IPS-161 Biological Collections

Group 2 - Practicals

Reetta Hallikainen

Mihika Sen

Inari Nousiainen

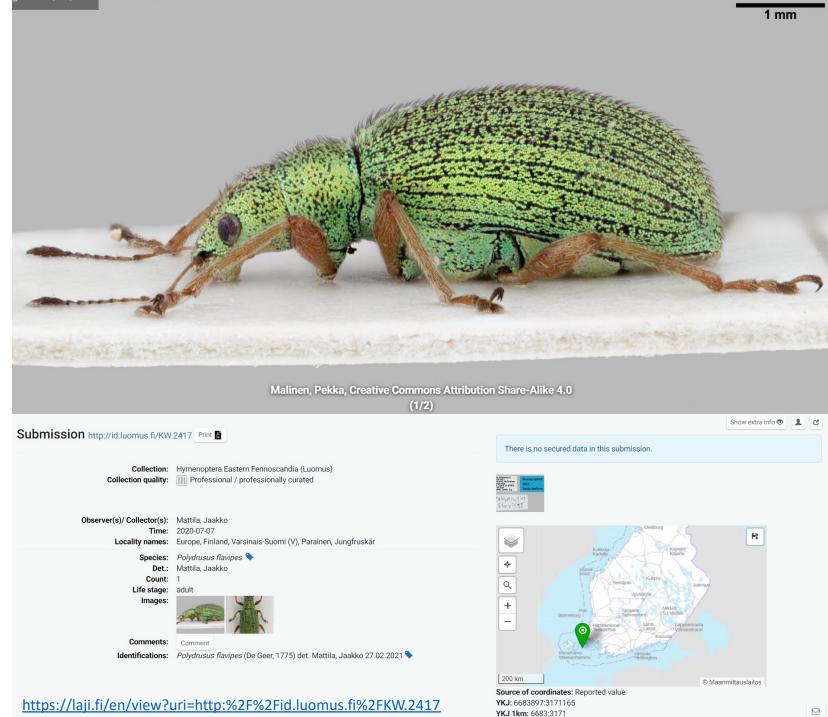
Gabriela Lemoine

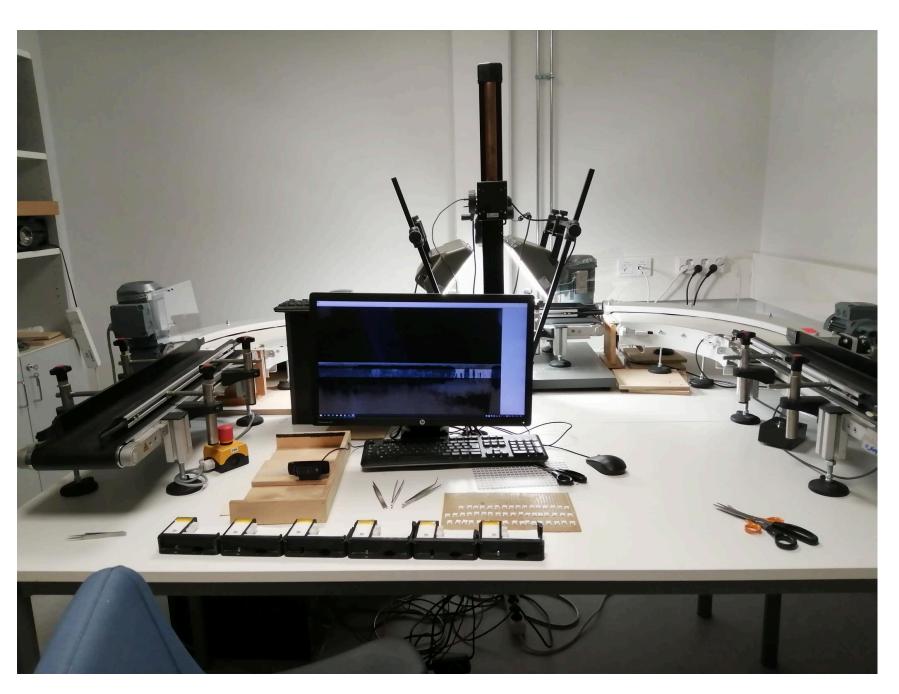
Digitization + **3D** Practical

- Digitization with Jere Kahanpää
- Micro-CT with Max Salvador

Why?

- Access
- Inventory
- Safety





Digitization Set-up

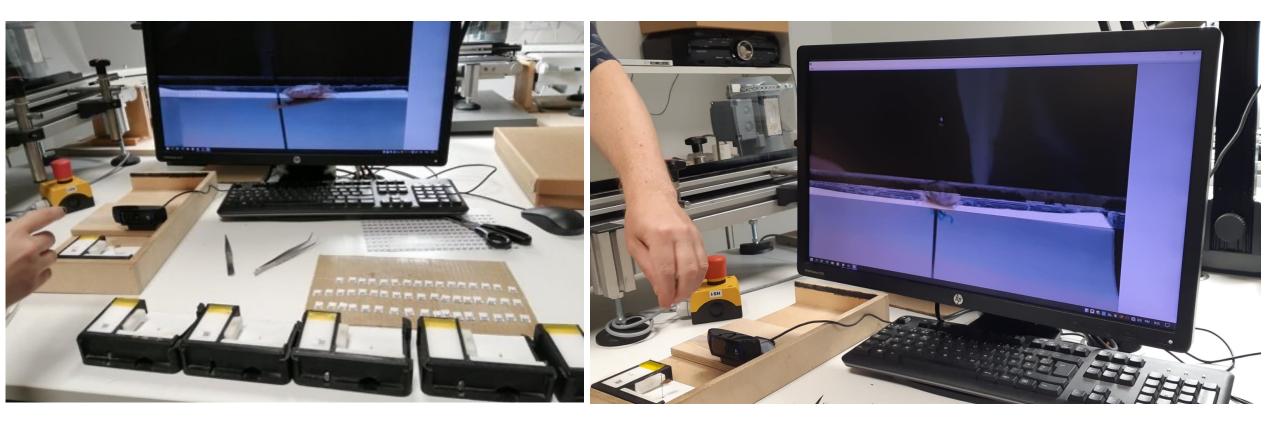
- Conveyer belt
- Webcam for specimen alignment
- Camera in the middle
- Two lights

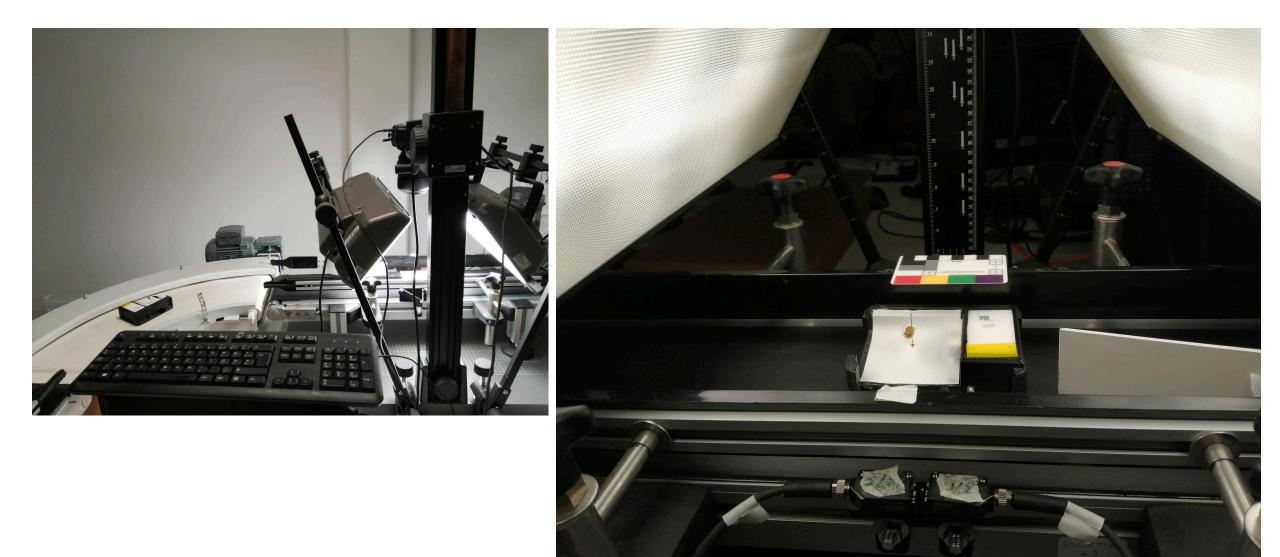
Digitization process

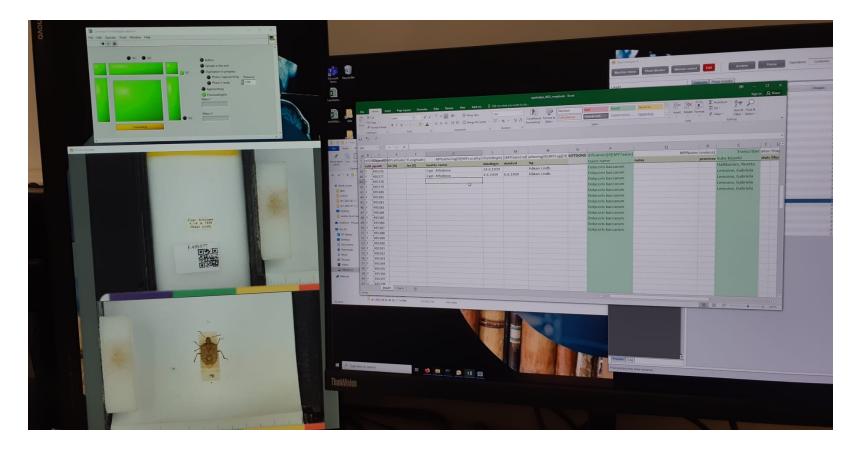


- Left: Original labels & ID and QR code
- Right: Pinned specimen

Centering the specimen







• ID

- Locality names
- Date collected
- Collector's name
- Species name
- Person digitizing



Our rate was 70 specimens per hour (the same rate as 1 pro)

Citizen science

- Zooniverse.org
- Volunteer.ala.org.au



Expeditions Camera Traps V Tutorials Forum Log in Search e.g. Bivalve

Decipher our collections, discover hidden archives and contribute to knowledge Join our community of volunteers

DIGIVOL

Get involved 4

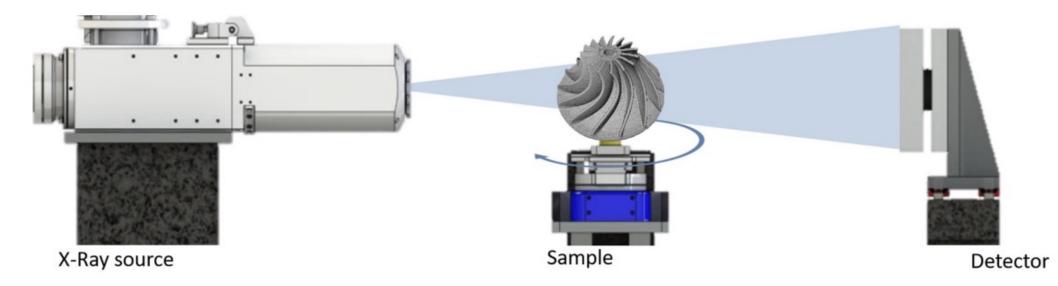
Q

Micro Computed Tomography (Micro-CT)



How Micro-CT scan works

- Imaging the inside and outside
- X rays (high-energy, small wavelength)
- X rays absorbed or pass through
- 4475 slices



Stacked images

