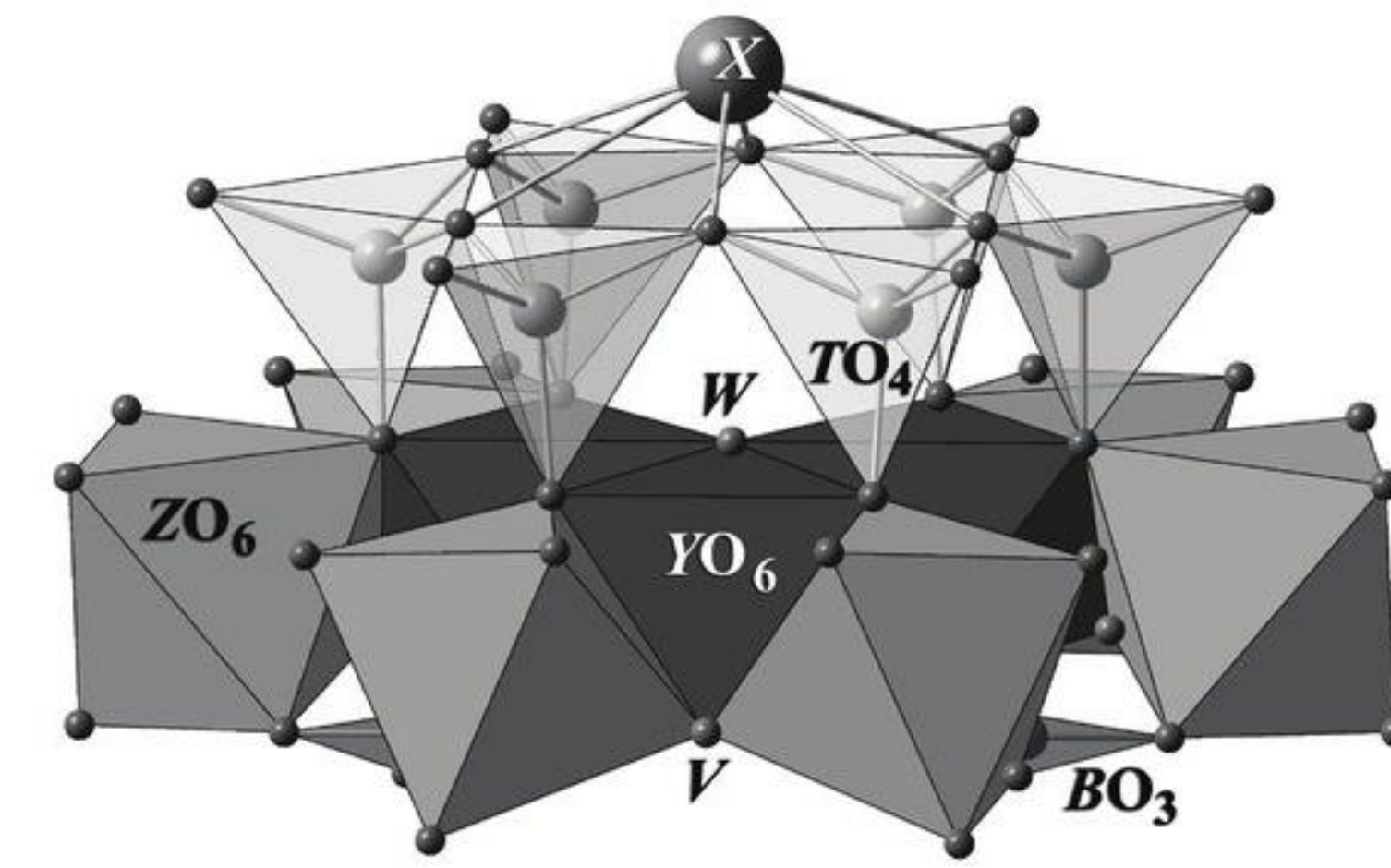


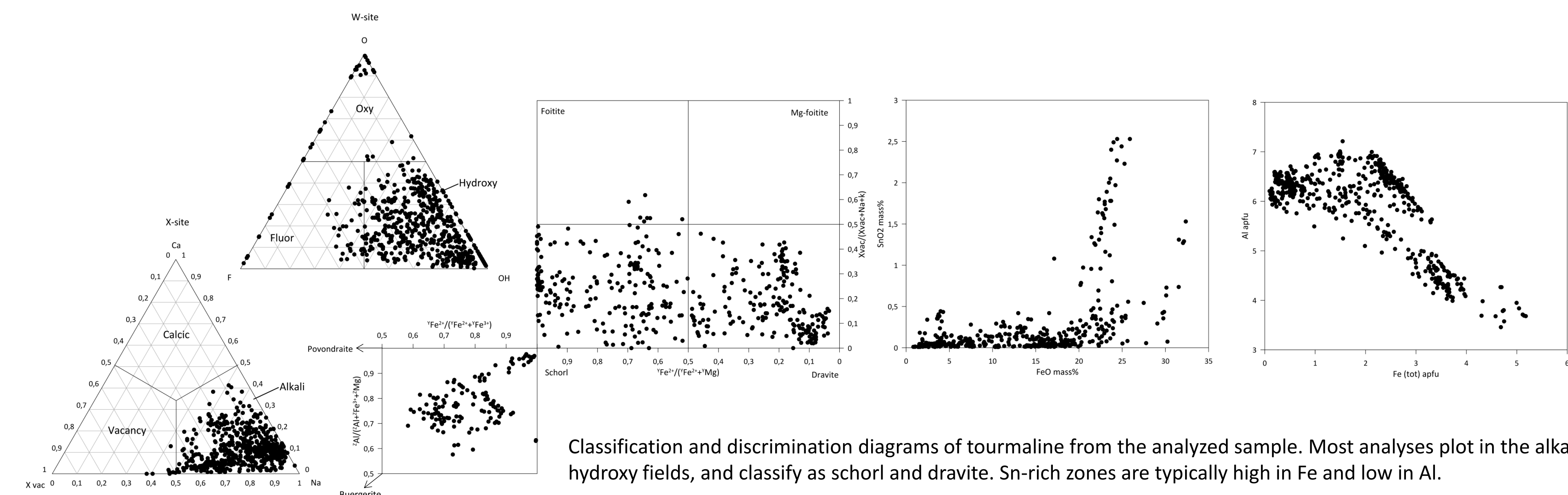


# Kristian Drivenes

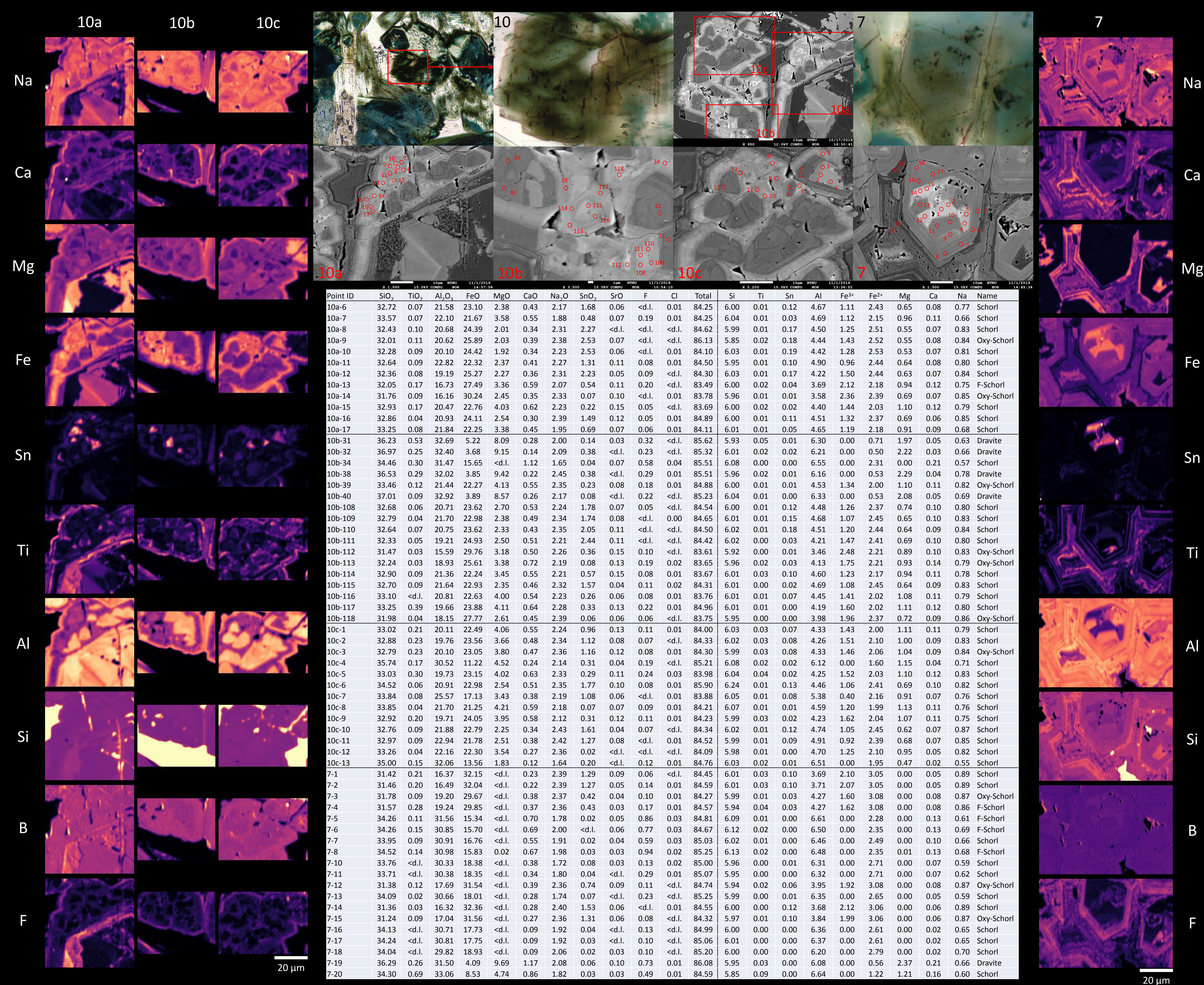


400  $\mu\text{m}$

A part of the analyzed sample in plane polarized light. The white matrix is quartz, the euhedral, colorless-pale brown minerals are cassiterite. The rest is tourmaline.



Classification and discrimination diagrams of tourmaline from the analyzed sample. Most analyses plot in the alkali and hydroxy fields, and classify as schorl and dravite. Sn-rich zones are typically high in Fe and low in Al.



Chemical maps, optical and backscatter electron images, and selected elements from quantitative spot analyses of tourmaline grains. The maps were collected using a JEOL 8530FPPlus at 12 kV, 120 nA, 300 nm step size, and 500 (map 7) or 750 (maps 10a-c) ms dwell time, respectively. Maps 10a-c have identical intensity scales, and are comparable. B, F, Ca, Ti, and Sn were collected by WDS, and Na, Mg, Fe, Al, and Si were simultaneously collected by EDS.

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