Explanation of the downloadable graphic files (*.png, *.pdf)

- A map of the rock types occurring at the Earth's surface, i.e. a “true” lithological map, does not exist for Europe. Further details on this topic can be found in Birke et al. (2014). Therefore, to support the interpretation of the influence of geology on the geochemical distribution patterns observed in the project survey area, one lithological map and two maps of the soil parent material are provided. The lithological map “Lithology_*” is based on the lithological map by Dürr et al. (2005) and corresponds to Fig. 10.5 in Birke et al. (2014).
- The scale of the full size map is 1:25 000 000.
- The suffixes “_150_dpi” and “_600_dpi” indicate the native resolution of the graphics.

Explanation of the ESRI-Shapefiles

- The shapefile is combined in one ZIP file.
- The coordinate reference system of the shapefile is EPSG:3035 (ESRI: ETRS_1989_LAEA). Further information can be found at https://epsg.io/3035.
- The attribute table of the shapefile includes the fields Symbol (format string, length 2) and Lithology (format string, length 50). The field Symbol contains the symbol of the lithological unit of the corresponding area, the field Lithology the associated lithological unit in plain text.

References

Birke, M., Rauch, U. & Reimann, C. (2014): Supporting Information for Interpretation of Geochemical Maps. In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P. (eds.): Chemistry of Europe's Agricultural Soils, Part A: Methodology and Interpretation of the GEMAS Data Set. (Geologisches Jahrbuch). B102: 93-102; Stuttgart (Schweizerbart Science Publishers).

Dürr, H.H., Meybeck, M. & Dürr, S.H. (2005): Lithologic composition of the Earth's continental surfaces derived from a new digital map emphasizing riverine material transfer. Global Biogeochemical Cycles, 19, 4: 1-22.