



# Electron probe microanalysis EPMA

Acquiring and Processing  
Electron, X-ray,  
and CL images



# What's the point?

“A picture is worth a thousand words”.

The more we know about how images are acquired and processed, the better we can present research results graphically.

Additionally, 2 or 3 dimensional information about specimens can be extracted from some images.



# Image Acquisition

- Secondary electron images
- Backscatter electron images
- X-ray maps (WDS, EDS)
  - Dot maps
  - Counter maps
- Cathodoluminescence images
- Microscope (camera) images
- MicroImage vs Matrox framegrabber