

ZEISS EVO 40XVP SEM

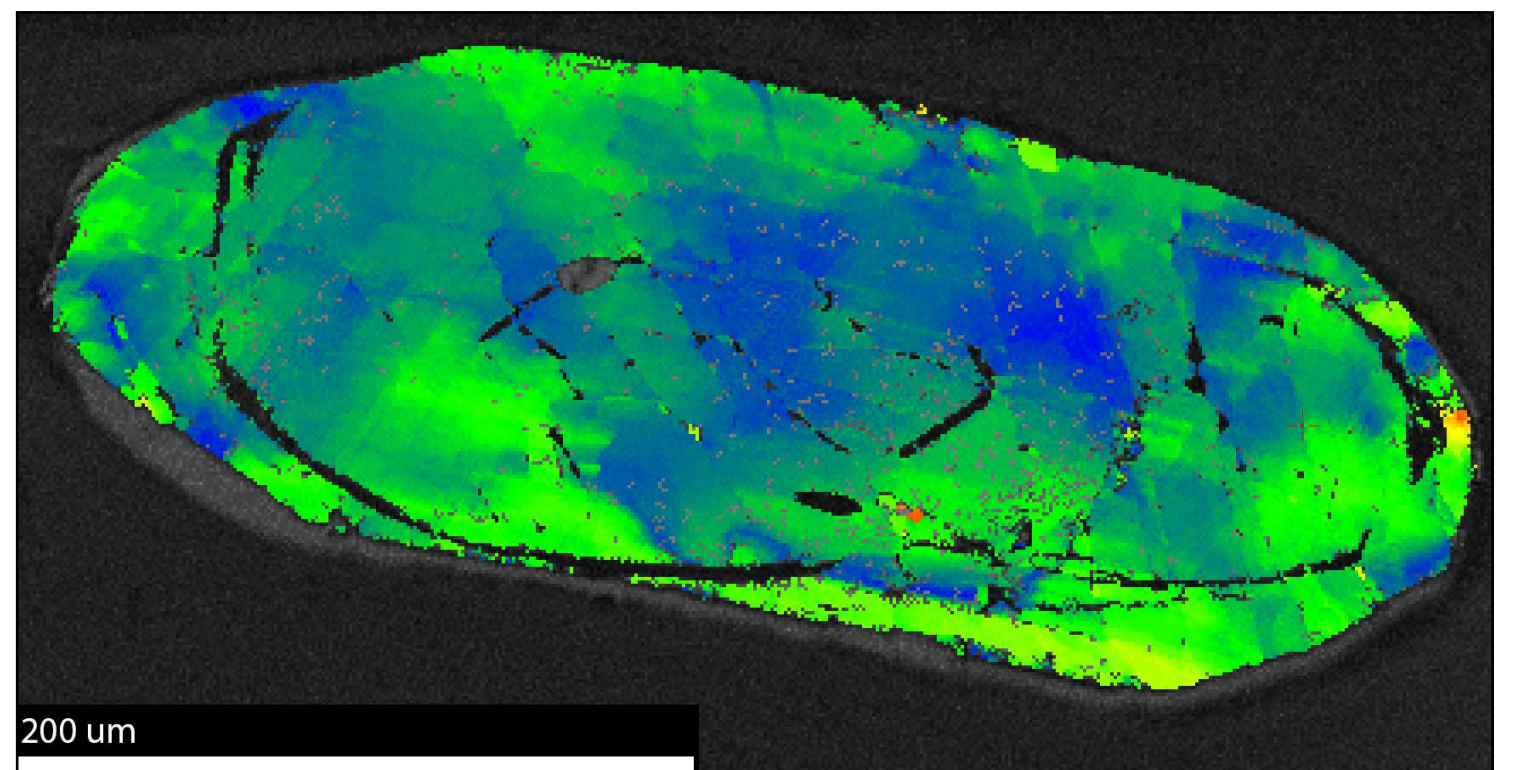
The EVO is a variable pressure scanning electron microscope (VP-SEM). The microscope is suitable for general purpose microstructural analysis at high vacuum, or for the analysis of non-conductive/hydrated samples at lower vacuum.

Application Examples

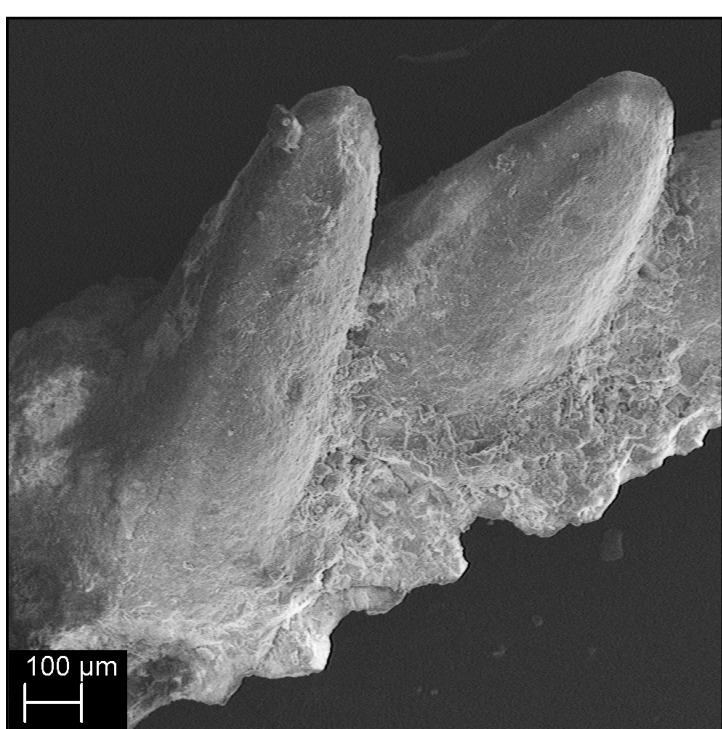
- Microstructural analysis of composite materials
- Investigation of corrosion products
- Identification and characterisation of asbestos fibres
- Measurement of discrete layers in carbon steels
- Imaging of prehistoric shark teeth
- Analysis of zircon growth structures prior to mass spectrometry analysis

Key Capabilities

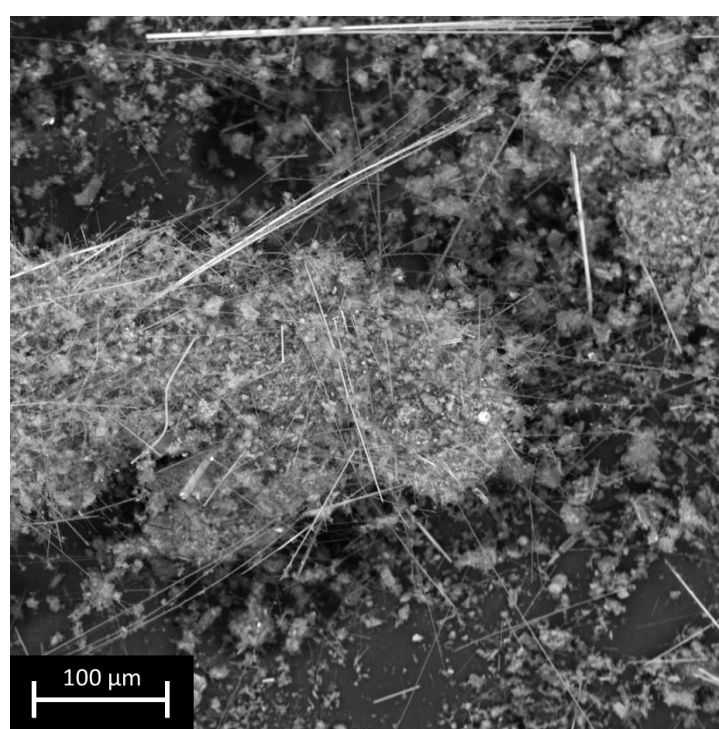
- Secondary Electron (SE) imaging
- Backscattered Electron (BSE) imaging
- Cathodoluminescence (CL) imaging
- Low vacuum secondary electron imaging
- Energy Dispersive X-ray Spectroscopy (EDS) point analysis and mapping
- Electron Backscatter Diffraction (EBSD) mapping



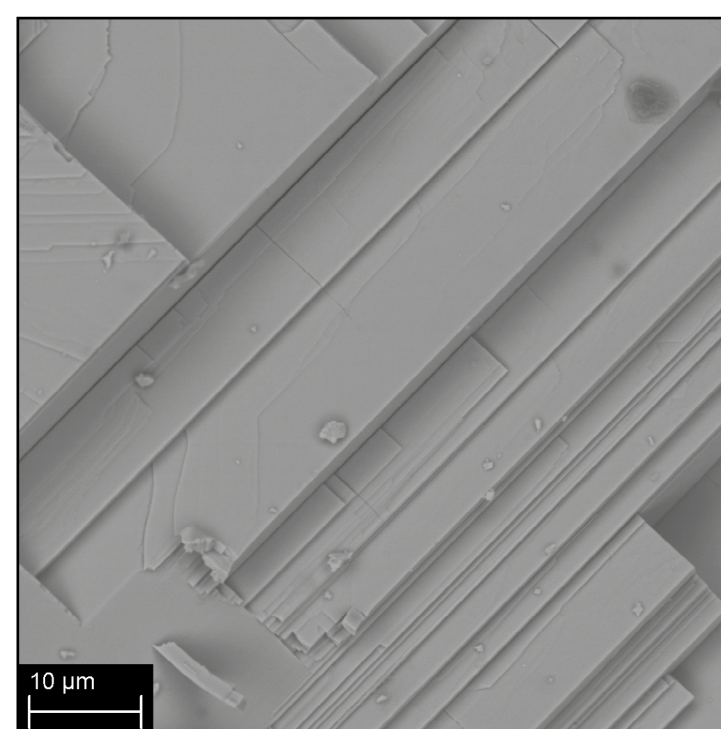
EBSD map of a zircon from South Africa



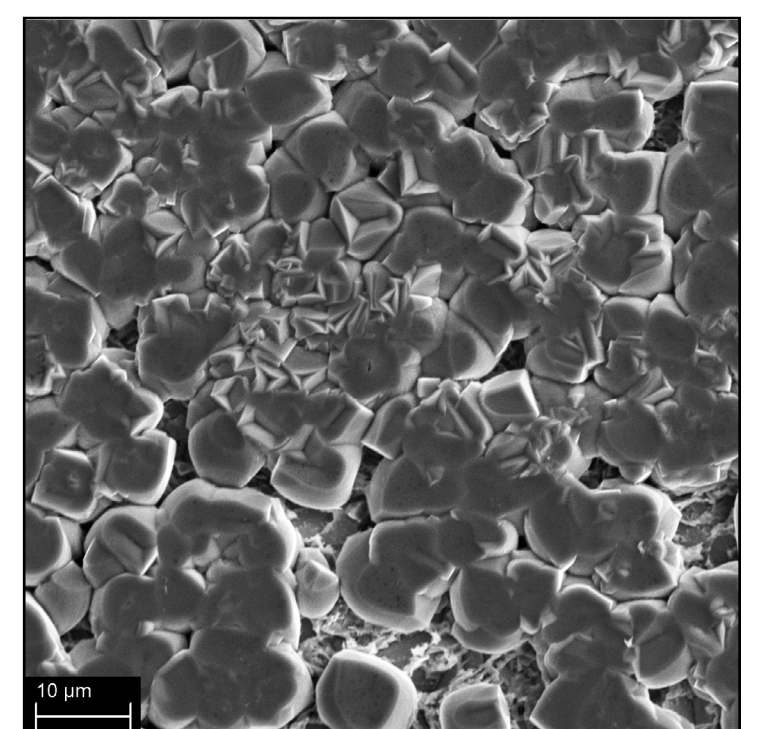
Stethacanthus tooth from the Carboniferous period



Mixed image of asbestos fibres



BSE image of galena



Corrosion products on carbon steel

For more information

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