Electricity Mix in the European Union

Project Proposal Pitch

GEO454 – Geovisualisation

Group 7: Nils Besson, Julian Döbbeling & Oliver Keller

Research Question

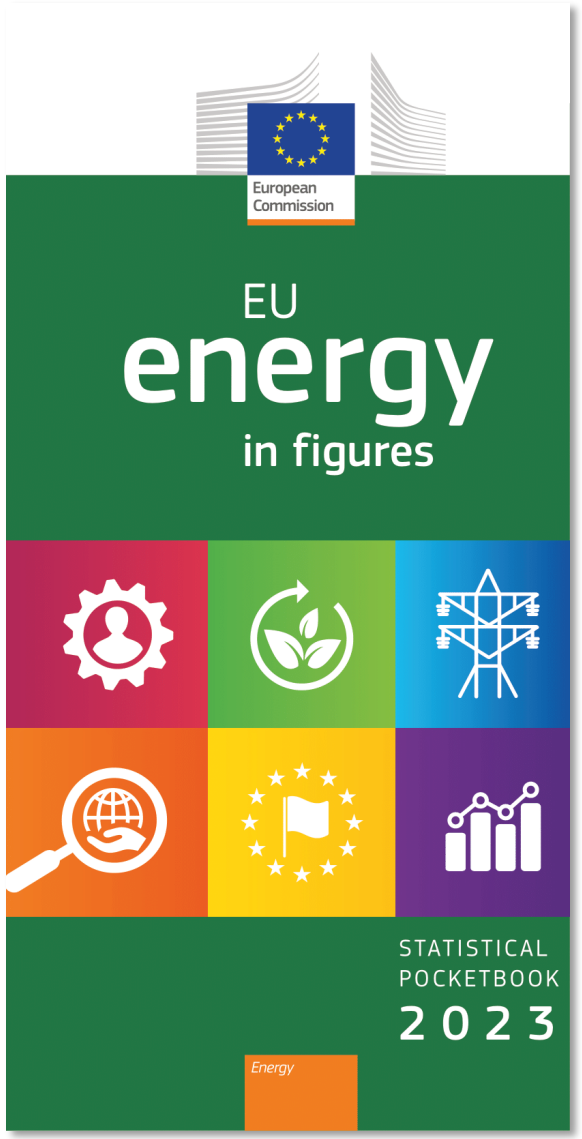
What kind of energy is used and traded in Europe?

- Energy trade is necessary for reaching this goal
- Trade can be depicted nicely on maps to show relations, flow directions and even amounts

UN Goal 7 **AFFORDABLE AND CLEAN ENERGY**

"ensuring access to affordable, reliable, sustainable and modern energy for all"

Data Sources



EU energy in figures

- Published by the Directorate-General for Energy of the European Union
- **Annual overview** of **energy production**, consumption, greenhouse gas emissions, **imports** and brief socio-economic statistics
- Newest dataset of **2023**
- Data for the EU as a whole and for **individual (EU) countries**

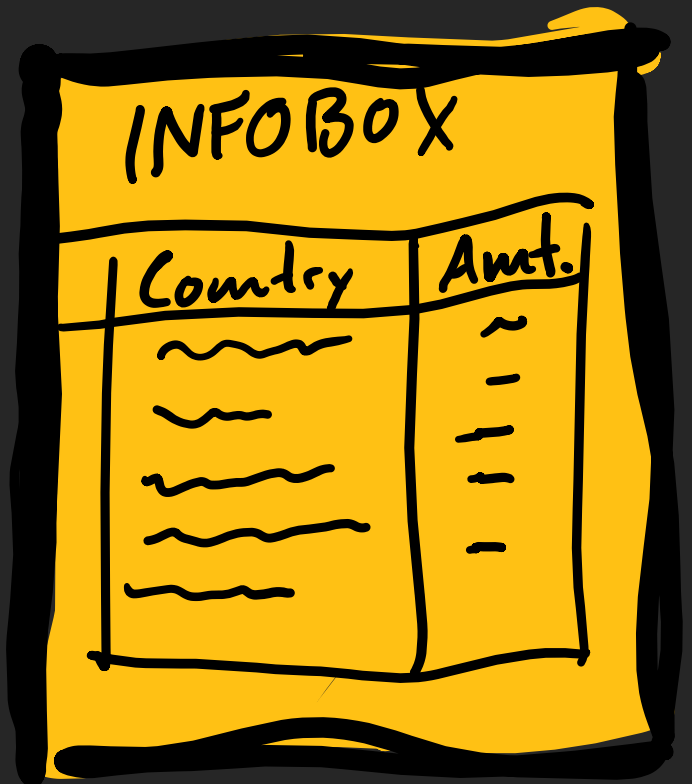
Data sources are one of the main limiting actors of the project

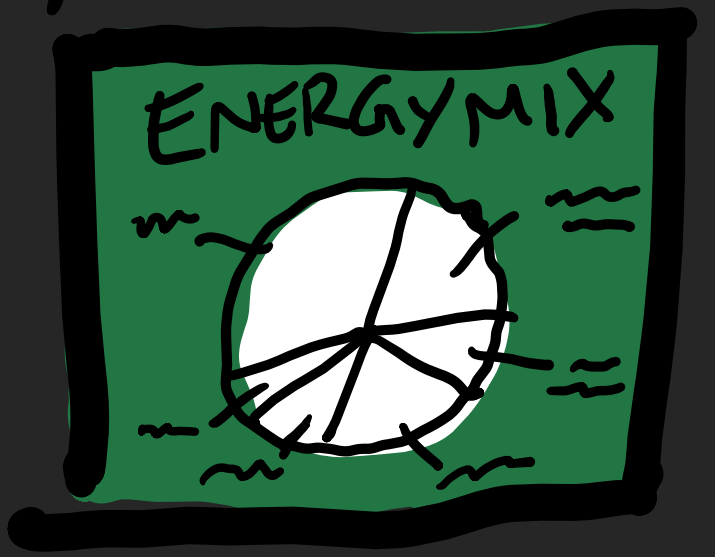
Web Map

IMPORTS

Legend



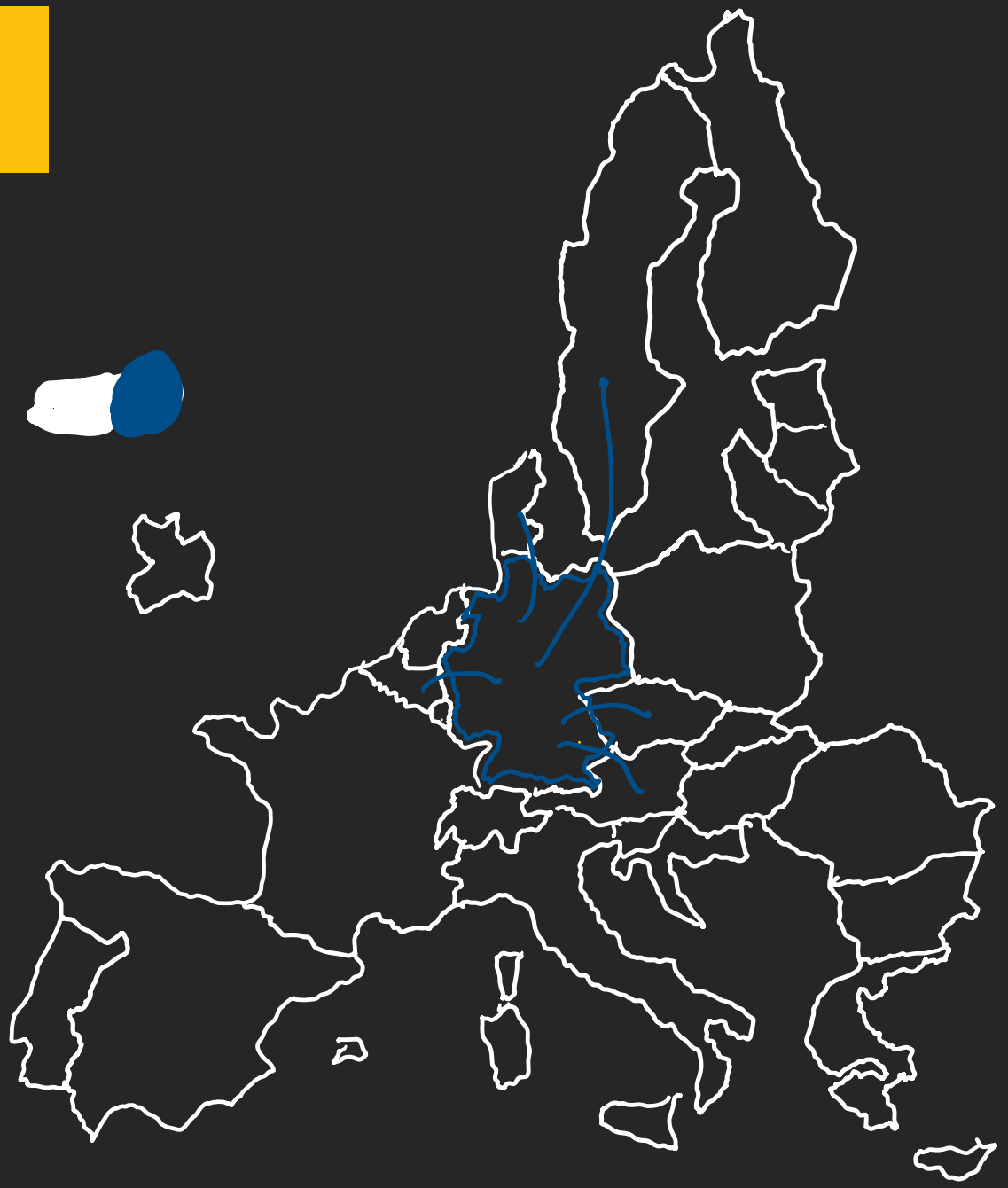




Web Map

EXPORTS

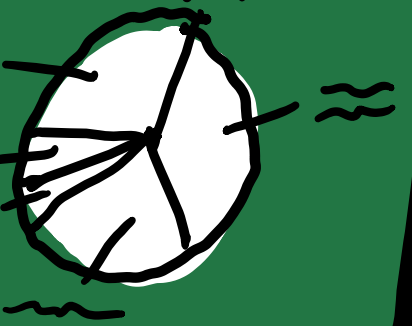
Legend



INFO BOX

Country	Amt.

ENERGY MIX



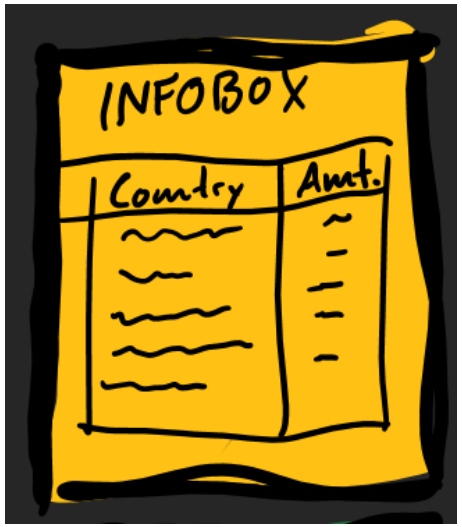
Components

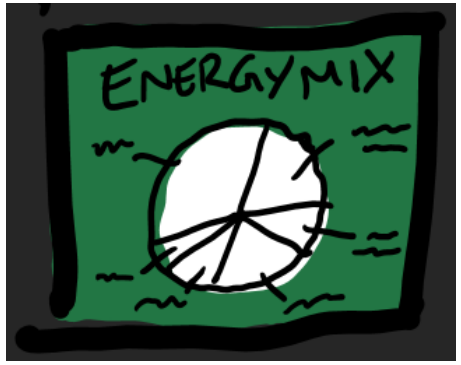
- **Map**
  clickable countries, highlighting, flow lines
- **Imports/Exports-Switch**
  clickable switch to chose dataset
- **Legend**
  explaining map content
- **Infobox**
  listing trade partners and amounts (ranking)
- **Energy Mix**
  Pie chart of energy mix of chosen imports/exports











Schedule & Workflow

Progress

Initiation – Feb
Topic brainstorming & research
Website building (test version)
Data research & collection
Concept development
rough map design

Proposal – 10.4.
Data preparation
Map creation
Website integration of map & data
Development of test version

Review – 8.5.
Optimization & finalization

Release – 28.5.

Responsibilities



Oliver - *funny guy*
presentations,
documentation,
usability tests



Julian - *web guy*
website, programming,
interface design



Nils - *map guy*
map design, data,
visualizations

Thank you for your attention!

