• High and variable Ni tenor of sulfides in Ni-PGE ores, up to 40%
• Millerite-Pentlandite-Pyrite
NiO (wt.%) in olivine:
- High Ni in olivine up to 14000 ppm
- Normally below 5000 ppm
From a Ni-enriched magma?

Each spot represents one thin section

$D_{Ni} \text{ Cpx/Olivine} = 0.1 - 0.2$

(Lindstrom and Weill, 1978; Storsch, 1981; Kennedy et al., 1993)
Negative correlation between Ni and Cu tenor suggests the high and variable Ni tenor was not due to variable high R-factors, but by addition of a Ni-rich, Cu-poor component into the magma.
Highly enriched in LREE
$\varepsilon$Nd -7, much lower than any other deposits in the world, indicate a high crust component.
Assimilated LREE rich sediments?
A previous stage Ni-PGE rich sulfide was involved in the Kevitsa magma, Ni and PGE was enriched in a local scale.
Future study

- The connection between Kevitsa, Sakatti and the regional komatiite is of great importance for both scientific research and mineral exploration.
Thanks!