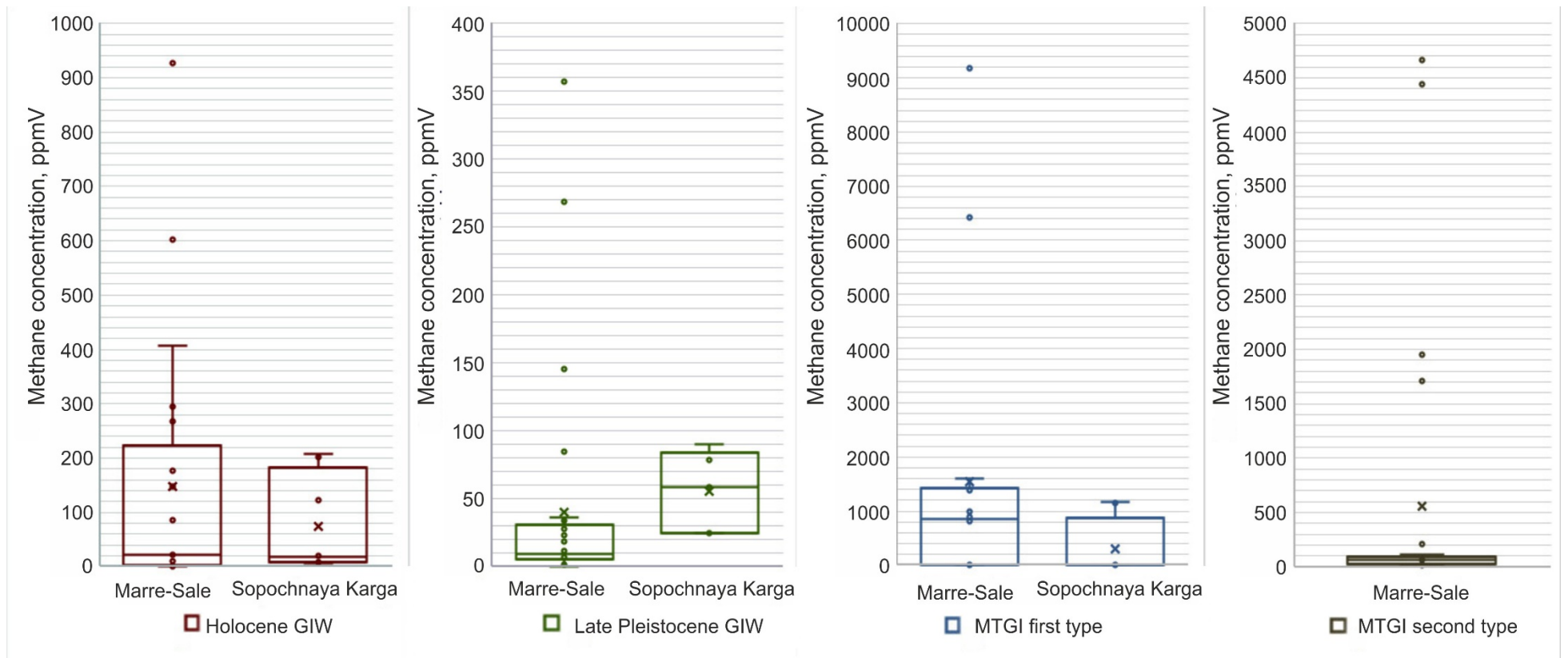


Supplementary Figure 1. Methane concentration in typical permafrost sediments of the study region (presented as box-plots).



Supplementary Figure 2. Methane concentration in air bubbles of ground ice wedges (GIW) and massive tabular ground ice (MTGI) of Marre-Sale and Sopochnaya Karga (presented as box-plots).