

Title: Yir pollution

Author; Elke Ie

Date: 27/03/2024

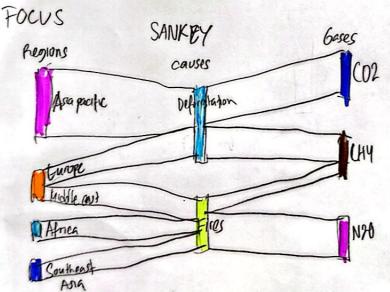
Sheet: 2

Torsk: Visualize which causes

from LULUCF most significant

OPERATIONS

- User can hover over each visualisation to see tooltip
- user can hover over stream graph to focus on a sector by spacity
- chloropleth map can be clicked to change the data shown by stream a bar graph



- Bigger hand/node signify higher GHG emusion flow
- · color hue for each node

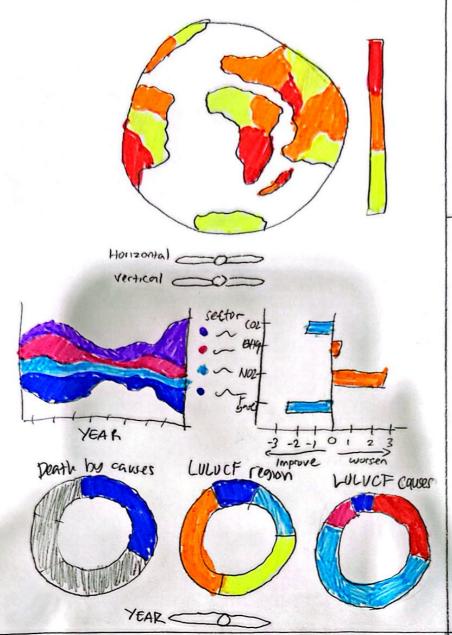
PUCUSIONS

- Stream graph show CO2 emission by general sector
- Bar graph show which year pass the threshold be considered as hazordous

PRO & CONS

Pro = Sankey is visually appealing & informative

cons = lar graph slightly redundant with map



Title: Global air quality

Author: Elke Ie

Date: 27/09/2024

Sheet: 3

Task: Show how gas emission

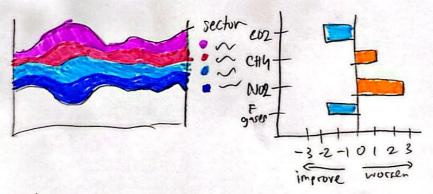
change from 2000 to

2022

OPERATIONS

- vertical & horizontal
 slider in map to rotate
 them
- Slider in donut charts to change the year depicted
- hover over charts to see tooltips
- map used to change the data in stream s bar graph by country

FOCUS



e know which sector contribute the most & which year produce the most CO2.

Immediately know
 which gases improve
 /worren by emission
 change from
 2000 to 2022

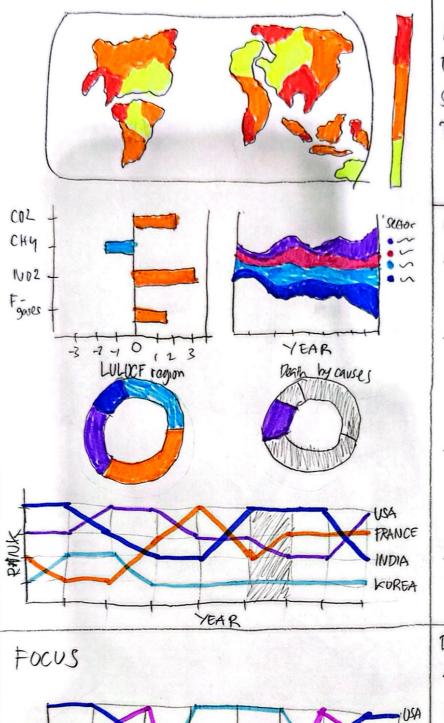
DISCUSSIONS

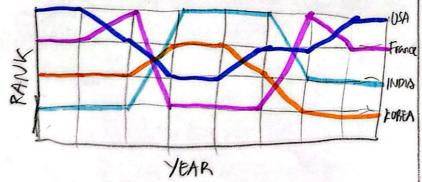
- 3 donnt charts
give overall comparison
out of 100% in each
data

Pro & cons:

pro = · Piverging bar
graph is very effective
to show changes

cons = . Donnt charty
are too much =
a bit redundant





- · color hue to differentiate each country
- o up to top 10 ranking

TITLE: Air infocus

Author: ElkeIc

Date: 27/09/2024

Sheet: 4

Task: Show the ranking of each country based on 2.5 PM concentration

OPERATIONS

- hover over each charts to see toolthas
- hover over stream graph to focus on a sector bas the opacity is adapted
- press/click on the line in the bupp chart to focus on a country
- map is used to change the obta Shown in Stream & diverging bor graph

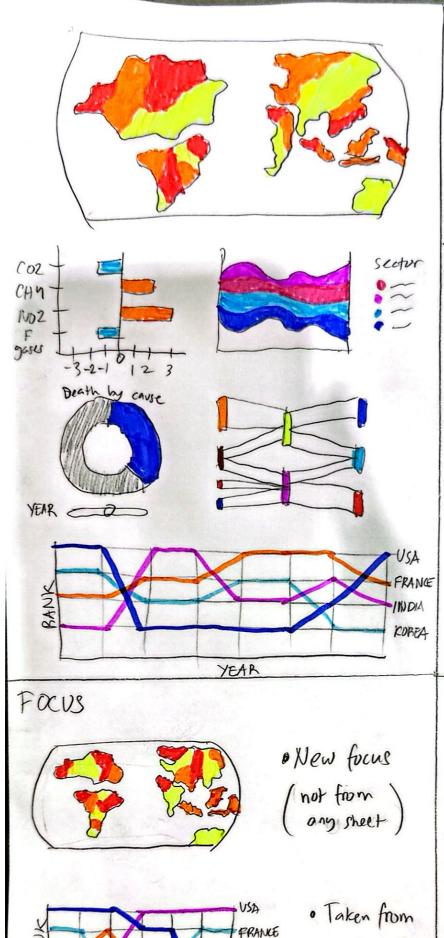
DISCUSSIONS

- Bump chart might take up space, leads to less words/discussions

pro & cons

pro = · Bump chart is very effective to show ranking

cons = . Not much cons, just less word due to bump chart



Title: Beyond the smay

Author: ElkeIe

Pate: 28/09/2024

Sheet: 5

Task: Show global air quality & the top 10 country ranking

OPERATIONS

- click on map to change the data shown in bar & stream graph
- slider in donut chart to change the year data depicted
- click on a country in bump chart to focus on a country (charge opacity)
- to focus on a sector (change opacity)

DETAIL

- ornight need a lot of data preprocessing
- need effort (understand code)

Time to finish

· 2 weeks

Cost

sheet 4

focus

INDIA

KOREA

YEAR

· None

Requirements

- · Width not exceed standard desktop
- · At least 1 map graph

