Transkribus A research platform for the digitisation, transcription, recognition and searching of historical documents

Günter Mühlberger University Innsbruck,

Digitisation and Digital Preservation Group

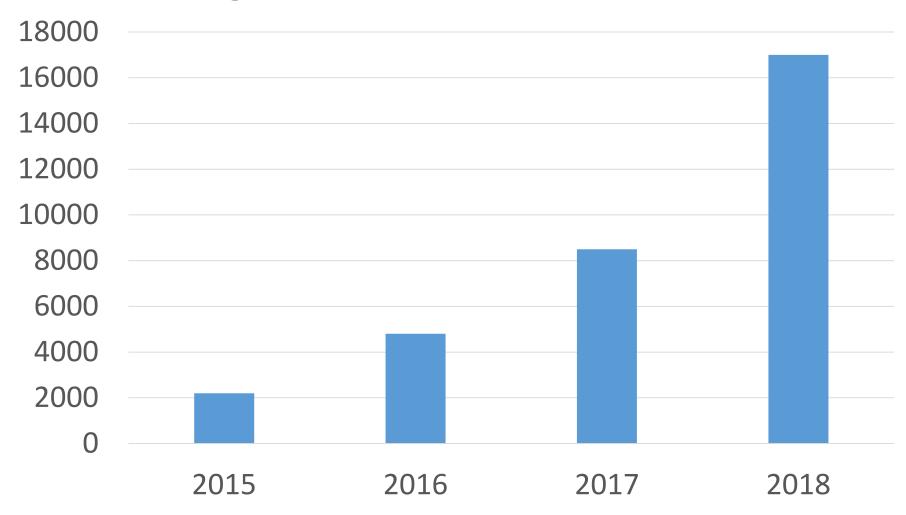


Agenda

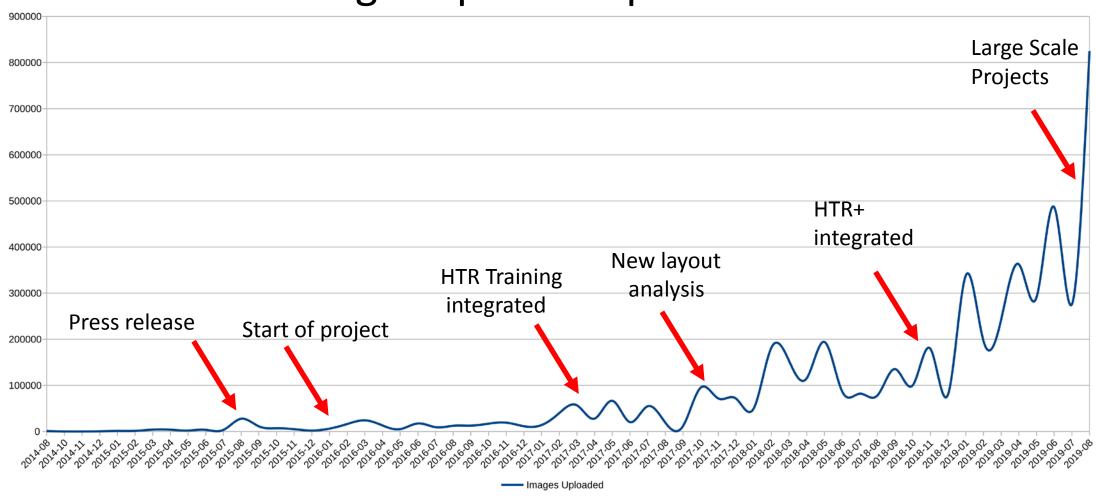
- Introduction
- New features
- READ-COOP SCE
- Q&A

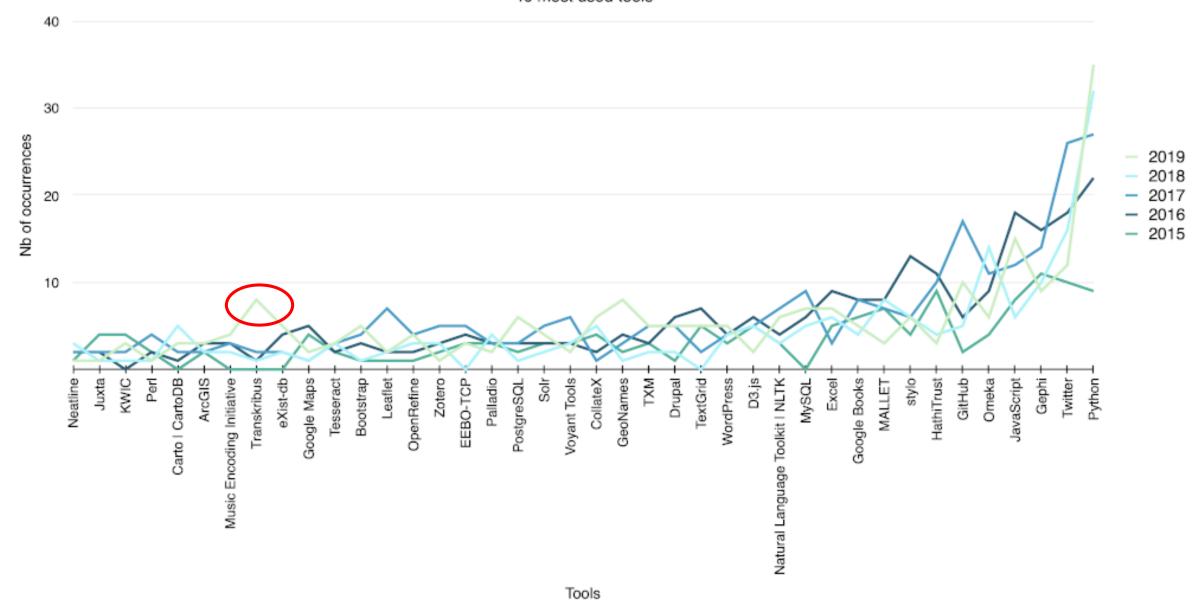
Yesterday: 30,000+ registered users!

Registered users in Transkribus



Images uploaded per month





Source: WHICH DH TOOLS ARE ACTUALLY USED IN RESEARCH?

BY LAURE BARBOT, FRANK FISCHER, YOANN MORANVILLE AND IVAN POZDNIAKOV — 06 DEC 2019

https://weltliteratur.net/dh-tools-used-in-research/

October 2019

- New Users: 1351
- Active Users / Unique Logins : 2647
- Created Documents: 8904
- Exported Documents: 1406
- Layout Analysis Jobs: 9594 249.249 images
- HTR Jobs : 7597 295.130 images
- Training runtime: 1799h
- Images Uploaded by users: 1.065.995

Transkribus User Conferences – 2017 + 2018



Join us for 2020 in Innsbruck – 6/7 February 2020!

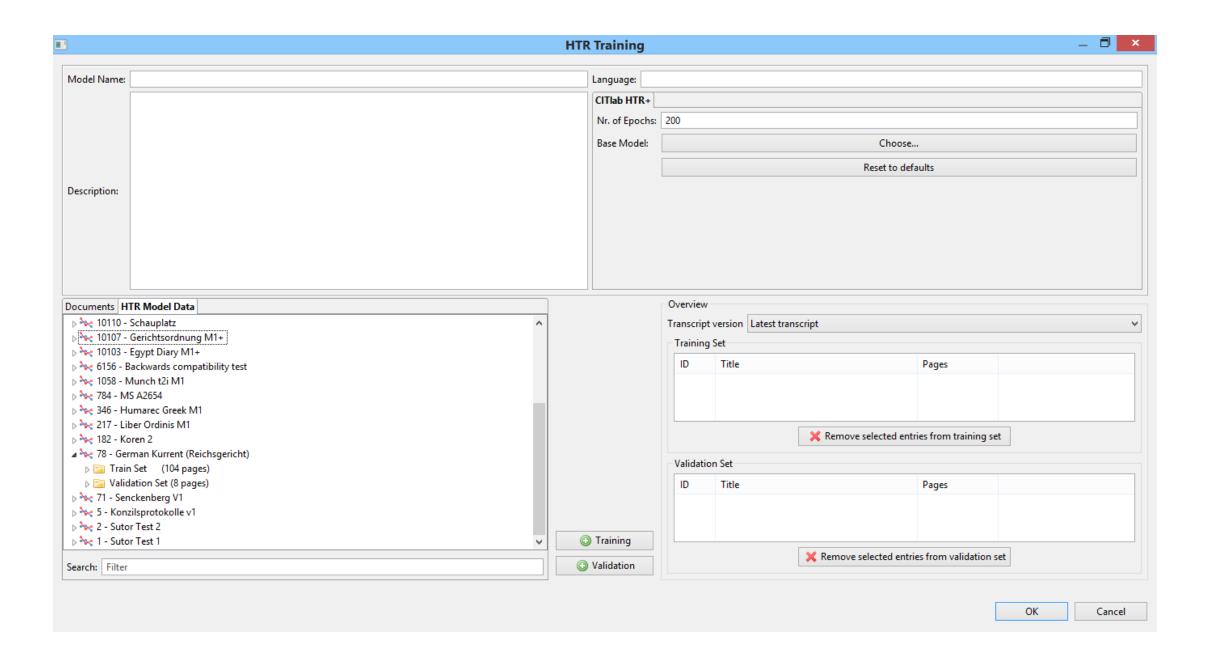
Running projects

- National Archives Finland
- University Archive Greifswald
 - German Science Funds
- Vienna Library
- National Archives Netherlands
- Picturae
 - Amsterdam: Crowd leert computer lezen
 - Local chronicls
- Georgian papers
 - Mellon foundation
- Cadastre documents
 - Tyrolian government
- NewsEye project
 - H2020 Project

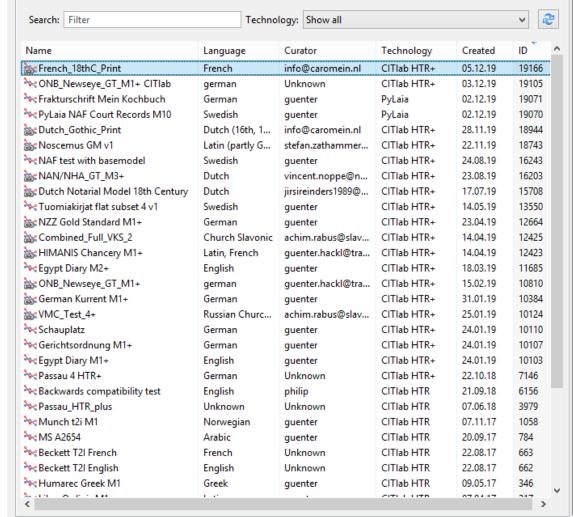
New features

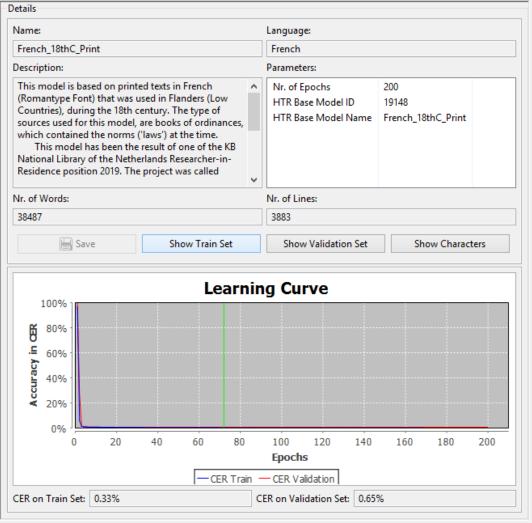
New features

- Direct HTR (with default layout analysis)
- Training with existing models
- Training with base-models
- Implementation of P2Pala
- Text2Image matching
- Sample compare



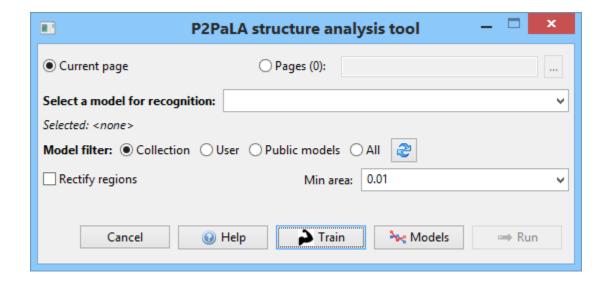


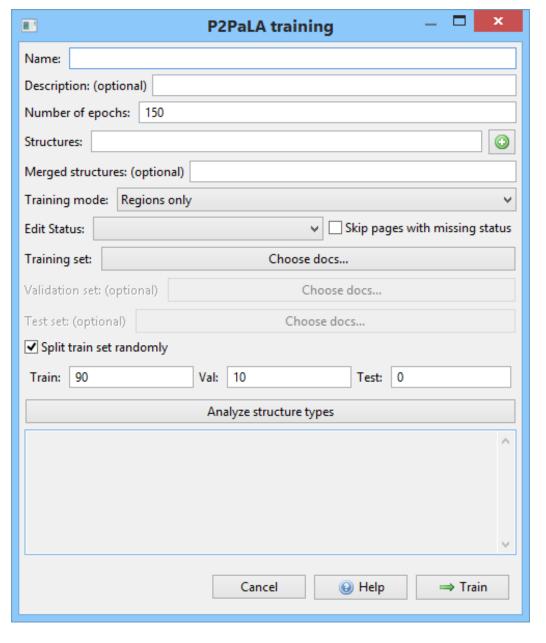


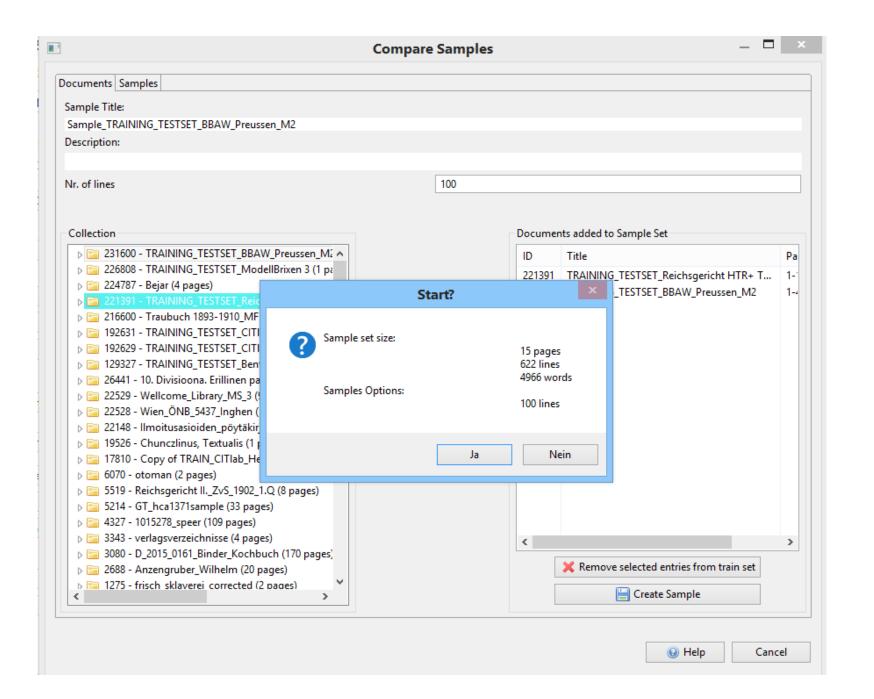


OK

Cancel

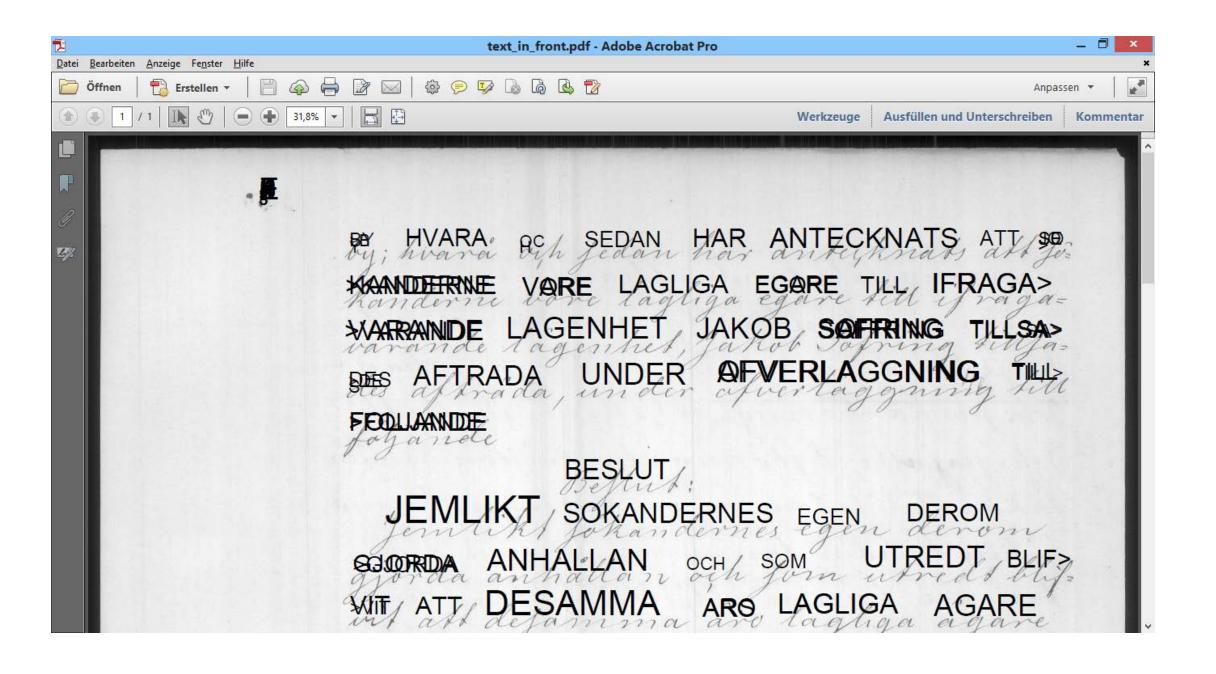






Keyword spotting – probabilistic index







Further plans

- Sharing of models
 - With and without sharing the training/validation data
 - Tagging of models
- Quick evaluation on best models
 - Upload image, run several models at once in order to get the best results from public models
- 2020?
 - No master plan finish running projects with satisfied customers and keep the platform going and as open as possible – even with a pricing model in the background
 - Motivate other countries such as Sweden, Denmark, Austria to follow the Dutch example
 - Support usage of Transkribus for students

READ-COOP SCE

- Successfully implemented
 - 9th November officially registered
 - This week: tax number!
- Very positive feedback from many institutions and private persons
 - More than 30 members
- Coop as a powerful tool
 - A tool which gives us the chance to collaborate on a new level earn money, invest money however with a general purpose defined by the members
 - Flexible, international, collaborative, democratic,...
- Pricing model
 - Main idea is to keep the platform services free and to apply no hard limits, however if institutions
 are working professionally with Transkribus services are charged
 - Currently per image file easy to calculate in the longer run better measurements (computing time, number of words, etc...) might be more appropriate
 - 12-20 Cent per image file as a rule of thumb, lower prices for printed material

Q&A

- Publishing public models outside of Transkribus
 - ZENODO: Training, validation and testset (contains actual result)
- Better baselines
 - You can train baselines specifically with P2PaLa: if successful we could combine it with the general training of an HTR model
- Structure types
 - Several structure types can be trained (and recognized)
 - HTR can be done specifically for structure types
- Table recognition
 - Naverlabs is working on this table recognition competition ICDAR 2019
- Crowd-sourcing
 - Plans with Picturae to make it easier with VeleHanden

Thanks a lot for your attention!

More information

https://read.transkribus.eu/

https://transkribus.eu/

https://read.transkribus.eu/coop/

https://scantent.eu/



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