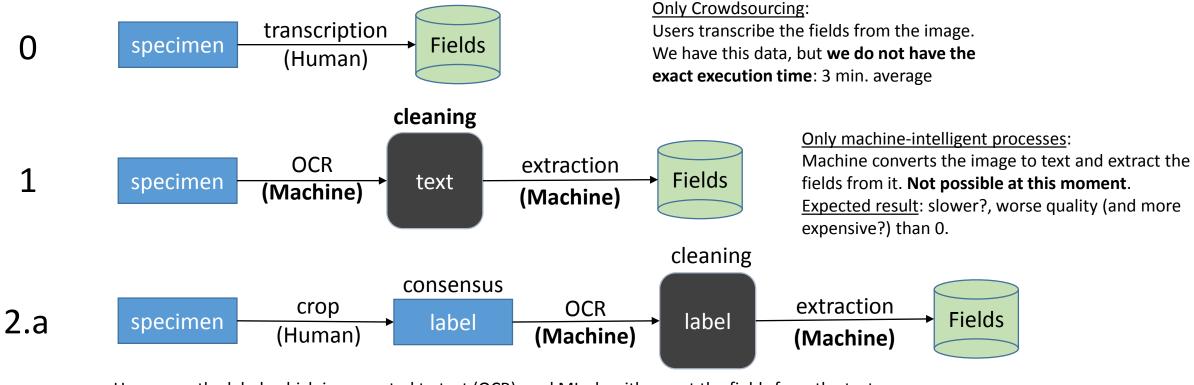
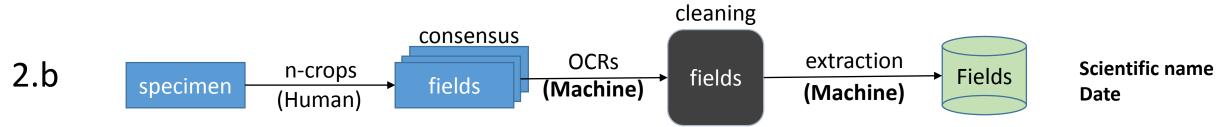
# Hybrid workflows for knowledge extraction

Hybrid (human- and machine-intelligent) workflows for knowledge extraction

### Cases of study

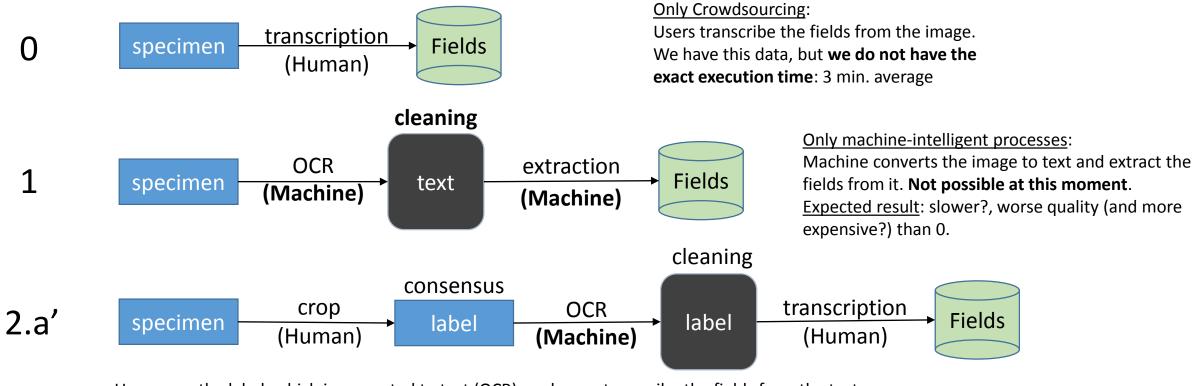


Users crop the label, which is converted to text (OCR), and ML algorithms get the fields from the text. <u>Expected result</u>: Worse than 0. Better quality but slower than 1.

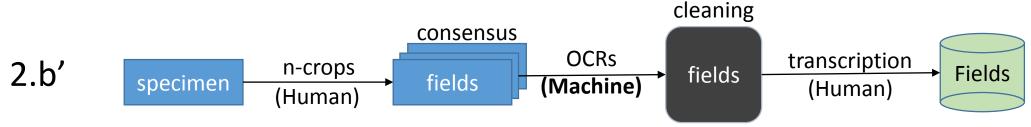


Users crop the label several times to get an image for each field, which are converted to text (OCR), and ML algorithms get the fields' values from text. Expected result: Worse than 0. Better quality but much slower than 1. Better quality but slower than 2.a

### Cases of study

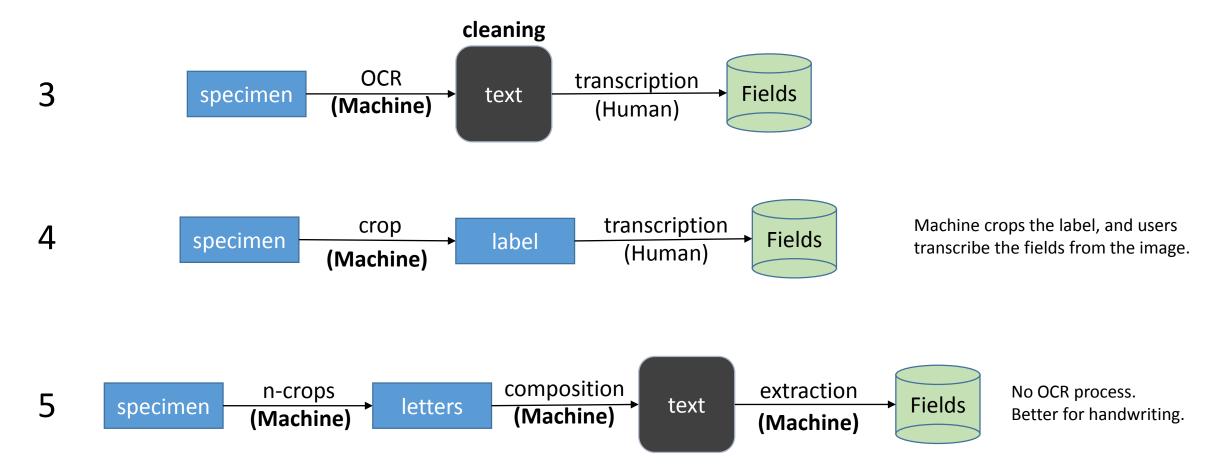


Users crop the label, which is converted to text (OCR), and users transcribe the fields from the text. Expected result: Worse than 0. Much better quality but slower than 1.



Users crop the label several times to get an images for each field, which are converted to text (OCR), and users transcribe these fields from the text. Expected result: Worse than 0. Much better quality but much slower than 1. Better quality but slower than 2.a

## Other cases of study



#### Other ideas:

- i) can machine detect from 2.a or 2.b when it is doing a bad job, to then send it to crowdsourcing only the pieces it is failing to get?
- ii) can machine learn the relative positions of different fields to improve NLP?