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#### **TEI-based Interactive Critical Editions**

Simon Schiff, Sylvia Melzer, Eva Wilden, Ralf Möller

#### Computer Sciences:

Simon Schiff, Sylvia Melzer & Ralf Möller

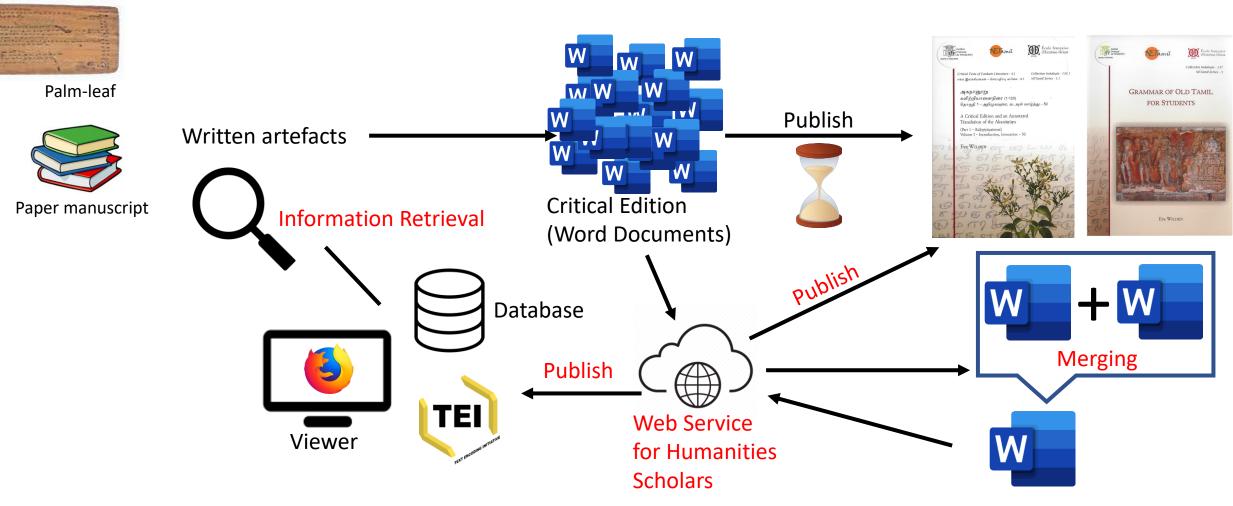
#### **Humanities Scholar:**

Eva Wilden

DAS 2022, La Rochelle, 23th May Institute of Information Systems University of Lübeck



#### Motivation



- We do not change preferred document formats and tools in use!
- Our solution is FAIR (Findable Accessible Interoperable Reuse)

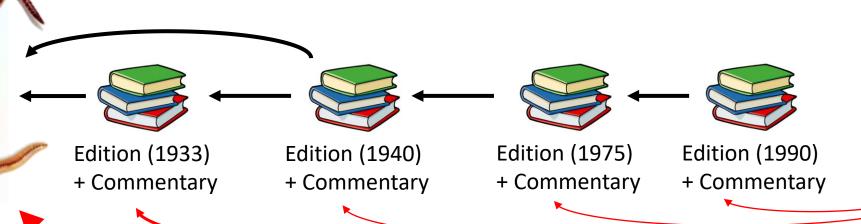
#### Creation of a Critical Edition

#### Flow of Time











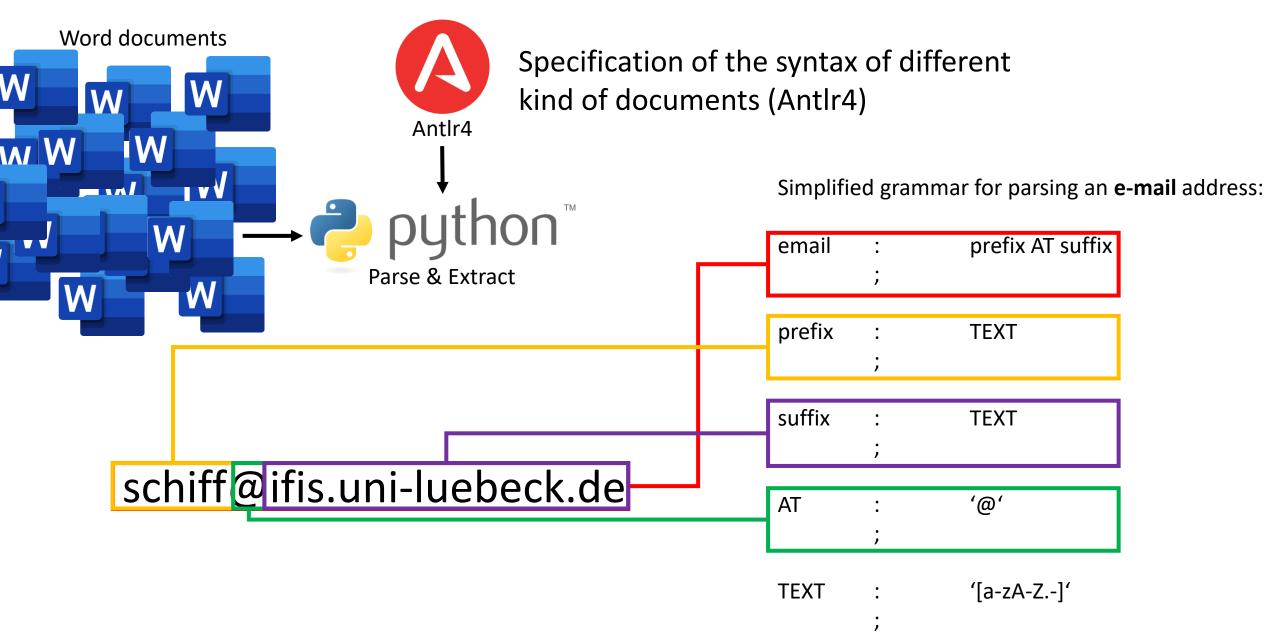
#### Loss of original content of the manuscript over time.

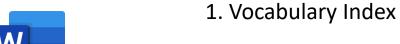
Eva Wilden, A Critical Edition and an Annotated Translation of the Akanānūru (Part 1 - Kaļirriyānainirai), 2018
Eva Wilden, Grammar of Old Tamil for Students, 2018

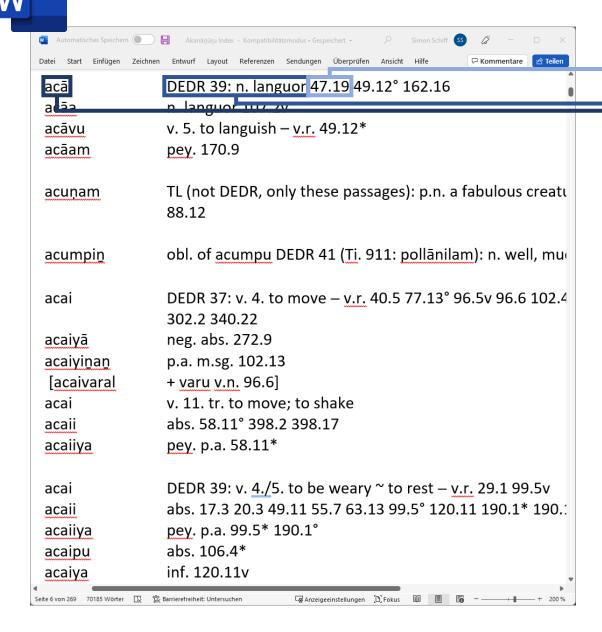




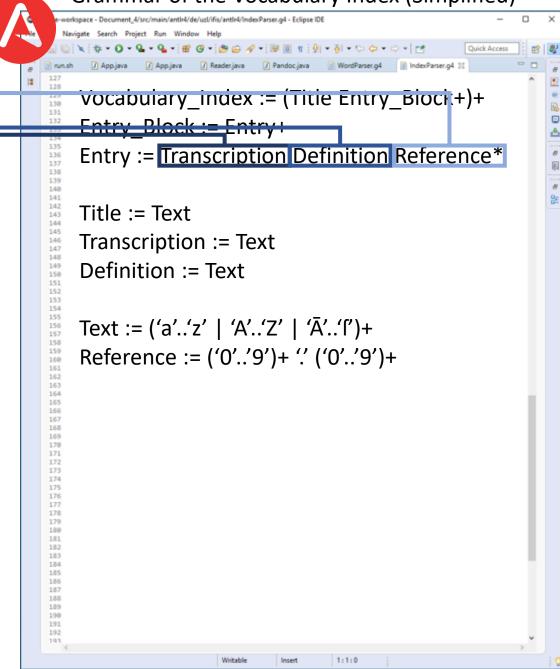
### Our Service (Step-by-step)

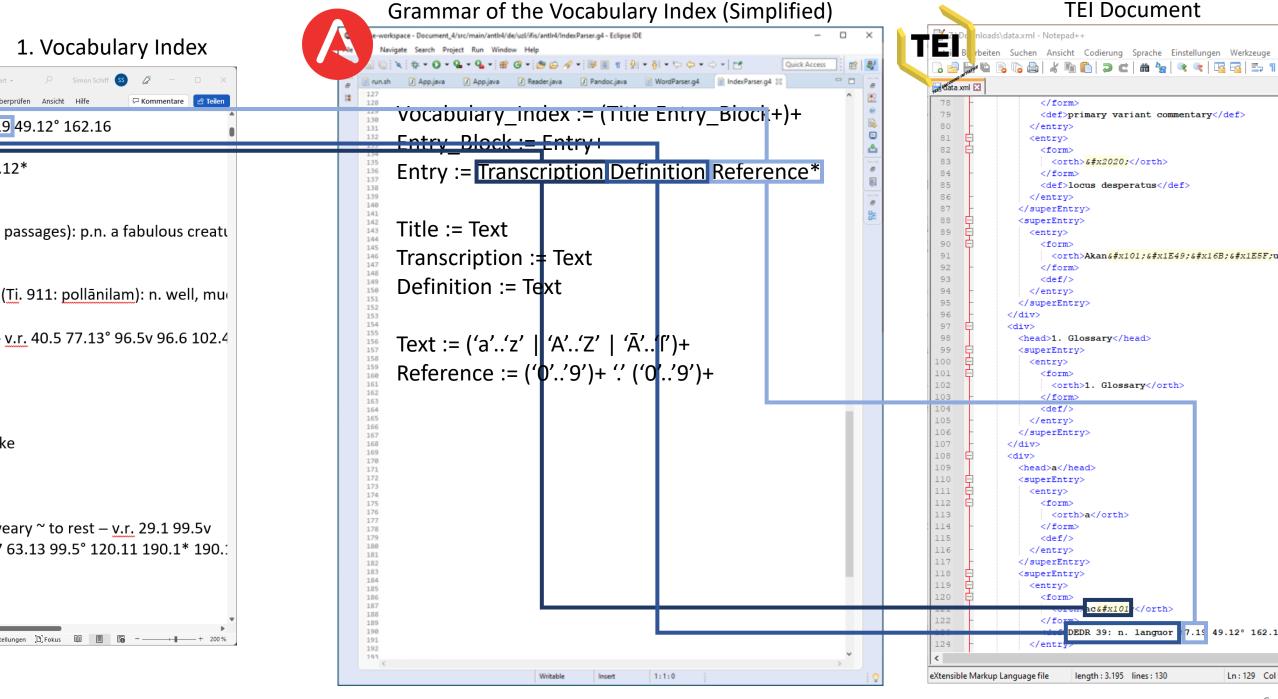




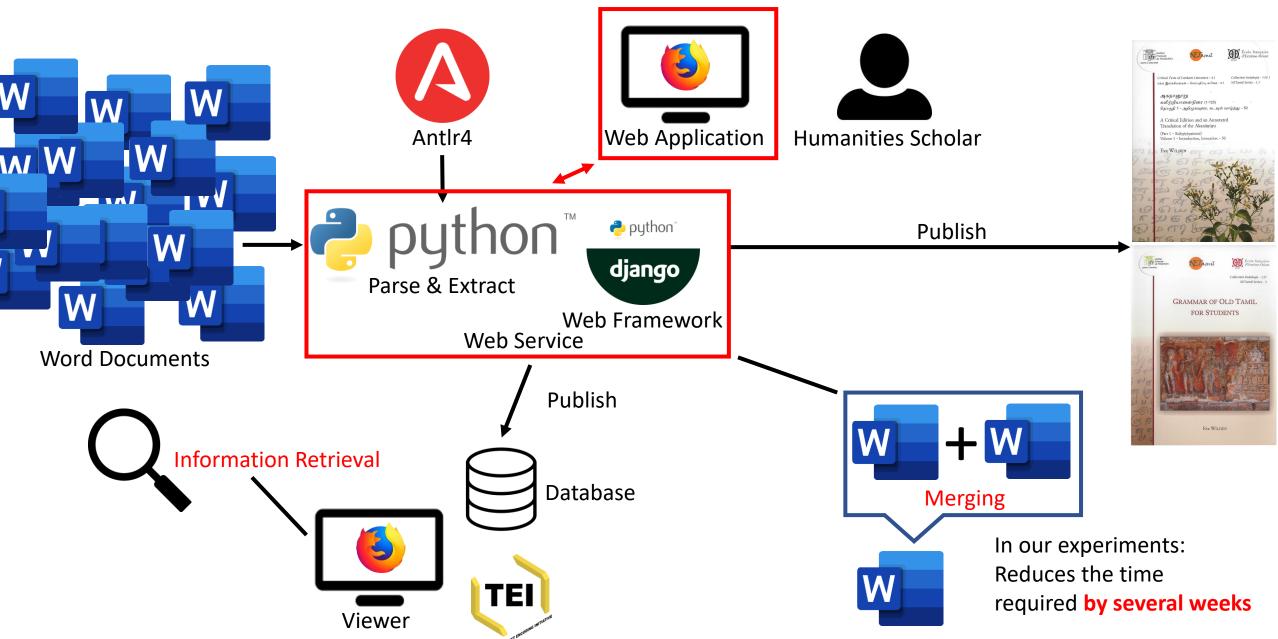


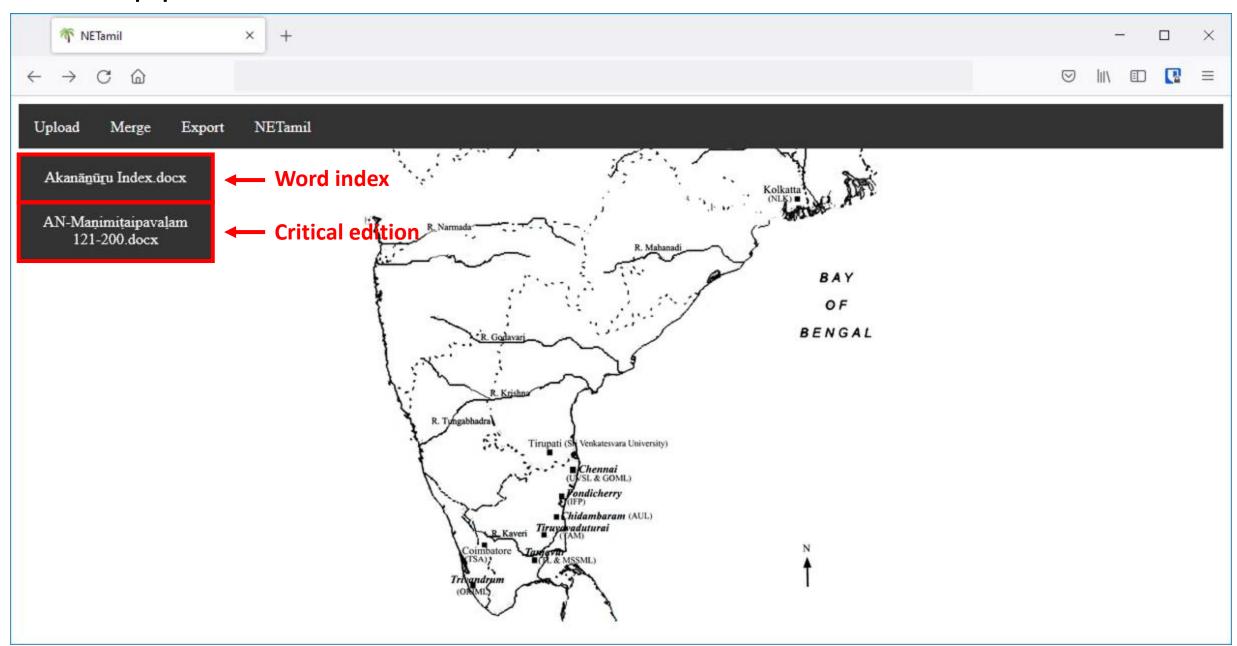
Grammar of the Vocabulary Index (Simplified)

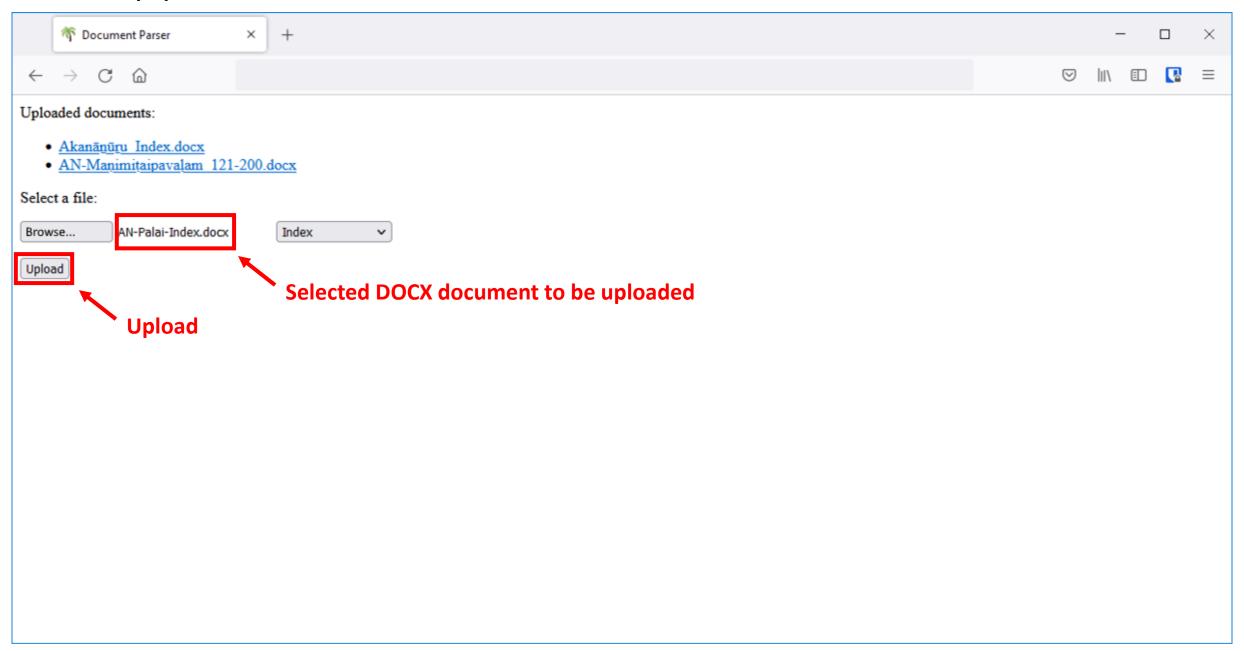




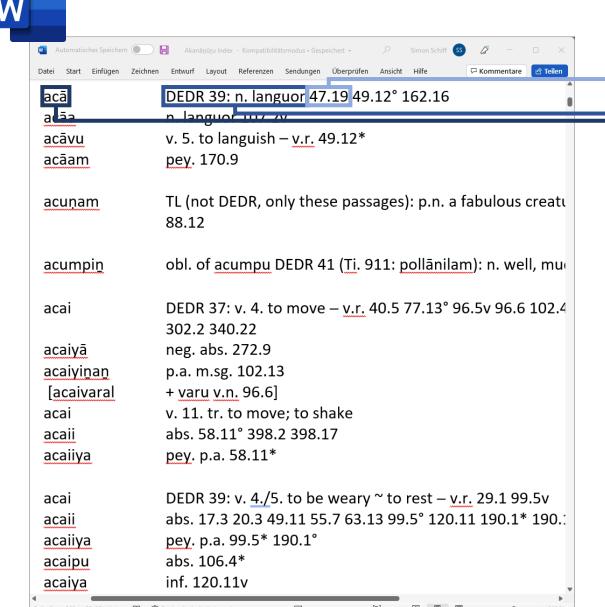
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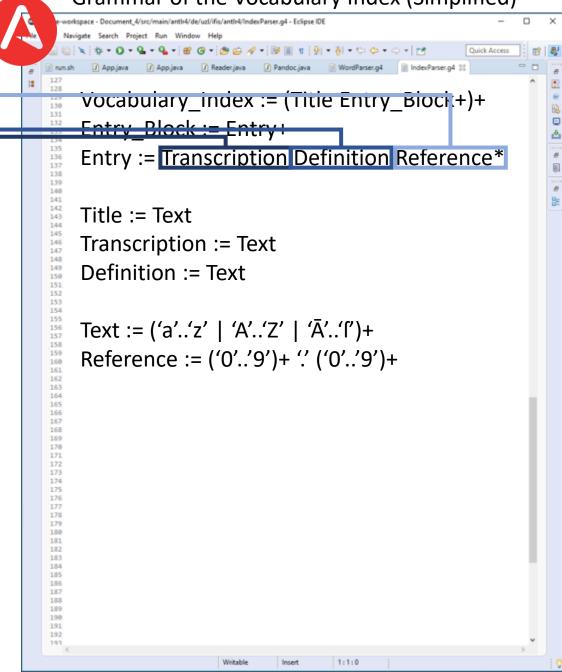


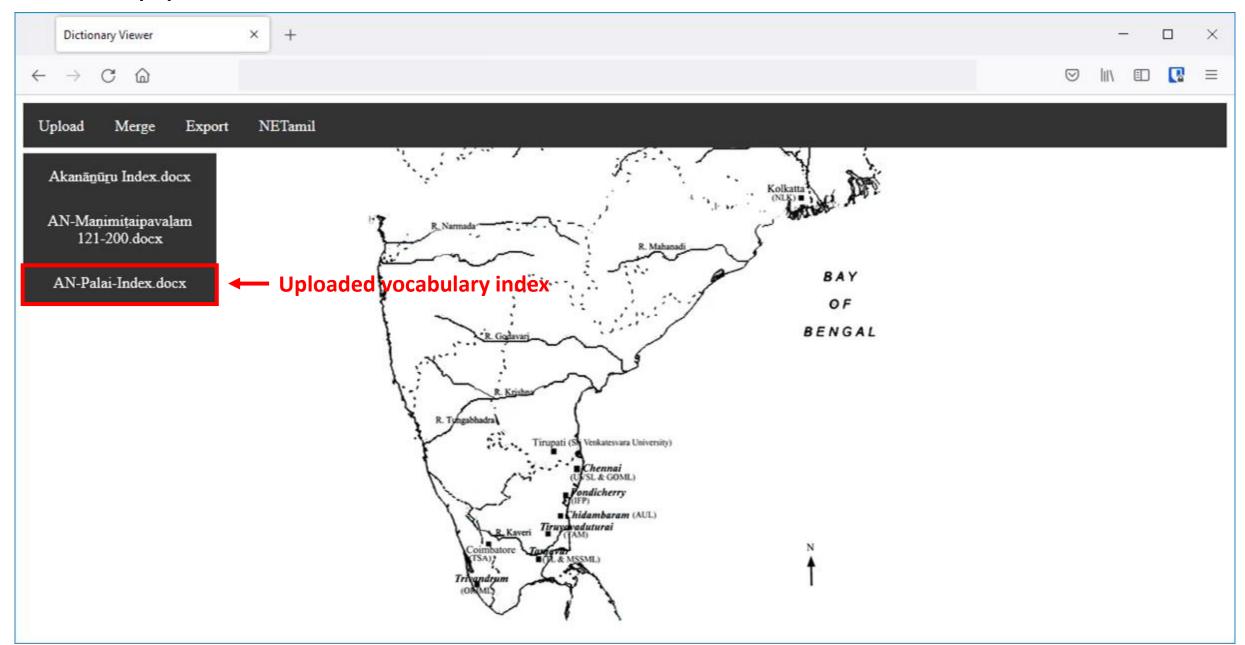


#### 1. Vocabulary Index

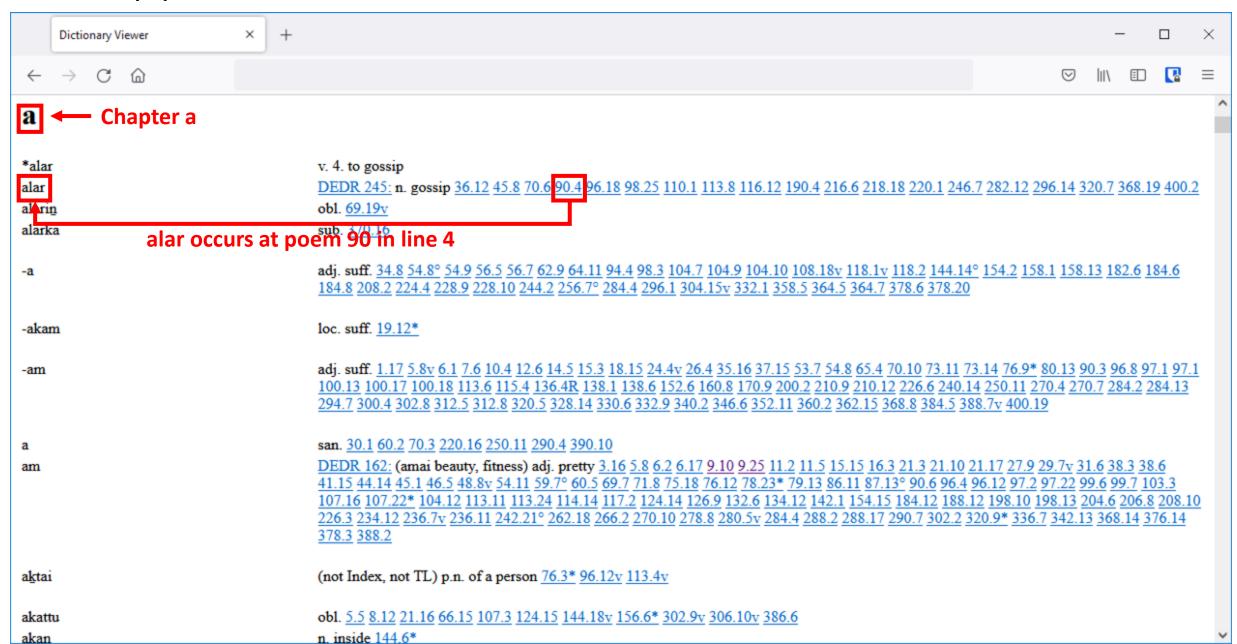


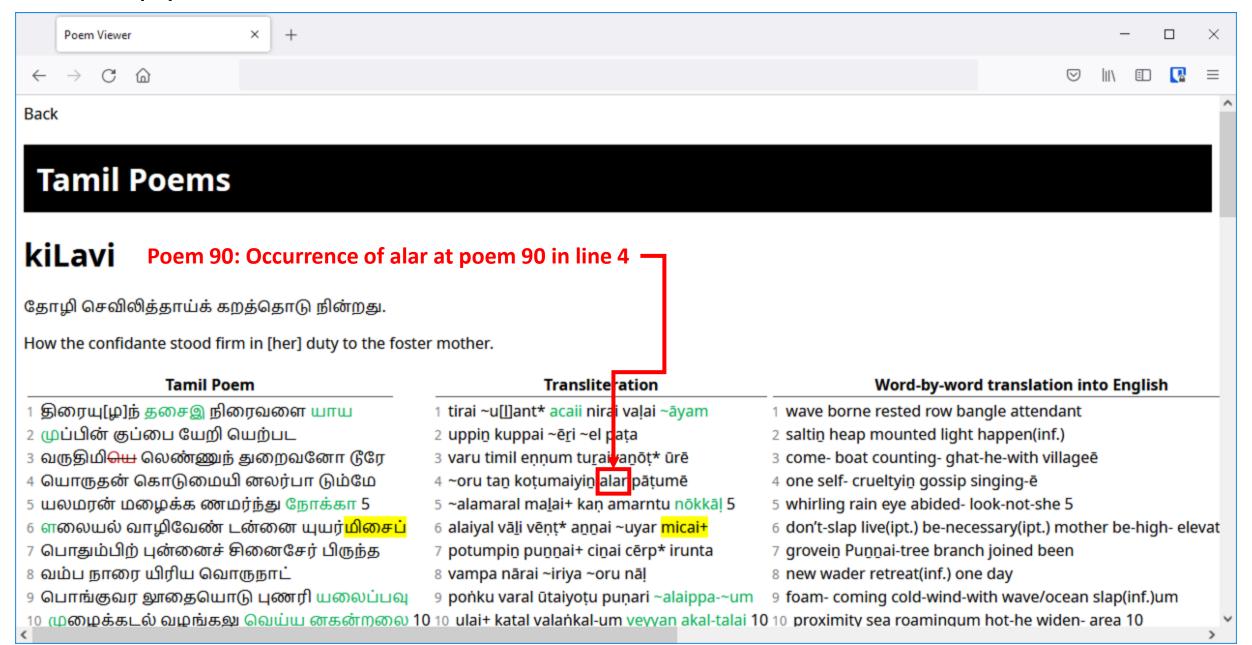
Grammar of the Vocabulary Index (Simplified)

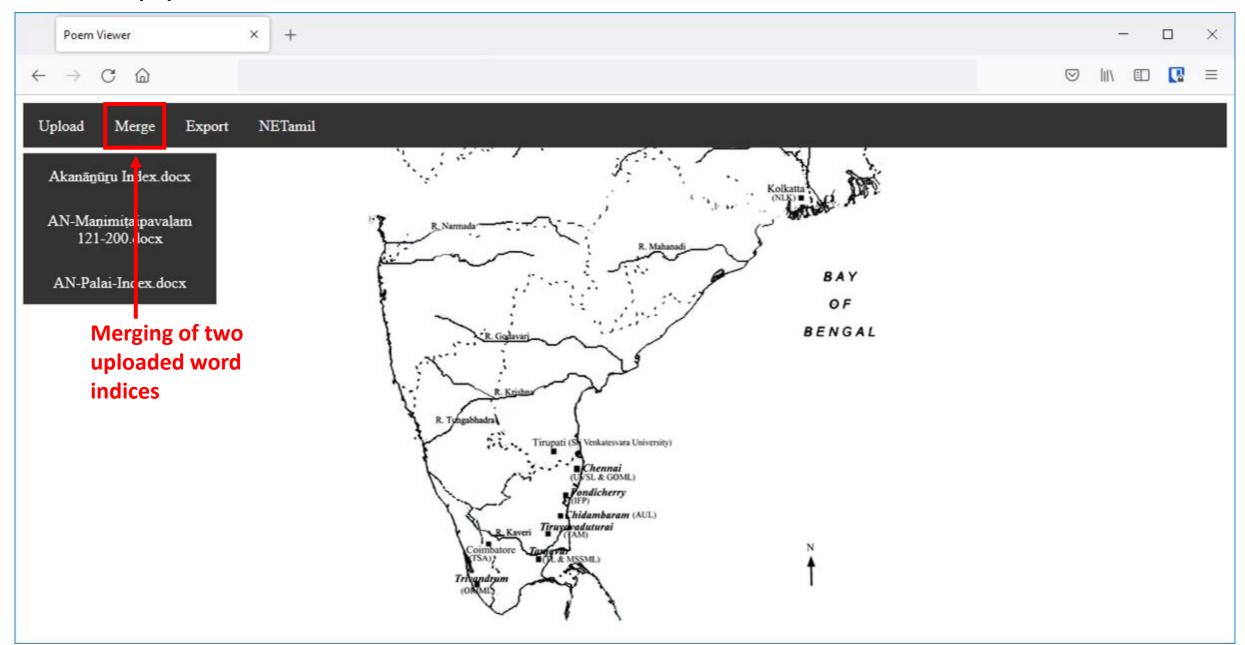


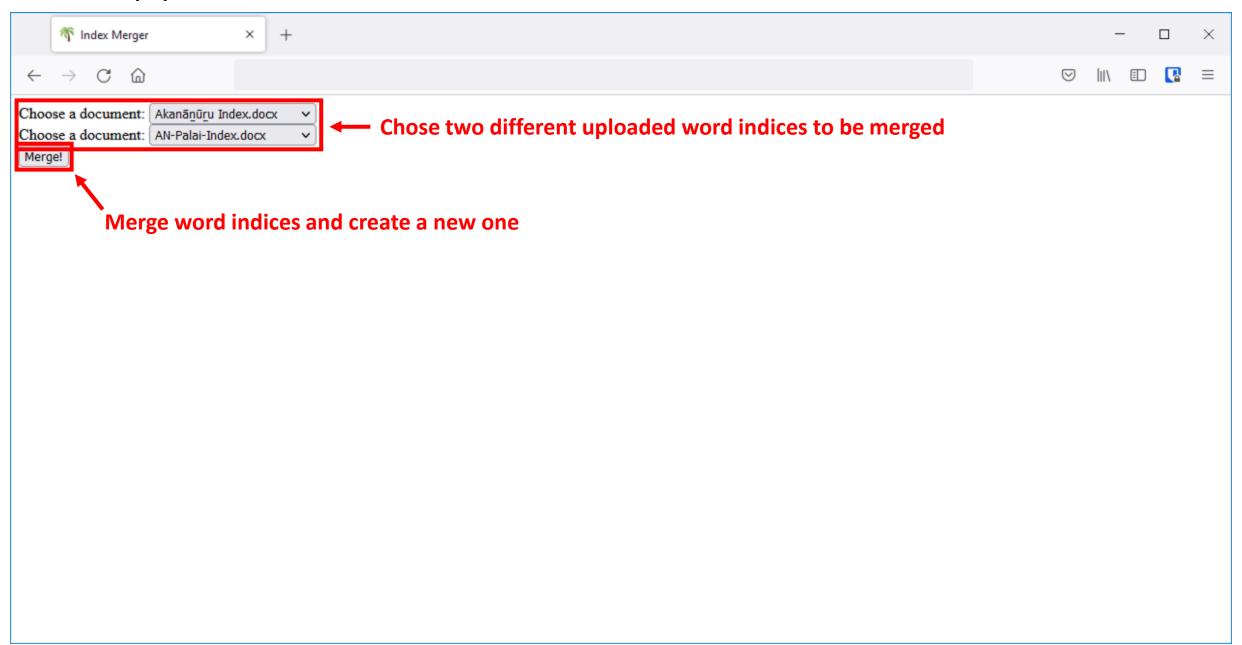








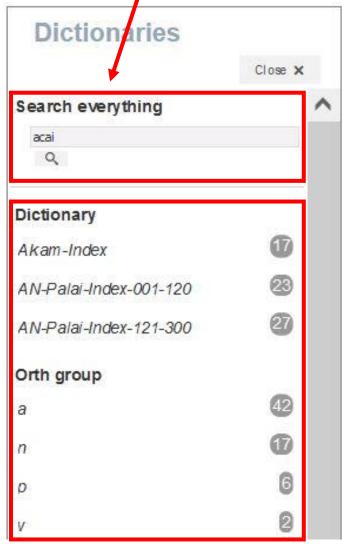




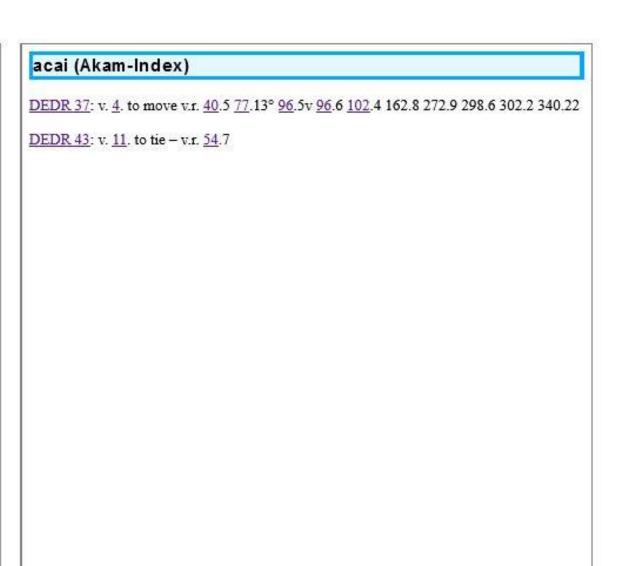


### Databasing on Demand with an Interface for IR

#### Enter a query as a sequence of words









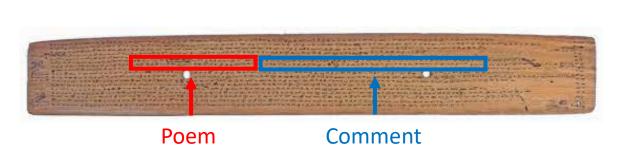
### Conclusion and Future Work

#### Our solution:

- Extension and not a replacement
  - Keep preferred tools and document formats
- Time needed for specific tasks reduced by several weeks
- Extensions are more likely to be accepted
- FAIR principles met (For instance Reusability¹)

#### **Future Work:**

We aim to keep an IT-expert away from the process



<sup>1</sup>Bender, Magnus, et al. "Identifying and Translating Subjective Content Descriptions Among Texts." *International Journal of Semantic Computing* 15.04 (2021): 461-485.

