Results in WP3



- Large set of machine learning algorithms tested and results tabulated
 - Table available as CSV in Allas: https://a3s.fi/hpd-data/XMTC-experiments.csv
- Hyper-parameter optimization for fastText and omikuji (parabel, bonsai, att.xml)
 - FastText recommended parameters: https://a3s.fi/hpd-data/Annif-fasttext-yso-recommendations.cfg
 - Omikuji parameters in XMTC table
- CSC's algorithm recommendation: omikuji
 - Tree-based ensemble model, reasonably fast
 - Results good overall
 - Well-maintained software
 - One downside: model files tend to be quite big can be reduced with some reduction in performance
- Neural network-based X-BERT promising, more study needed
 - Instructions on how to reproduce current X-BERT results with Annif databases documented: https://github.com/mvsjober/X-Transformer/blob/master/README-Annif.md
 - Selection of models and settings available in Allas



Results in WP5.3

Pilot technology demonstration to utilise CSC computing platforms with Annif: https://github.com/CSCfi/annif-utils

- Created application to combine flexibility of Rahti, computing power of Puhti and storage capacity of Allas (also transferable to other standard environments)
- Demo-notebook application: https://github.com/CSCfi/annif-utils/blob/master/annif.ipynb