



## **High-resolution paleo- and rockmagnetic studies on individual transitional lava flows**

C. Verard, R. Leonhardt, K. Fabian, **M. Winklhofer**

University of Munich, Dept. of Geosciences

We present high-resolution vertical profiles (1 cm sample spacing) of paleodirection, paleointensity, and rockmagnetic parameters from individual lava flows that erupted during transitional fields characterized by very low paleointensity (below  $5 \mu\text{T}$ ). One lava flow is from Skalamaelifell (Iceland, Age  $\sim 40$  ka, Laschamps), the other one from Cran Canaria (Age  $\sim 14.1$  Ma, C5ACN). On the basis of rockmagnetic parameters and ore microscopy, we can attribute the intraflow variability in paleodirection and -intensity to components due to low-temperature alteration, which is likely to have occurred soon after emplacement and recorded significant variations in the paleomagnetic field