

Theo Brandsma, Royal Netherlands Meteorological Institute (KNMI)

ACRE meeting Corfu 23-27 September 2024

Foto: Scherls Bilderdienst, Nationaal Archief



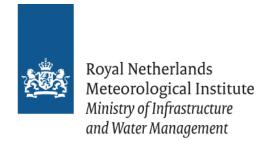


#### Consortium



# UNIVERSITY OF TWENTE.





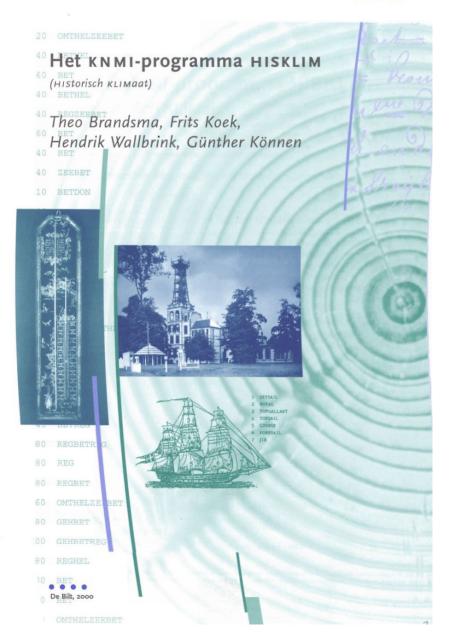


## Dutch maritime logbook data

KNMI-publicatie 191

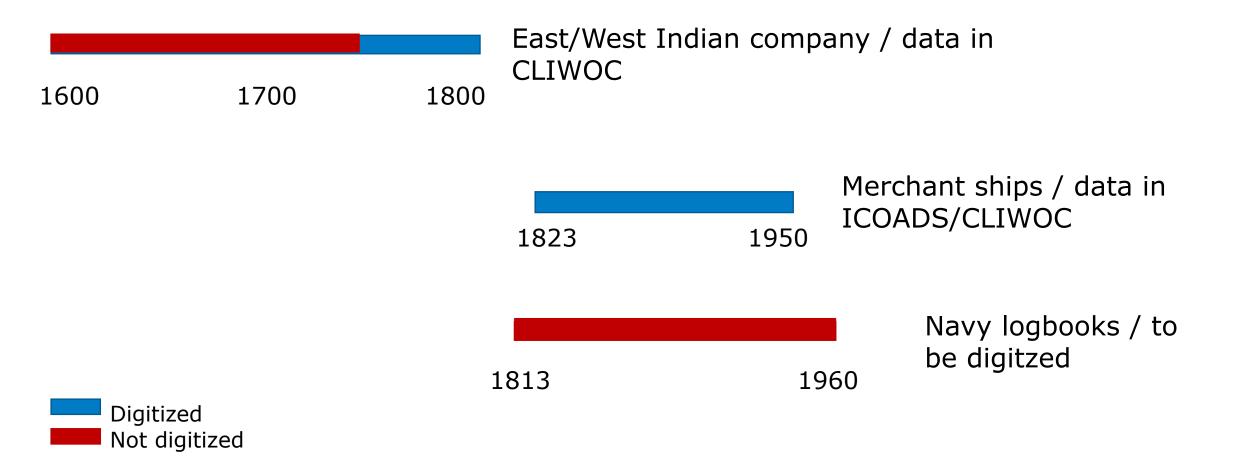
HISKLIM 1





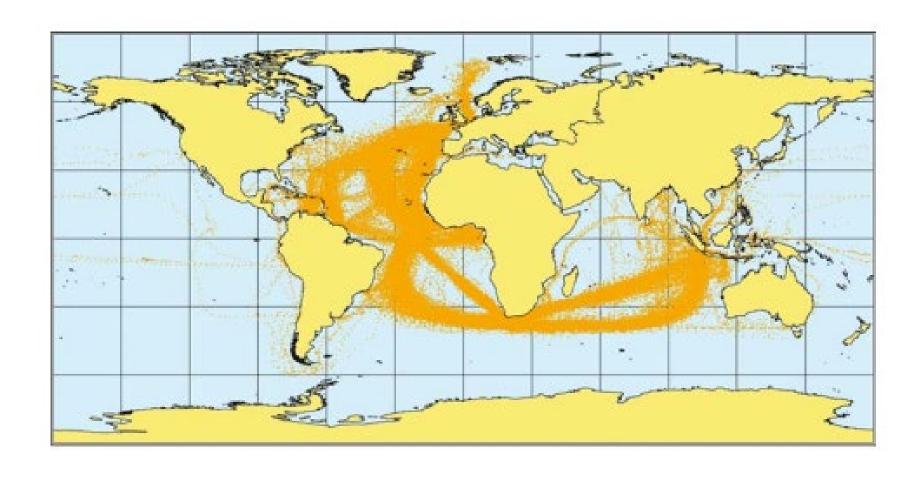


#### Dutch maritime logbook data





#### Destinations of navy ships



Positions of Dutch ships in CLIWOC 1750–1854 Konnen and Koek, Climatic Change 2005.





Jan Africa naar America for Section Dil and Lab, & /ge. kielte bew. Link, met Zeer weining teagen. Namen feet testire to bedching this D'roof Camere! hat in de Spend Risten borgen en des den 100 02. Rogelis a 22000 weeder en Ode 132007 Lames, one het Schope meer Stein ladley hebben . Perleiden de Codyparfon van 8' op 6: delienerale geg: Boerden Virheid 1 42' 1013: 1º 42' 206 Serv. d: 2.46 Seadow it? 24' Brownt lange Dr ange M'12



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Observations of warships leave much to be desired. Many officers consider it as a service task which does not stimulate the scientific quality. We are considering abolishing it entirely.

(Buys Ballot, end 19th century)





Since the introduction of a rewards, the logbooks of warschips, in the past completely insufficient, can now compete with the best, and my goal, to obain good observations, is reached also for warschips

(Buys Ballot, end 19th century)

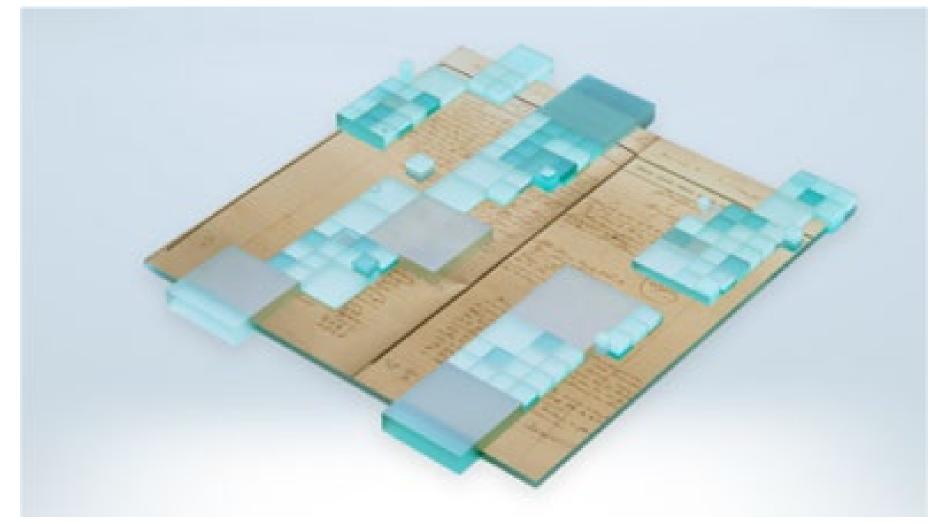




1. Imaging



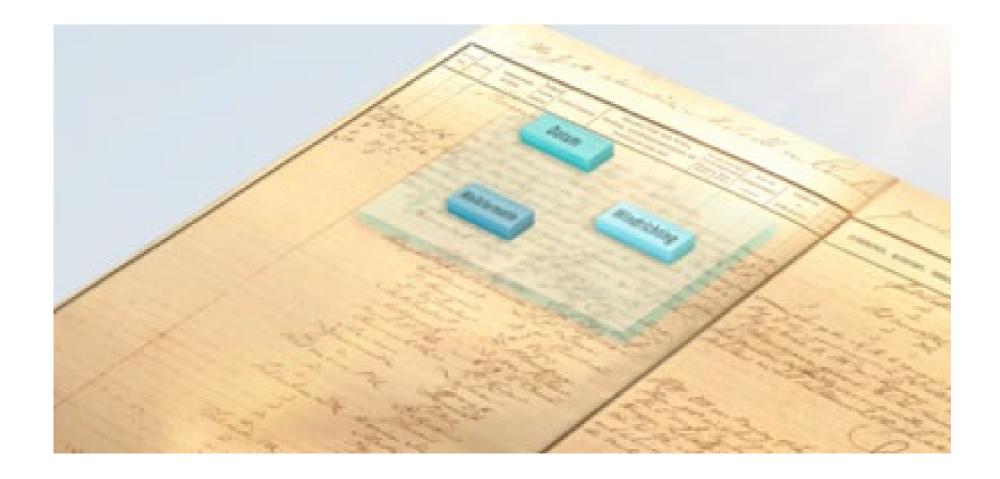




2. Transcribing using AI and HTR



Detect the weather observations using LLM







3. Checking the transciptions using citizen scientist





1. Climate change research



- 1. Climate change research
- 2. History of the Dutch navy



- 1. Climate change research
- 2. History of the Dutch navy
- 3. Innovation



#### **Current status**

- We produced a bidbook and a demonstrator to obtain funding
- 2. The project will cost about 5.000 kEur and is expected to last 6 years
- 3. If funded the project we will start early 2025