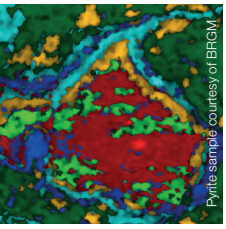
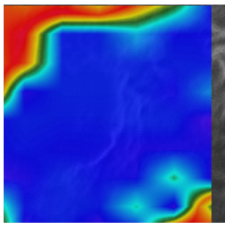
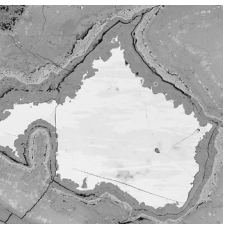
HORIBA
Scientific

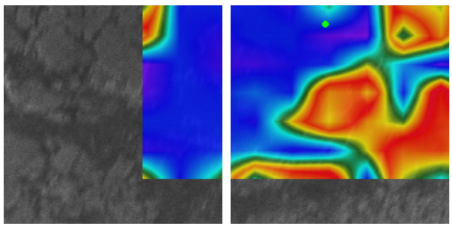


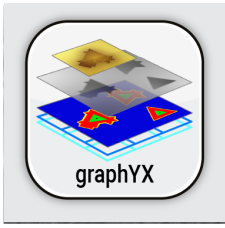
graphYX™, Correlative Microscopy Colorful Images from a Traceable Workflow





A software App to understand your sample better





Powered by Mountains

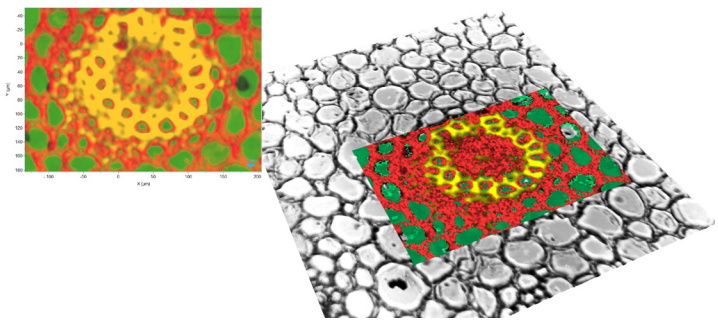
graphYX is an app from the LabSpec 6 suite, powered by Mountains technology, to highlight features of your samples by combining multimodal images obtained from SEM, Raman, CL, AFM, NanoRaman, EDX, EBSD, FTIR and other techniques.

Relocate
Correlate
Colorize
Trace

- Efficiently prepare and correlate data from several sources, to achieve a **greater understanding of your sample**.
- Trace analysis steps and modify image processing workflows at any time. Very useful for **repetitive sample routine analysis**.
- Easily compare between different iterations of a product development by always using the **same traceable analysis workflow.**
- **Combine graphYX with nanoGPS navYX to quickly relocate** your sample's points of interest and overlap map data.

Get a more informative image and optimize your image processing workflow

- Add more contrast to your images
- Highlight typical and unusual sample areas
- Speed up data processing with analysis templates
- Retrieve data processing steps in a mouse-click
- User-independent results
- Step by step overview
- Full traceability of data



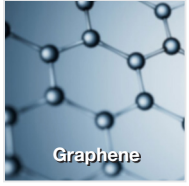
Convallaria cells analysis
Raw image from LabSpec 6 (left)
Enhanced contrast after graphYX treatment (right)

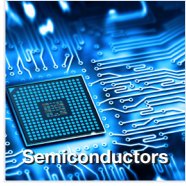
Colocalization of images and spectral maps

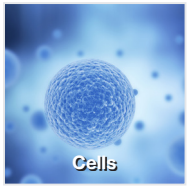
- from a single instrument:
  - Study the kinetics of your sample
  - Monitor the evolution of your product
  - Overlap data from more than two modalities (Raman, AFM, photocurrent, epifluorescence, darkfield, FLIM, micro-XRF...)
  - Optimize the palette, contrast and brightness of the various components of your multivariate analysis

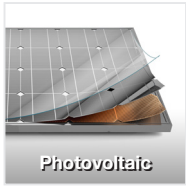
- from multiple instruments:
  - Correlate optical microscope images with SEM images
  - Adjust orientation scale and size of your images generated by SEM, AFM images, and optical microscopes.

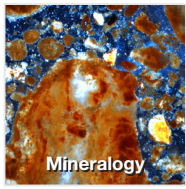
- from multiple users and multiple labs











nanoGPS navYX

Electron microscope to investigate nanostructure size, shape and defects by in-situ electron, EDX and CL.

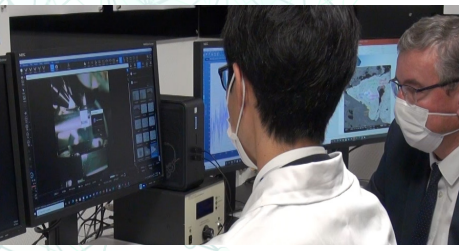
1. Calibrate your microscopes with your reference tag
2. Stick a tag onto your sample holder
3. Record coordinates of point of interest in one click

Raman/AFM/fluorescence/ PL/FLIM/micro XRF/optical microscope measurements at the same points of interest.

graphYX

1. Load your maps
2. Adjust the overlap
3. Experiment with layer rendering to highlight sample features

Overlap images from different techniques and share worflow with other colleagues.



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