Digitization Workflow Consortium of Pacific Northwest Herbaria

- Collaborative NSF BRC grant (similar to a TCN) 2010 to 2014.
- Digitization workflows have been used at 26 herbaria in PNW.
- Captured 518,000 images.

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Imaging & databasing comments:

- Lightbox works best. Have also used light tents with flash units, tripods with fixed lights, and flat-bed scanners.
- Rate of imaging with lightbox: 50 to 150 specimens/hour. Cost: ~ \$5,000.
- Imaging workflow is designed to minimize post-processing. (exception: converting RAW to JPEG is done using camera software for best quality)
- Workflow includes some customization to imaging equipment, and several custom-built software components (e.g., metadata capture, image rename & crop, processing scripts, database software).
- Data entry rate for key-stroke entry of complete records averages 20-30 specimens per hour. Have tried OCR, with minimal efficiency gains.

Workforce:

- Rely mostly on paid hourly personnel.
- Mostly students and recent graduates (some stay long-term); some workstudy.
- Very little use of volunteers. Have not tried crowd-sourcing.