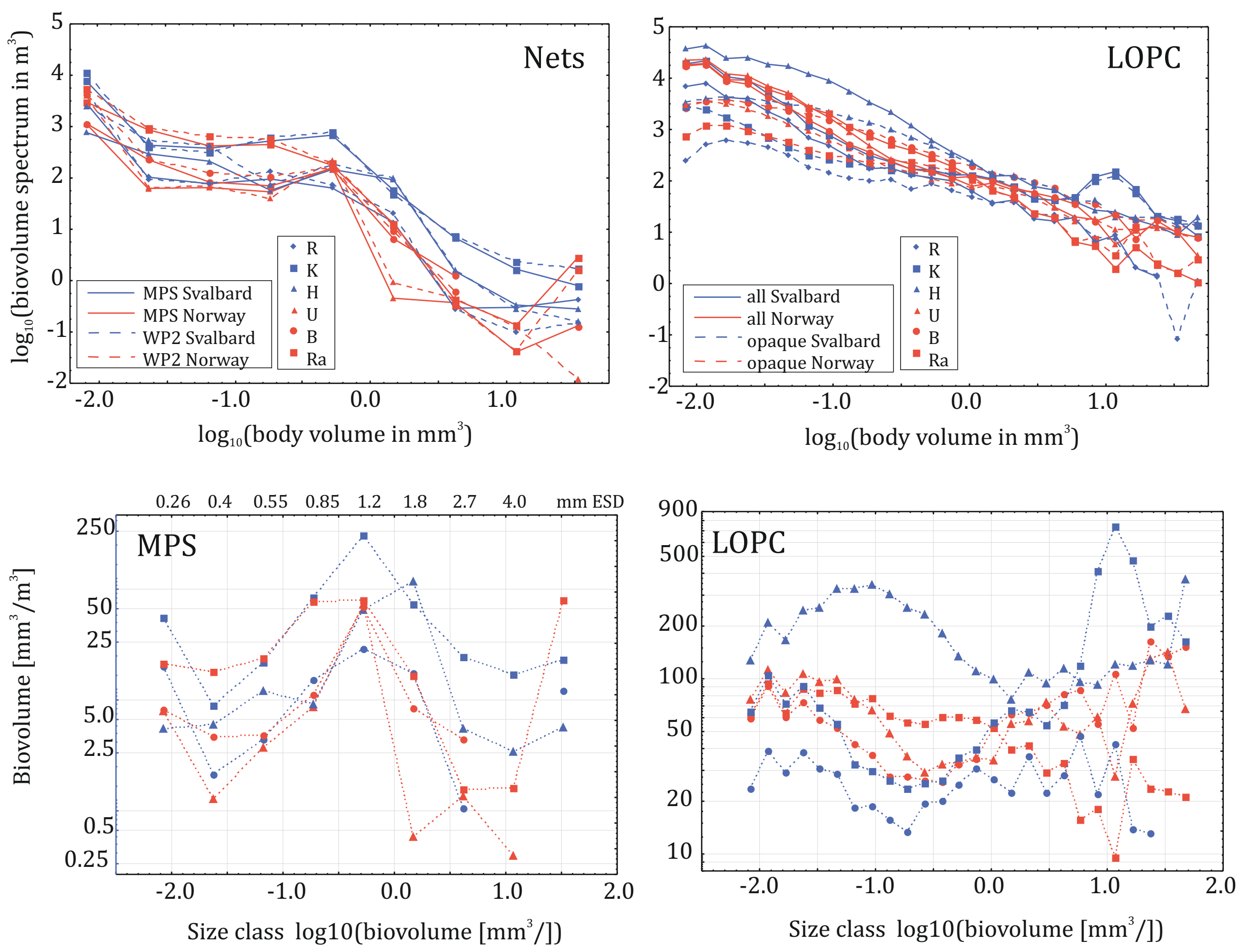
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goal: to examine the size response of zooplankton communities to temperature gradient in natural environments

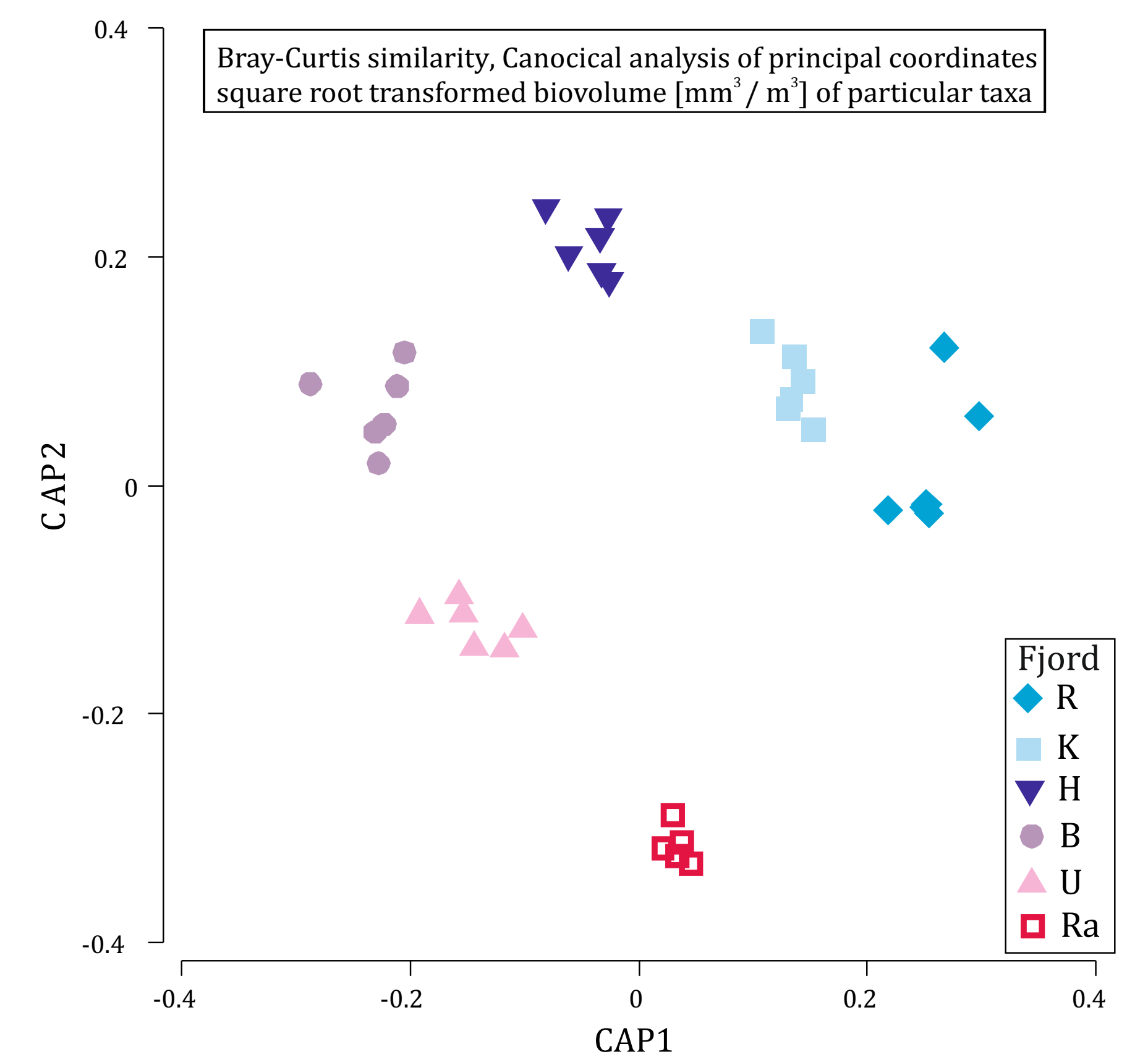


sampling: six fjords along Norwegian and Svalbard coasts representing the natural temperature gradient

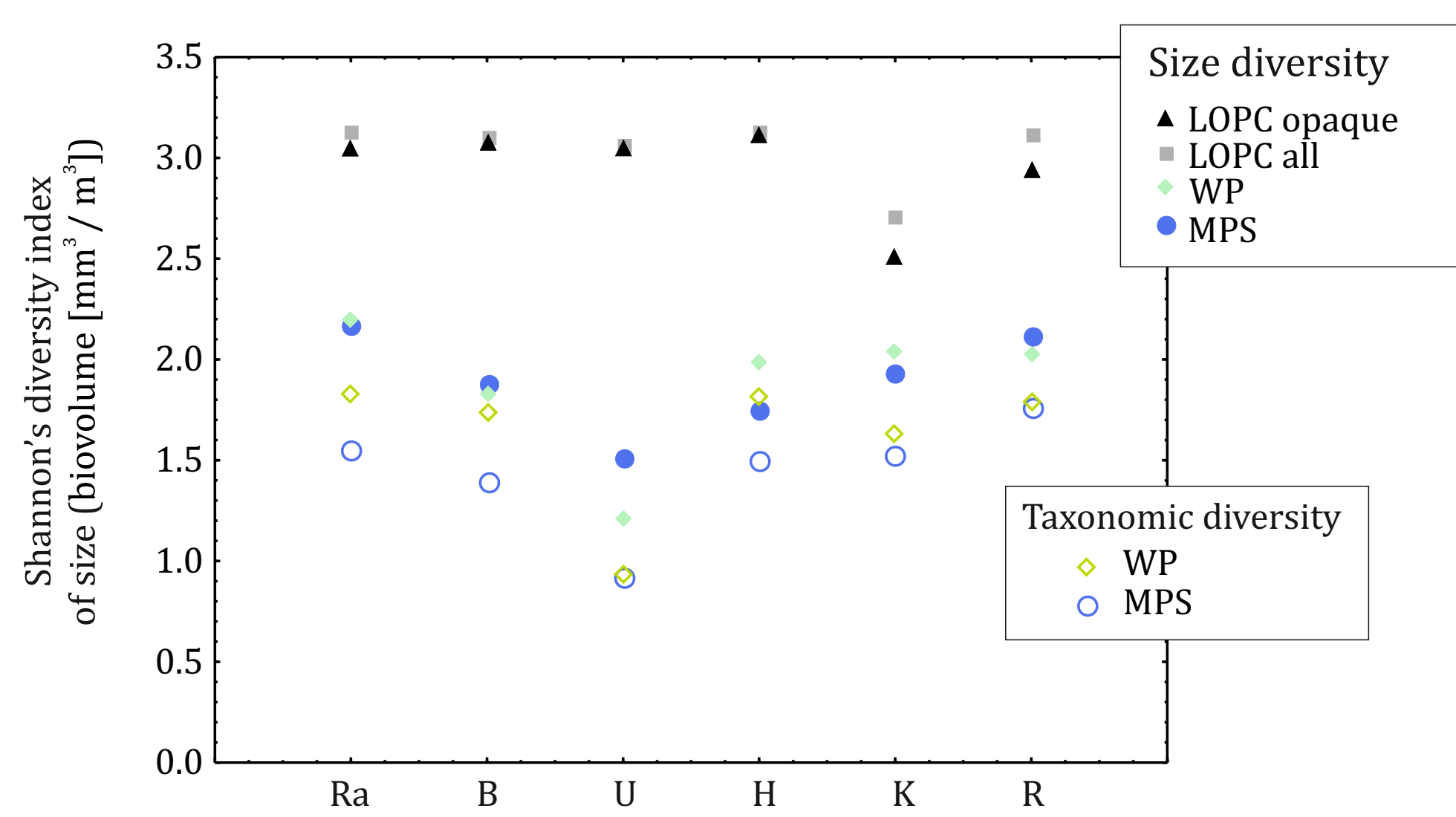
size spectra - no differences among fjords



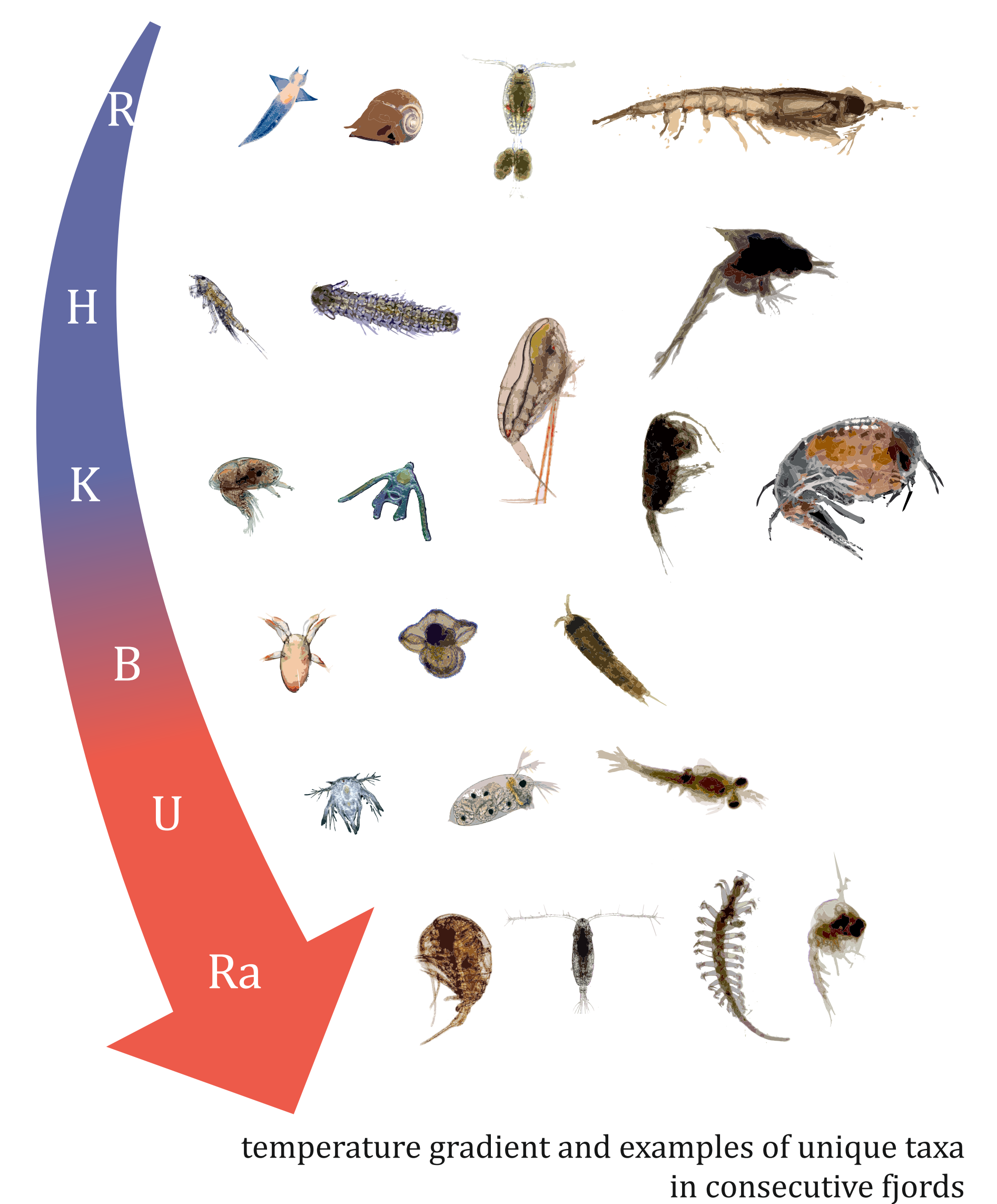
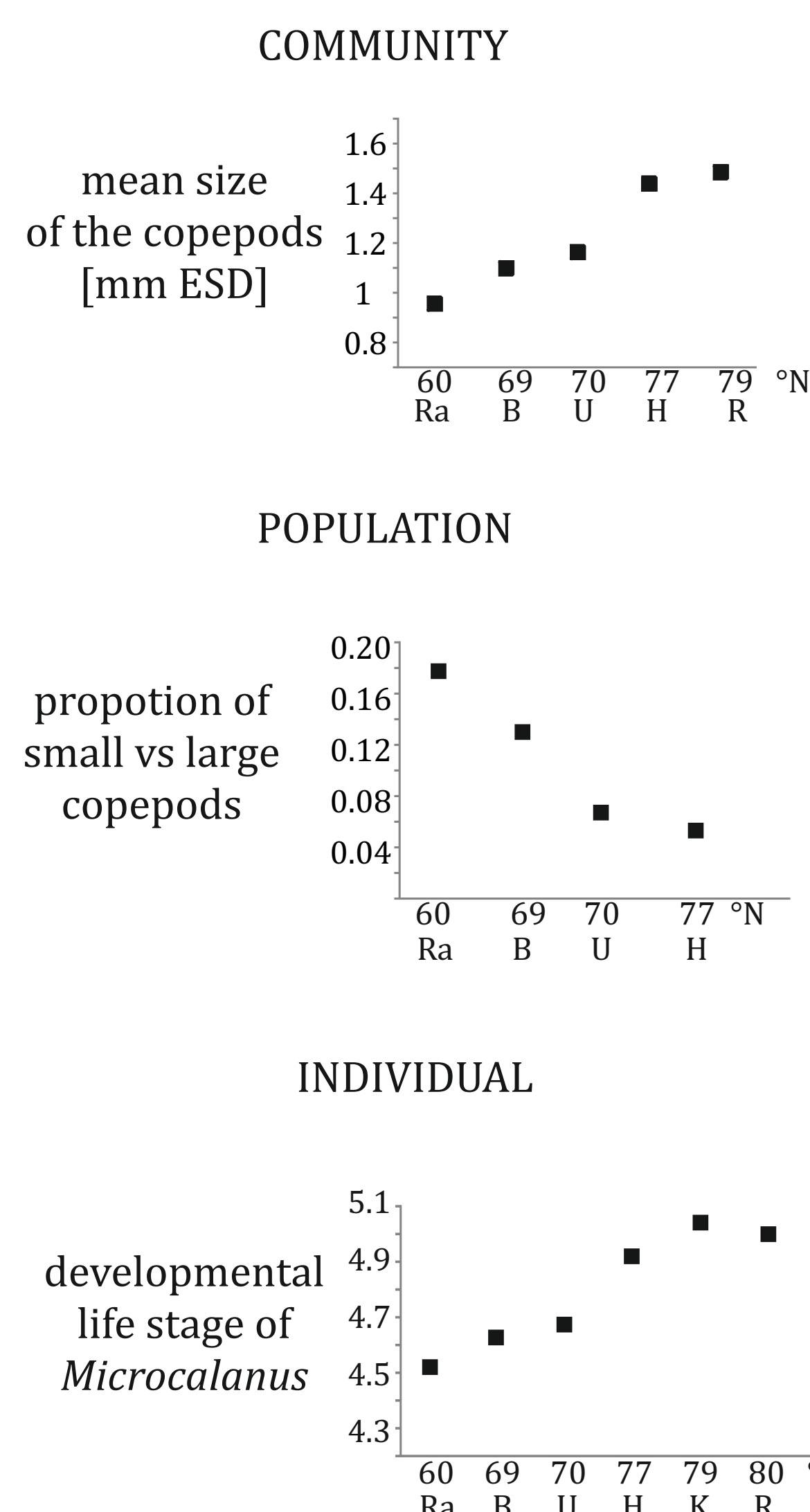
taxonomic composition - unique in particular fjords



size diversity - no differences among fjords



significant trends at different organisation levels



summary

Despite the fact that different methodological approaches provided various absolute values of analysed size metrics - the patterns and conclusion were the same, regardless of the method used

The striking regularity in size spectra points to the stability and sustainability of zooplankton communities in Atlantic domain fjords across the latitudinal gradient

Each fjord is a different life history theater - temperature has only a partial role to play

The decrease in size towards warmer regimes was observed in selected metrics at different organizations levels

