Example Group 1

Types of data generated

Within the framework of the research agenda two different kinds quantitative data will be generated: (1) measured experimental data and (2) simulated data created by performing electronic structure calculations. Data collected during the course of the research agenda is detailed in Table 1. For further processing of the data Microsoft Excel and the open-source programming language and software R will be used. Data will be stored as .xlsx, .csv and .txt files. Data visualisation will be done using R and Affinity Designer and final illustrations and figures will be saved either as .tif or .png files.

Table 1: Data type and format generated from experimental procedures within research objectives.

WP	Experimental procedures	Data type	Raw data format	Data storing format
Geochemistry and petrology				
	ICP-MS	Tabular	.xlsx, .txt	.xlsx, .txt
	Electron microprobe: oxide concentrations	Tabular	.xlsx, .txt	.xlsx, .txt
	Electron microprobe: electron backscatter images	Image	.tif	.tif
	X-ray fluorescence	Tabular	.xlsx, .txt	.xlsx, .txt
Luminescence				
	Luminescence measurements	Tabular	.seq, .binx, .txt	.xlsx, .txt, .png
	Luminescence emission spectroscopy	Tabular	.seq, .binx, .txt	.xlsx, .txt, .png
Electronic structure calculations				
	Electronic structure calculations	Tabular	NetCDF, XML	.xlsx, .txt
Soil and landscape modelling				
	Modelling	Tabular	.txt, .R	.txt, .R