

**Online Resource 6:** High-resolution EMPA element maps for a) Fe, b) Cu, c) Ga, and d) Ge of sphalerite from the Lüderich mine (Bergisches Land); bdl = below detection limit of EMPA analysis

**Article title:** Processes of enrichment of trace metals for high tech applications in hydrothermal veins of the Ruhr Basin and the Rhenish Massif, Germany

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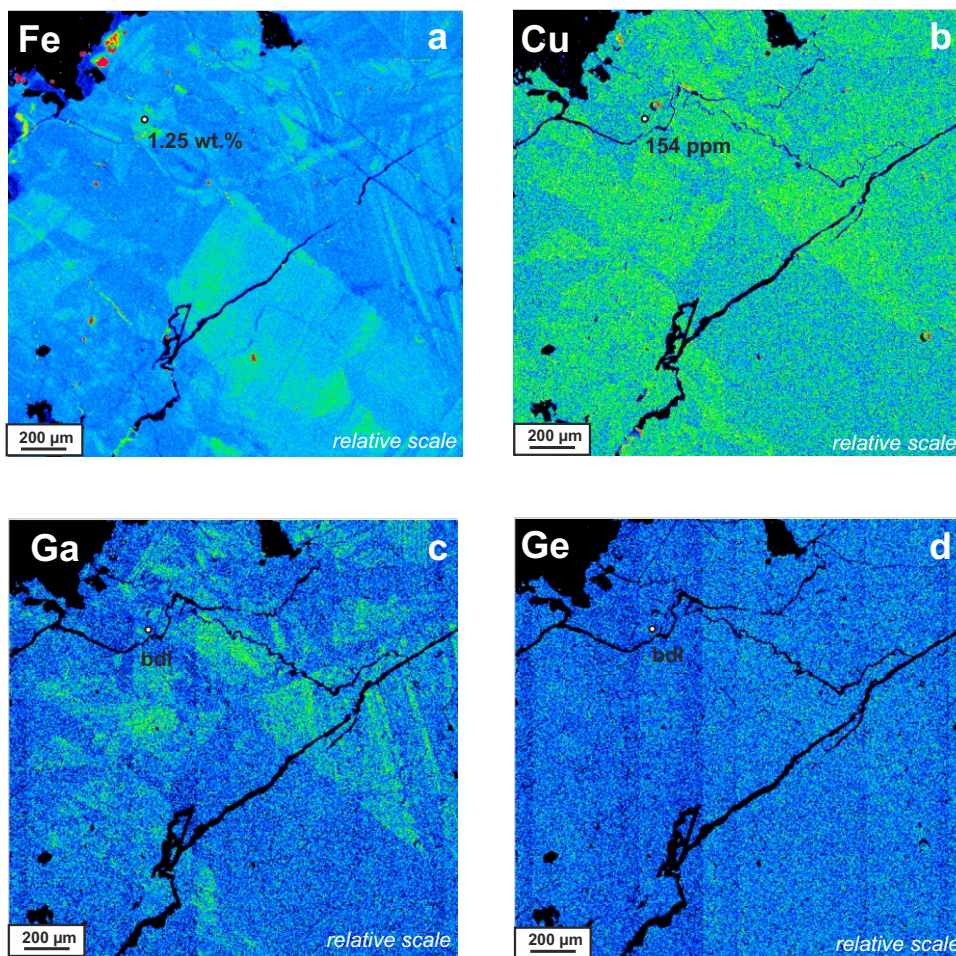
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low conc.  high conc.