

Ideas Threshold or Linear scale?

Sheet 1 Name Anthony Verbu 33114102 Date 29/09/24



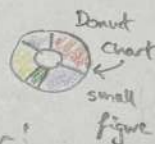
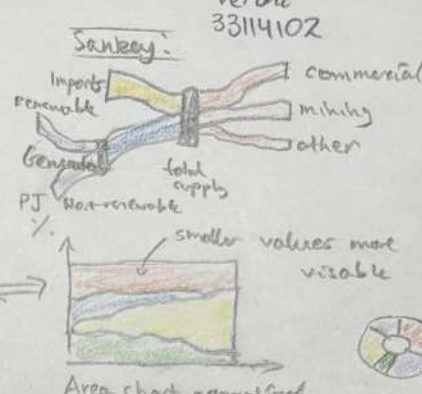
Tooltip
Exports
Supply
Population

Australia
Value stands
out

World Map

→ Diverging scale

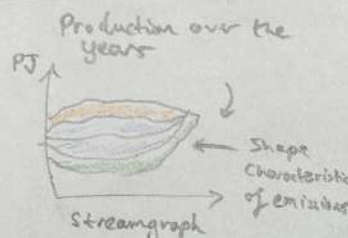
→ Choropleth map
Australia 5% largest exporter
of energy per capita **BOLD**



Filter

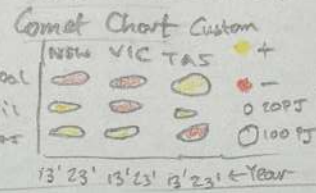


Linear scale
→ more insight
World Map



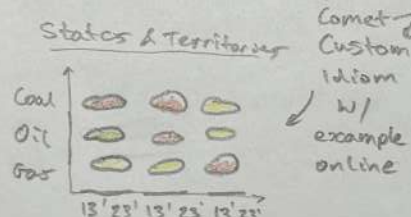
Shape
Characteristic
of emissions

States & Territories!

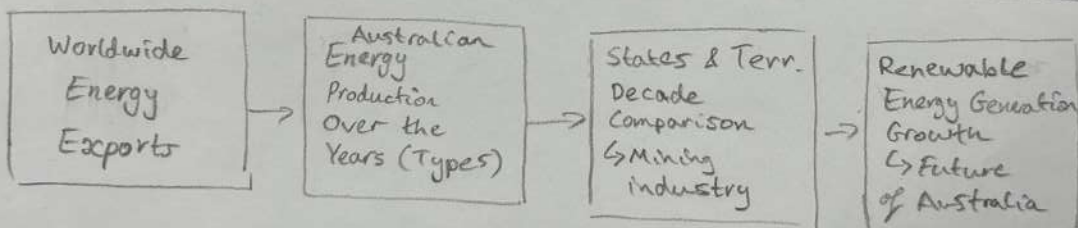
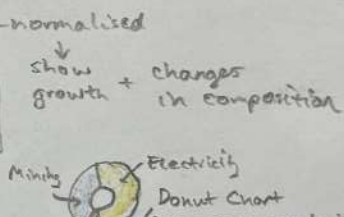
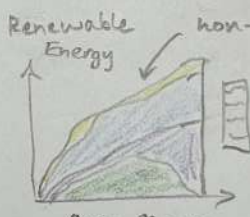


Categorise

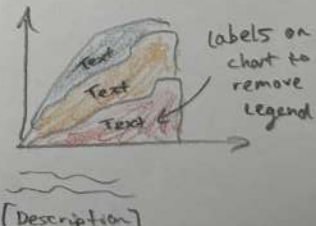
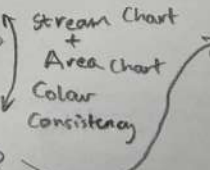
Hierarchy:



Comet
Custom
Idiom
w/ example
online



Combine & Refine



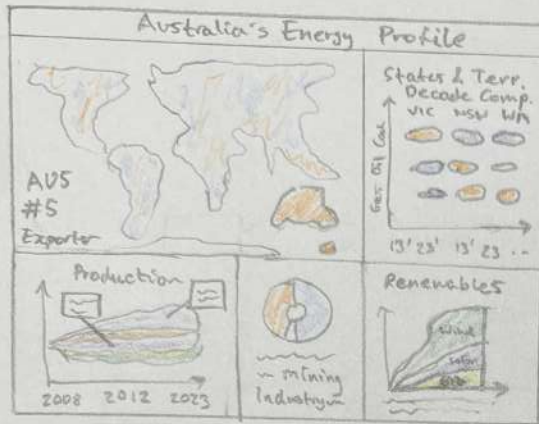
Colour Consistency
Use Blue & Orange
for Map + Comet chart
(Diverging) (Increase/decrease)



Summarise and question

- Will some charts be too cluttered?
- Is there a deep enough insight into Australia's Energy? → More charts?
- What additional interesting facts/text can be used for annotation

Big Picture / Layout



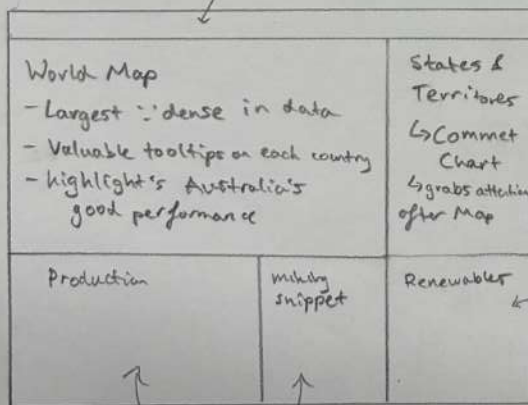
Parti / Focus

Size = Hierarchy

Sight Lines



→ stands out
Title → Display Typography



medium sized tiles
- brief descriptions
↳ mining
↳ abundance of natural resources

last tile in sight line
↓
future of renewables
↓
ending

Sheet 2,3,4

Name Anthony Verbni 33114102

Date 29/09/24

Title Australia's Energy Profile

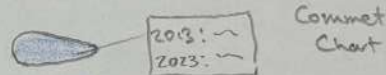
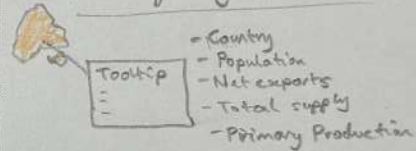
Description

Dashboard Layout

Components / Operations



Slider for years

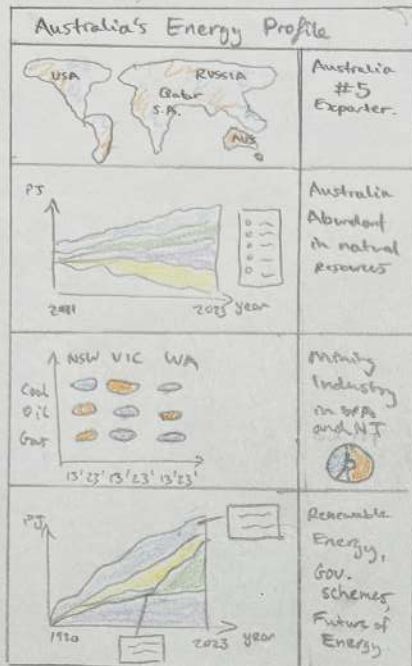


Commet Chart

↳ tooltip for exact values between decades

Pro & Cons

- Visually Appealing layout, different-sized tiles create interesting look
- sight lines may not be the clearest
↳ lack of storytelling
- map takes too much space
↳ focus needs to be on Australia
- Is Streamgraph & Area chart too similar?

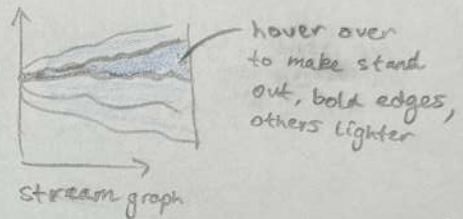


Title Australia's Energy Profile

Description

Storyboard layout

Components / Operations

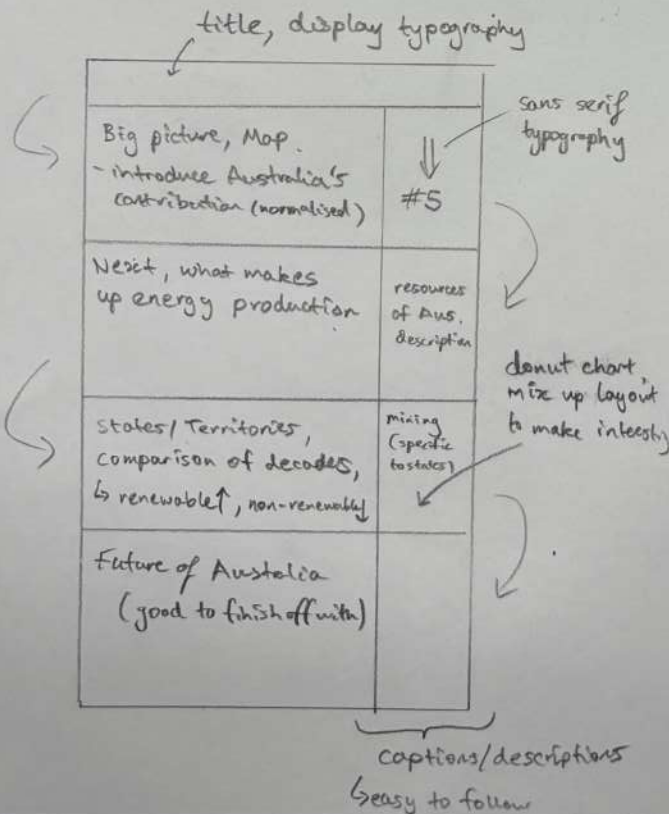


stream graph
QATAR ← text near countries with high exports/imports (e.g. Qatar relatively small on map)



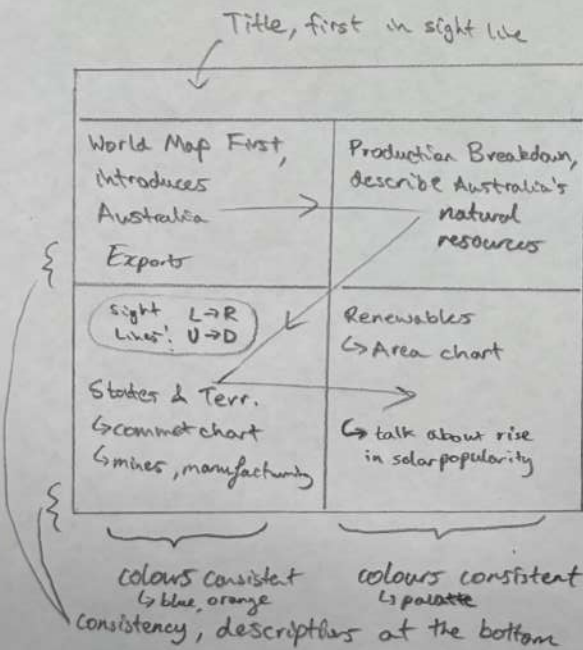
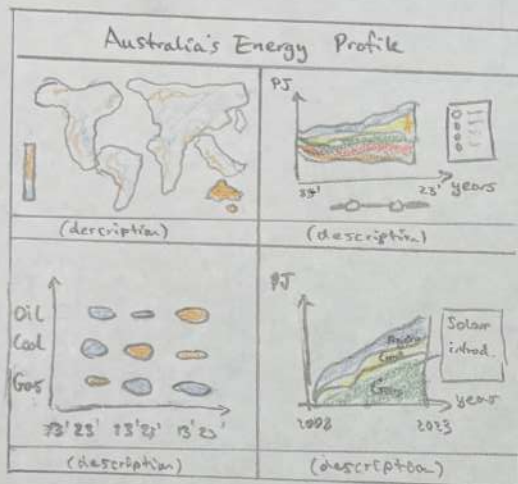
↑ Tooltip for quantitative insight into each resource

Parti / Focus



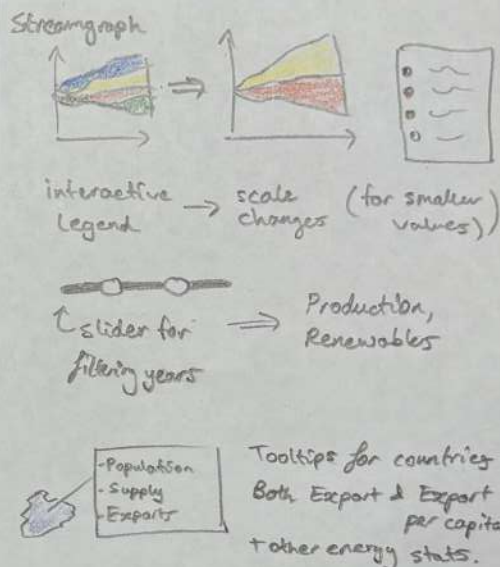
Pro & Cons

- requires vertical scrolling
- Clear storytelling & sight lines, most important at top, summarise at the bottom
- Layout interesting enough?
- Too much white space?



Quadrant Layout

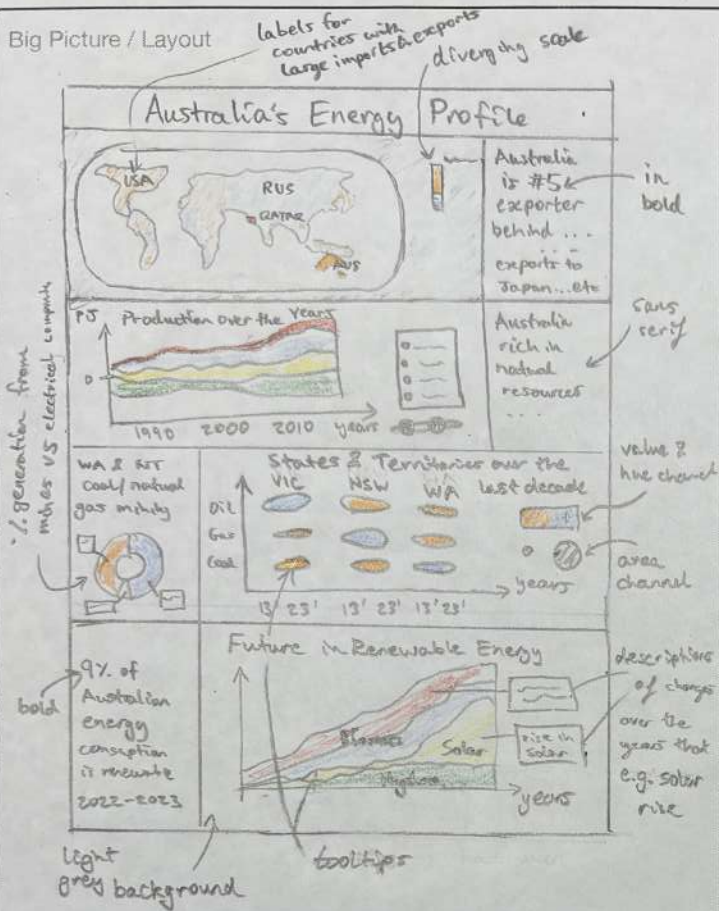
Components / Operations



Pro & Cons

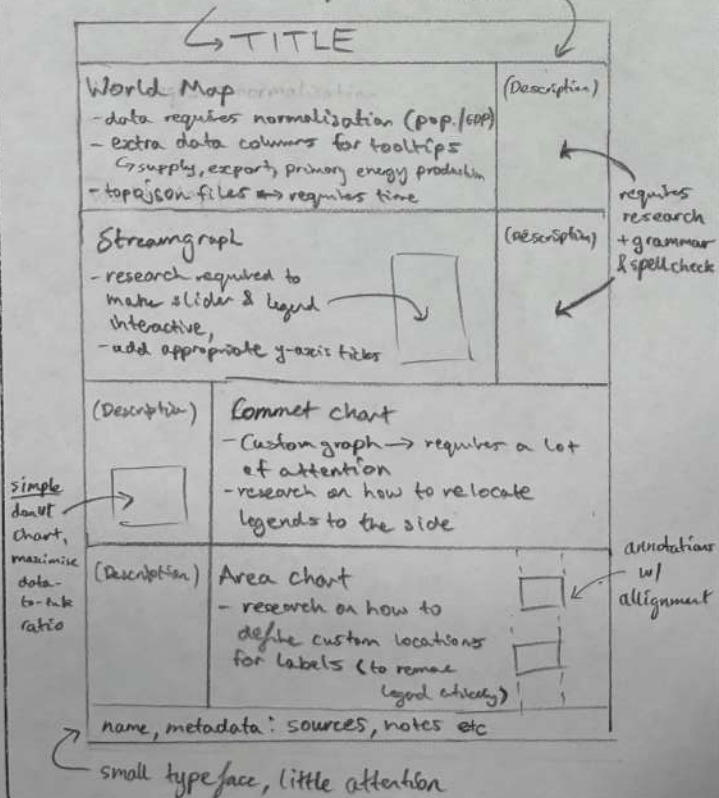
- adding little tiles disturbs symmetry
- clear sight lines: L→R, U→D
- consistency with description & chart locations
- too plain, not interesting enough layout?
- too much whitespace?

Big Picture / Layout



Part / Focus

display typeface, sans serif for descriptions



Sheet 5

Name Anthony Verbin 33114102

Date 29/09/24

Title Australia's Energy Profile Description

Final Design

Components / Operations

Slider

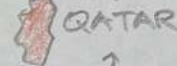


filter years for Production and/or Renewable

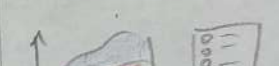


tooltip for comment chart, show data for both decades for quantitative insight

test near countries with high import/export values



e.g. Qatar has large exports, but small in area



Interactive legend

scale changes better view of smaller values

Details

- Data Cleaned in advance, normalise values w/ population (map), create Y.S.
- Process & Clean data (1 day)
- Create 4 main charts (2-3 days each)
- Create html/pure css layout (1 day)
- Clean up / refine (1-2 days)
- Use ABS, Aus Government Energy and VN. data - include all sources at the bottom of Viz.