**Perlite deposits of the Central Slovakia Volcanic Field (Western Carpathians): Geology and properties**

**Electronic supplement 8: Plots of perlite and glass compositions**

To eliminate influence of hydration water content on oxides and elements concentrations analyses were recalculated to 100 % dry (water free basis) prior to the construction of plots. Corresponding analyses are in the El. Suppl. 6 and 7. Concentrations of oxides are given in weight %, concentration of trace elements in ppm. Water concentration represents LOI in the case of perlites and 100 % minus analytical sum in the case of microprobe analyses of glass.

Selected plots include projection points of the Jastrabá Formation rhyolites to enable a comparison of perlite compositions with composition of rhyolites. These come from the work of Demko (in Demko et al. 2010). Analyses of rhyolites have been carried out in another laboratory and by different analytical methods – a systematic shift in the oxides and elements concentrations cannot be excluded. Those with an obvious shift have not been plotted.

For all of the plots we use a uniform legend:

LpB grey porous – grey, porous to pumiceous perlites of the Lehôtka pod Brehmi deposit

GlLpB grey porous – glass of these perlites

LpB dark dense – dark to black dense perlites of the Lehôtka pod Brehmi deposit

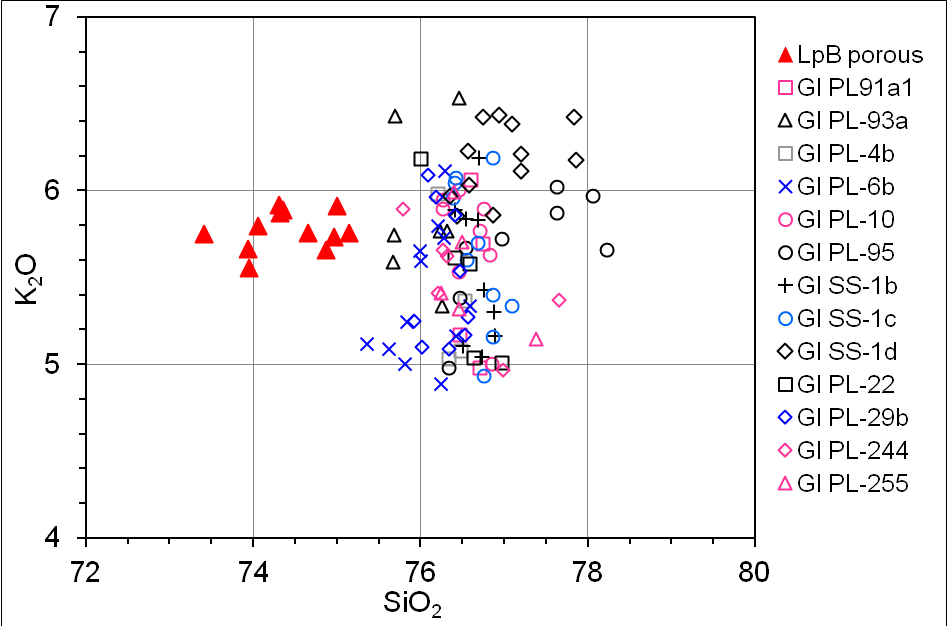
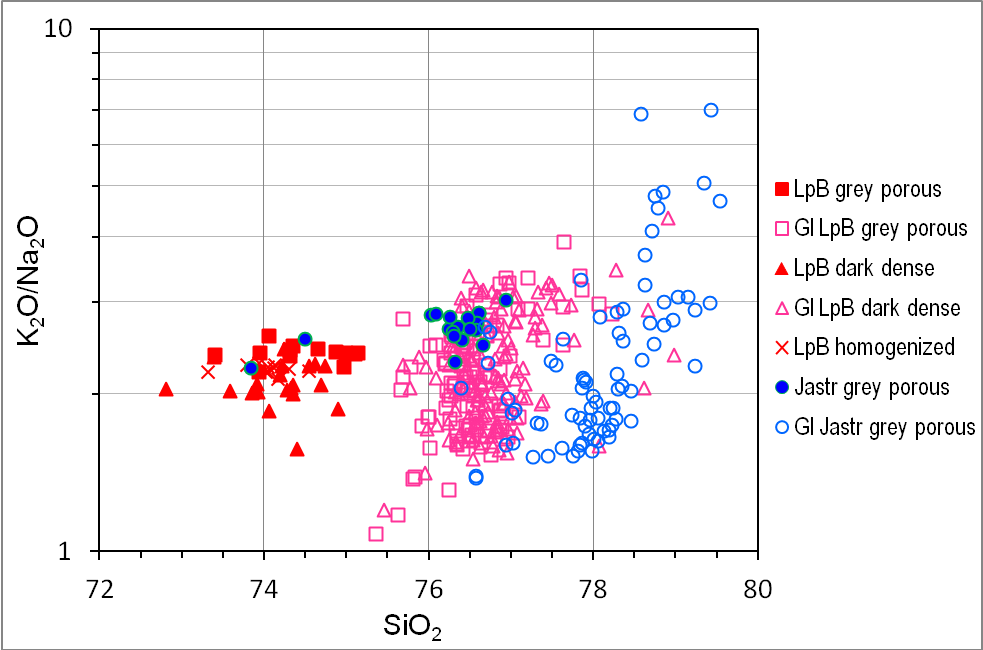
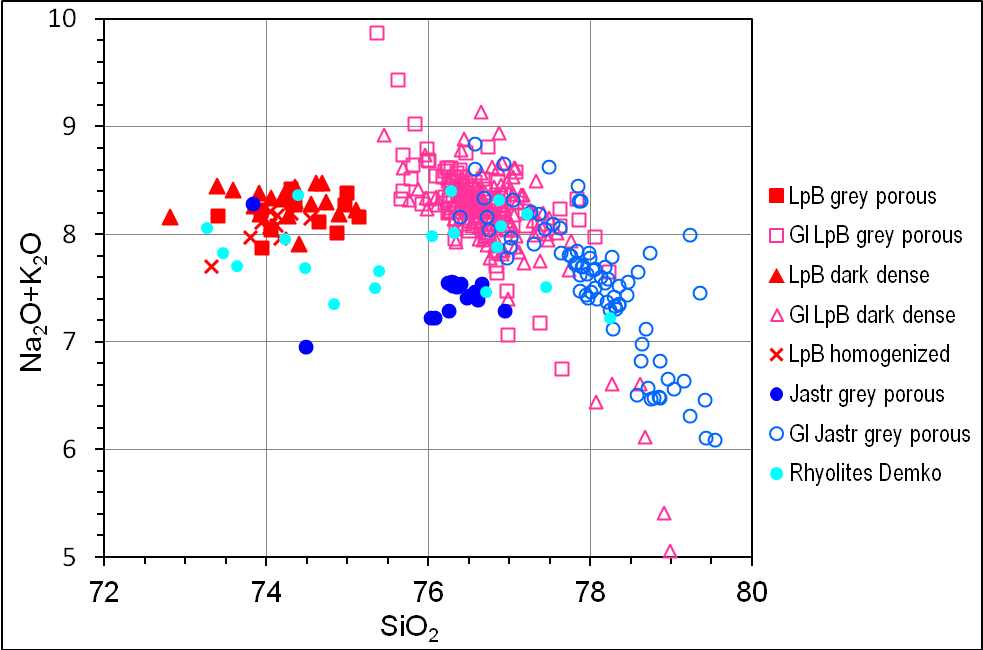
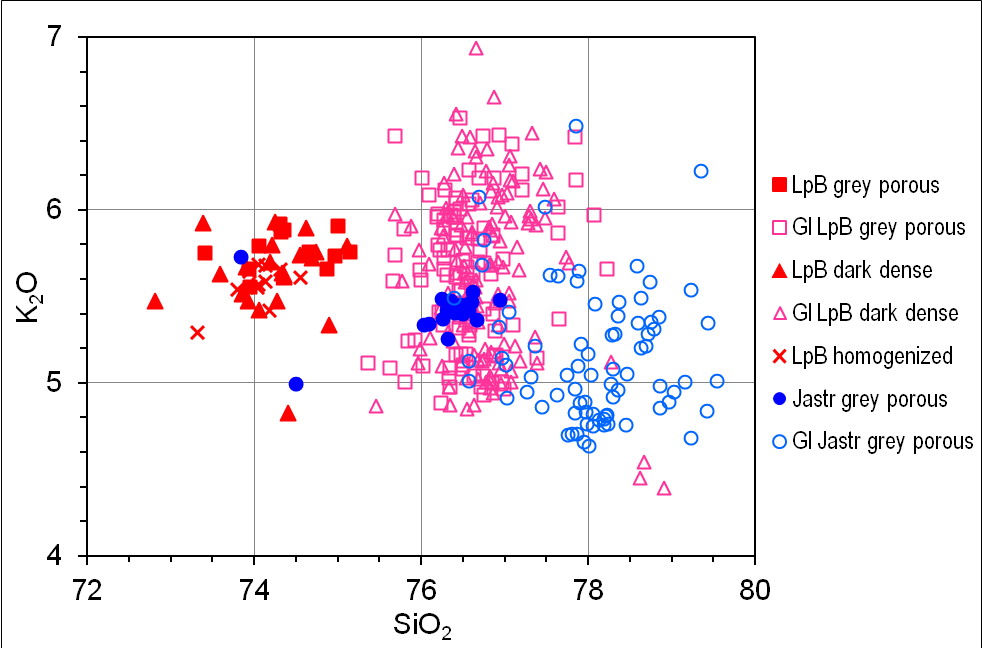
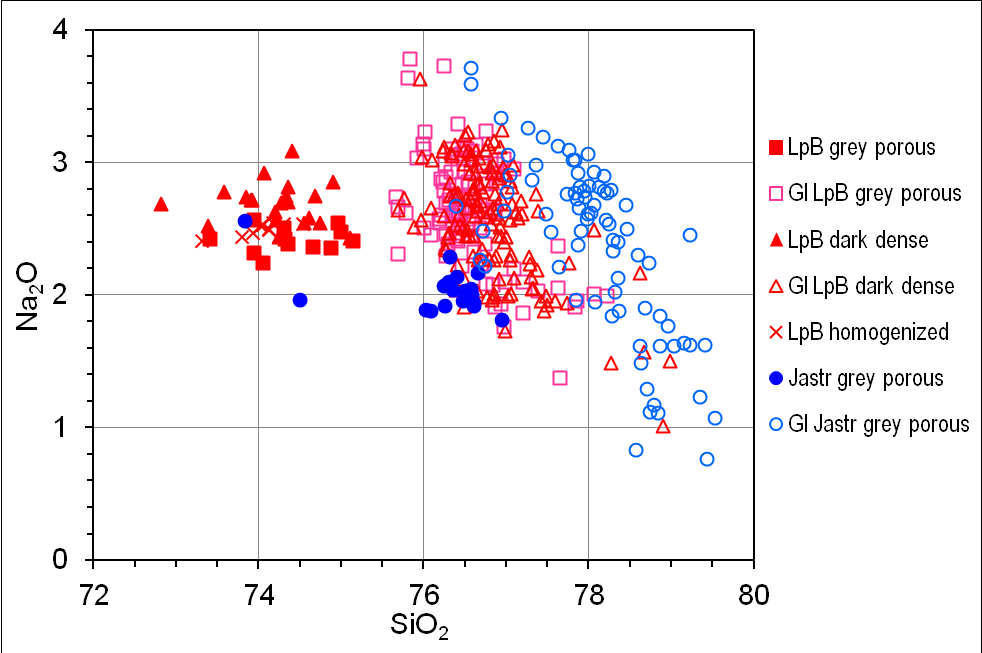
GlLpB dark dense – glass of these perlites

LpB homogenized – mixed perlite bore grit of the Lehôtka pod Brehmi deposit

Jastr grey porous – grey porous perites of the Jastrabá deposit

GlJastr grey porous – glass of these perlites

Rhyolites Demko – rhyolites of the Jastrabá Formation (Demko et al. 2010).



Individual samples of grey porous perlites, Lehôtka pod Brehmi deposit

