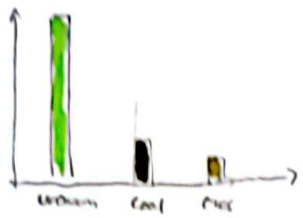
IDEAS

① Bar chart showing how much energy produced per ton



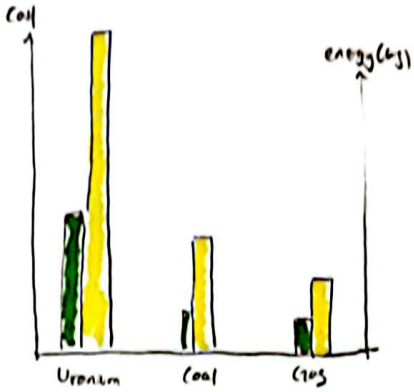
② Pie chart showing Australia Uranium reserves vs global reserve over time

③ Heat map showing uranium deposits at mine locations

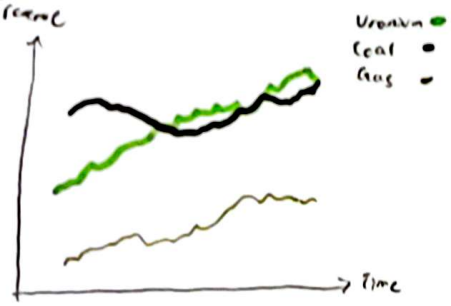
④ World map showing deportations of Uranium export

• size of arrow represents tons

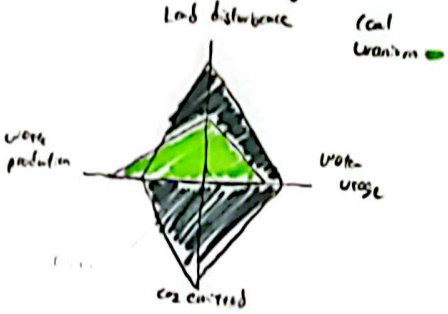
⑤ Dual axis bar chart coal to run electrical plant vs energy produced



⑥ Line chart showing economic contribution of uranium vs other sectors over time



⑦ Radar chart showing environmental impact of each energy source



⑧ Energy density of uranium vs other materials

FILTER

① Bubble chart is not very insightful to the overall topic

COMBINE

- ① can be merged w/ ⑤
- ④ can be shown through ⑤ as well

CATEGORISE

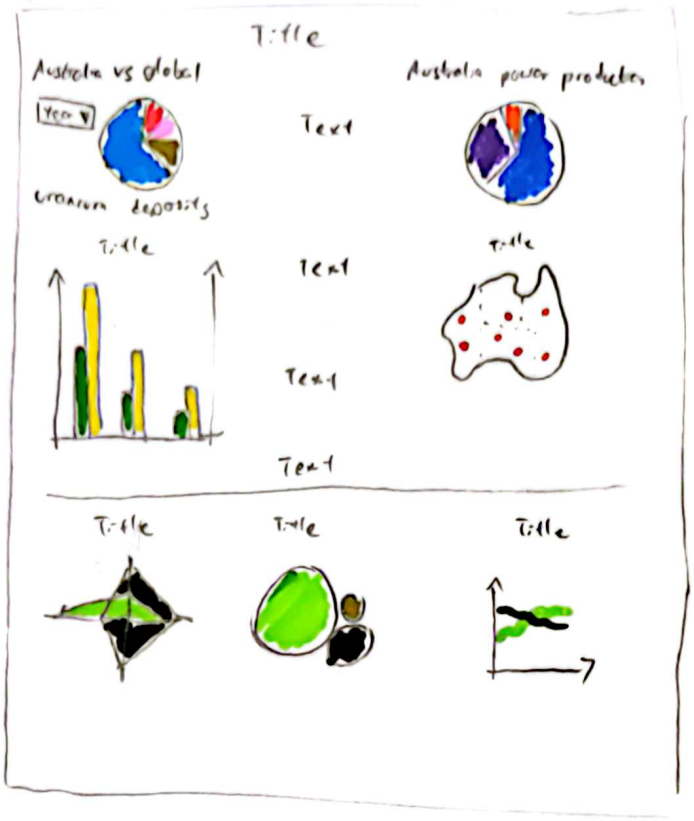
Quantitative

- tons of material mined / processed
- tons of waste product produced
- Energy (KJ) produced

QUESTIONS

- Is ⑦ clear enough?
- Maybe a chart to show uranium processing flow?
- Maybe another line chart to show price of resources

LAYOUT



Author : Nigel Law

Date : 16/09/2024

Sheet 2

Title : Why Australia should switch to Uranium power

Description: Infographic showing why Australia should switch to nuclear power

Focus

- Bottom of infographic shows advantages of nuclear power over coal plants
- Top half explains why Australia can benefit from large deposits

Operation

Year

Select different years to view information on different years

maps, click on states to get enlarged view

Pro's

short and simple

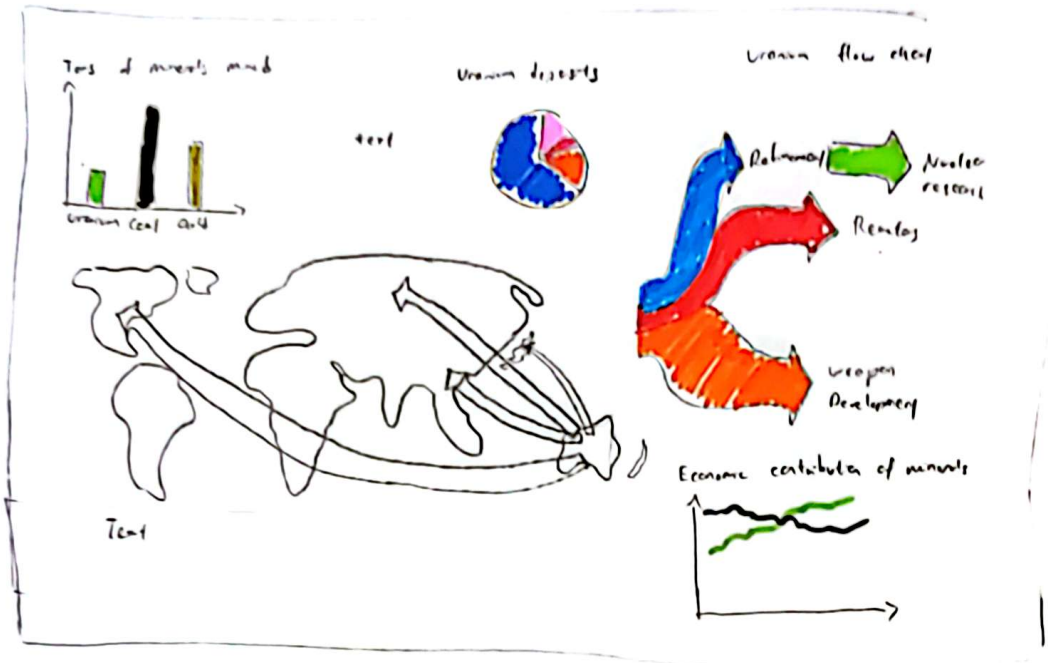
Focuses on few main points

Con's

might not flow well

Readers might not get the full picture

Layout



Author: Nigel Lam
Date: 26/09/2024
Sheet 3
Title: What happens to Australia's Uranium
Description: Infographic showing what happens to mined uranium and economic contribution of it

Focus

- Map of the world showing where uranium is getting exported to
- Sakey diagram showing what happens to mined uranium

Operations

- Highlighting each country on map reveals amount of uranium imported / mined

Pro's

- Looks impressive
- Shows detailed information about where uranium goes
- Presented clearly with graphs

Con's

- Not much other information
- Not much comparison w/ other minerals

Layout

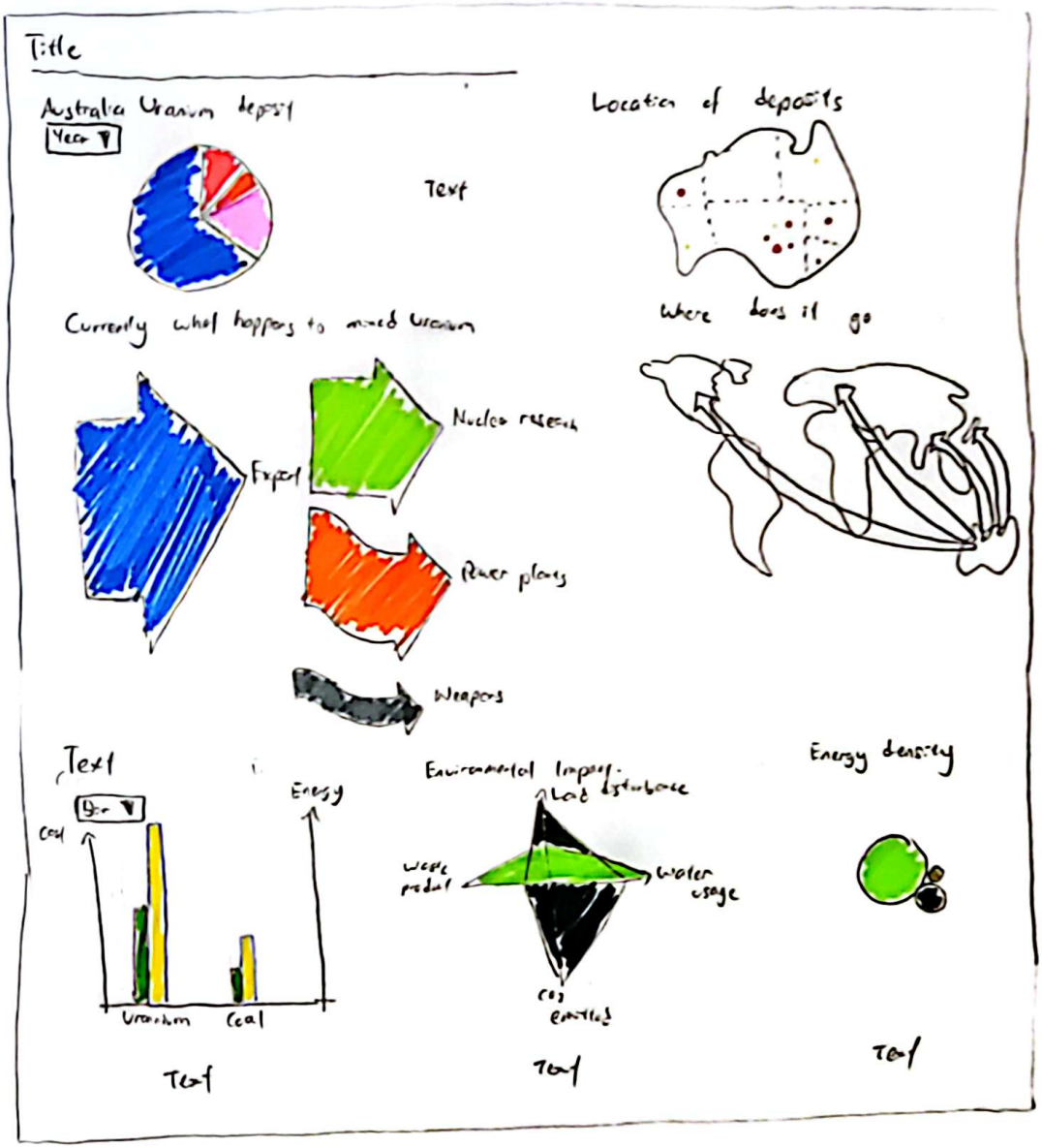
Author: Nigel Lam

Date: 27/09/2024

Sheet 4

Title: How Australia should make use of it's large Uranium deposit

Description: Infographic showing why Australia should aim to switch to nuclear power



Focus

- Flow chart showing what happens to all current mined uranium
- World map showing where does all current mined uranium ends up
- Top part shows basic information about uranium
- Bottom part explains why using nuclear power is beneficial

Operation

Year — To swap between years to show development of uranium deposit world wide

Pro's

- Good story telling, detailed statistics
- Interesting graphs

Con's

- A bit long
- Some graphs may be too complex, hard to understand

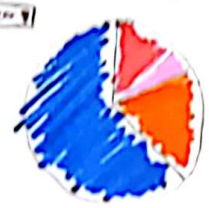
Layout

Spread on sheet 4

How Australia can make use of its Uranium deposit

World Uranium deposit

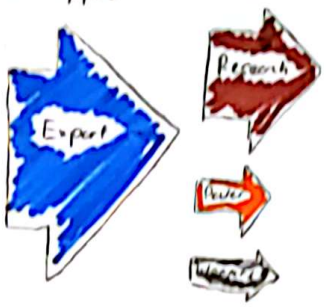
Heavy



Text

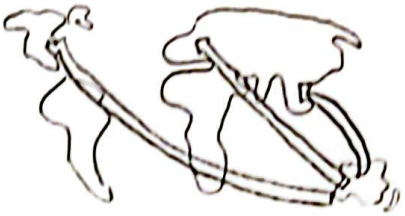
Location of deposits

What happens to used Uranium



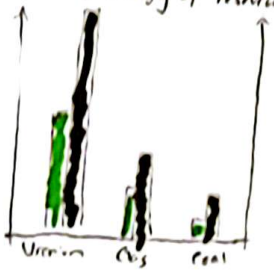
Uranium processing

Uranium Export



Cost vs Energy of resources

Bar



Environmental Impact

Energy Density

Text

Title: How Australia can make use of its Uranium deposit
Author: Nigel Lam
Date: 28/04/2024
Sheet 5
Description
Infographic showing the benefits of nuclear power

Focus

- Radar graph showing the pro's and con's of Uranium compared to other resources
- Flow graph depicting what are the current uses for Uranium

Operation

- Select Year to change different years of Uranium deposit % around the world
- Change side by side bar graph for pie chart for better comparison

Details

- Use vega lite editor + Github to host webpage
- Excel sheet to csv for data sets