SKETCH MAPPING IN GEOGRAPHY EDUCATION
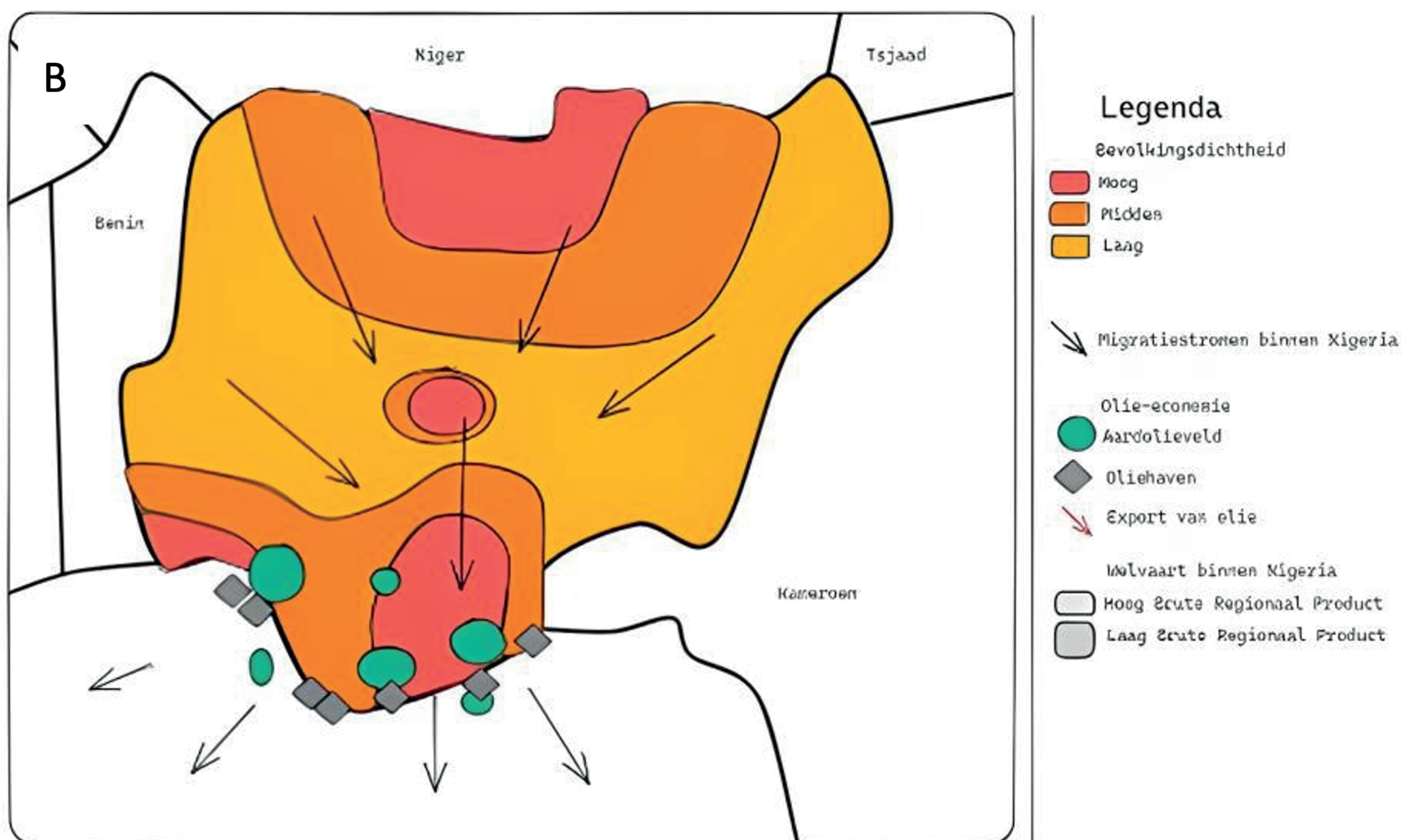
WHY OF INTEREST?

- most proliferent in France (croquis)
- was uncommon in Dutch education, but currently getting lots of attention in curriculum development
- a tool for **geospatial thinking**:

  "a set of abilities to visualize and interpret spatial concepts like position, distance, relationships and change through space"

A PROTOYPE TOOL

- 1st mock-up based on literature & existing tools
- appraised by experts in **focus group** to find user- and technical requirements
- prototype created based on Exalidraw tool (Javascript + React)
- template created by teacher, based on curriculum and classroom
- students can then freely add: lines, arrows, patterns, colours, text, etc.
- check it out at: https://kartoweb.itc.nl/students/ matthiasvandenbrink/prototype/

TESTING IN THE CLASSROOM

- 4 classes (grades 2 to 5) at different levels (HAVO + VWO)
- 71 students + 3 teachers
- 3 different assigments
- observed and interviewed afterwards

RESULTS

- most user requirements were fulfilled
- technical problems (e.g. touch devices)
- more work needed to prove effectiveness, comparison with hand-drawing and collaborative sketching

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