

# Multimodal interface

(input modalities: touch, pen, speech)

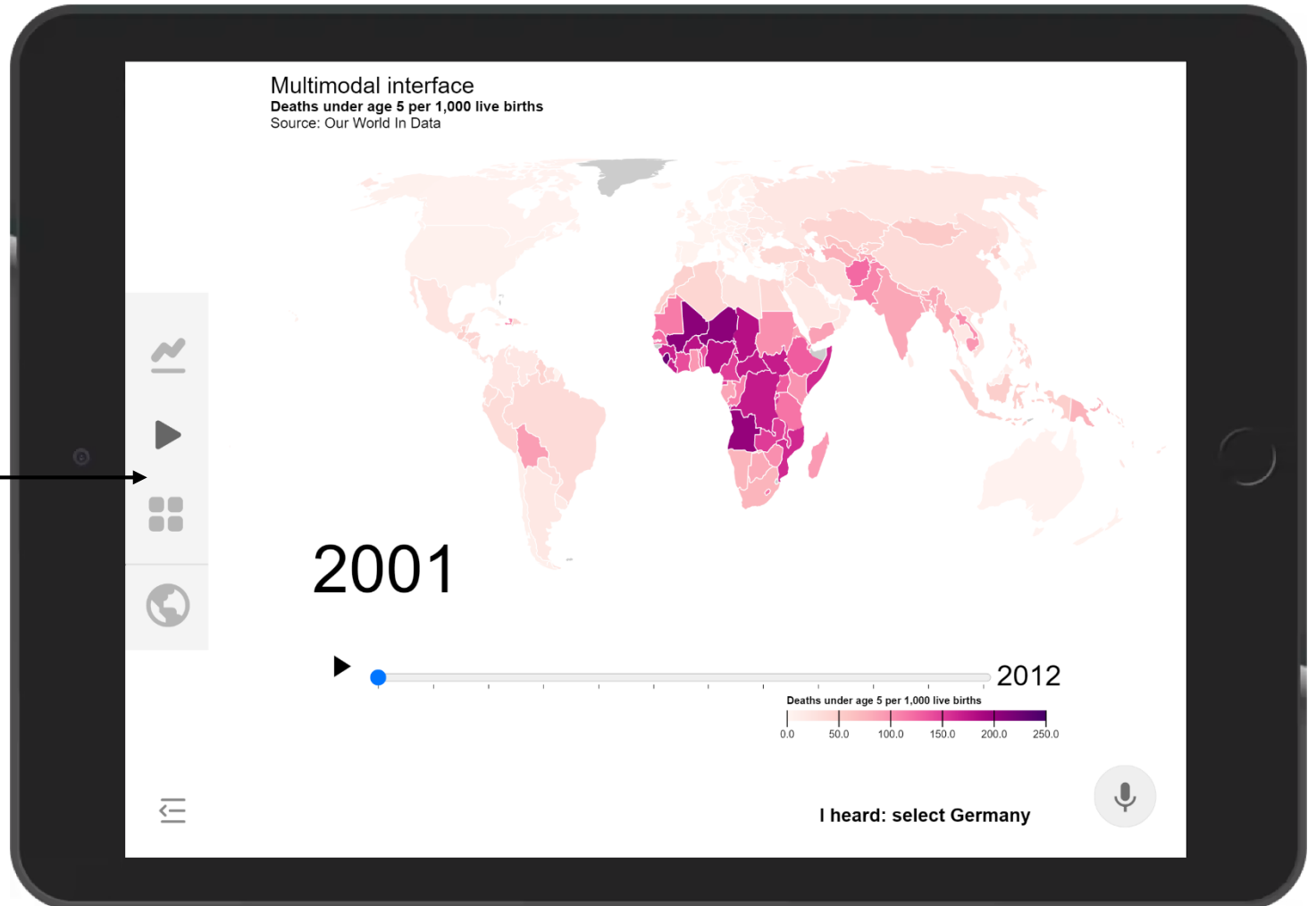
Introduction of the features

# Multiple views

1. Multi-line chart
2. Animated map
3. Small multiples
4. Detail view
5. Comparison view

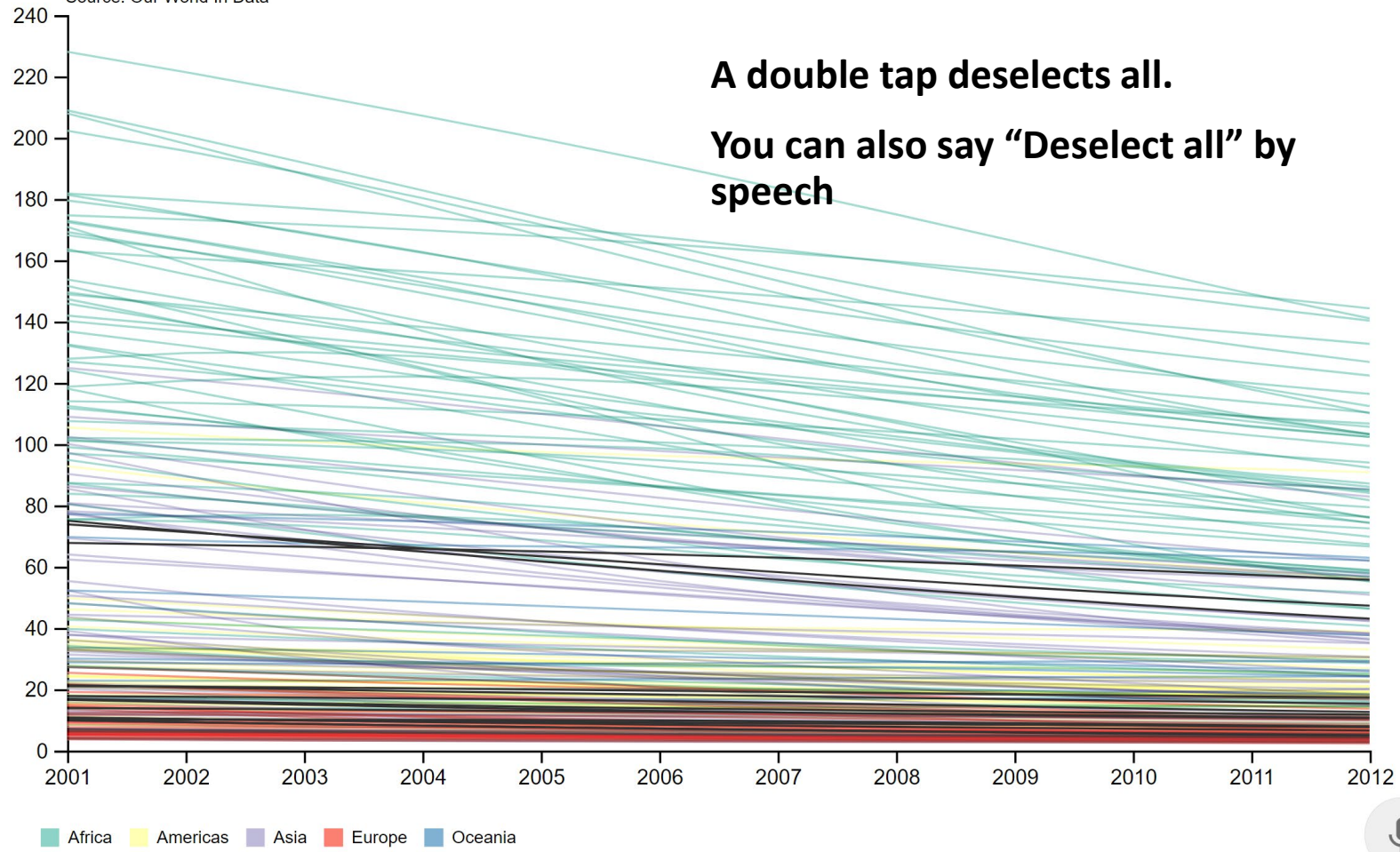
Use side bar to reach the first 3 views.

The detail view and the comparison view are reached through the small multiples.



# Multi-line chart

Multimodal interface  
Deaths under age 5 per 1,000 live births  
Source: Our World In Data



**A double tap deselects all.**

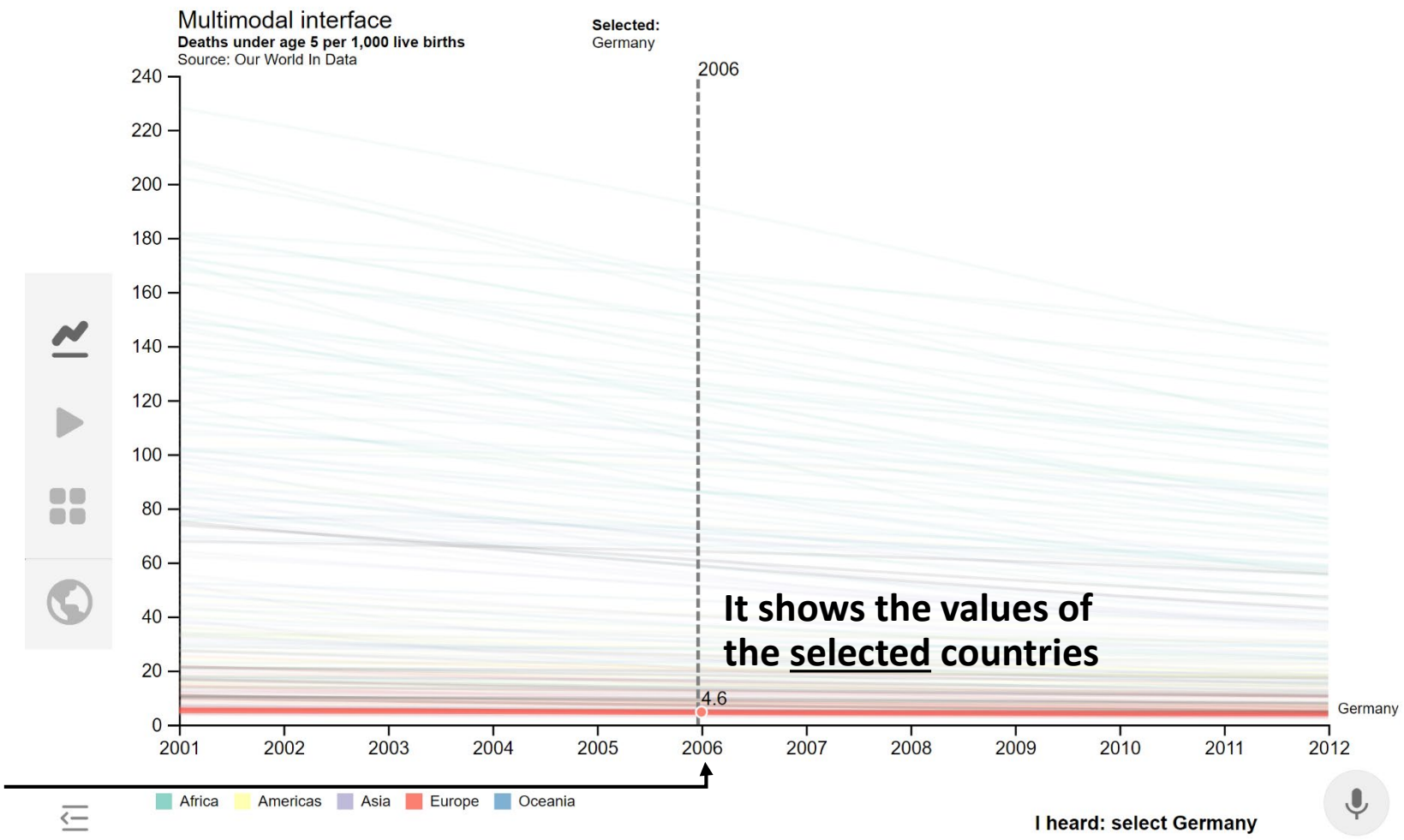
**You can also say "Deselect all" by speech**

**Select countries by speech, saying e.g. "Select Germany"**

**Press menu icon to show/hide side bar**



# Multi-line chart



Touch the x-axis with the pen to show the ruler

# Animated map

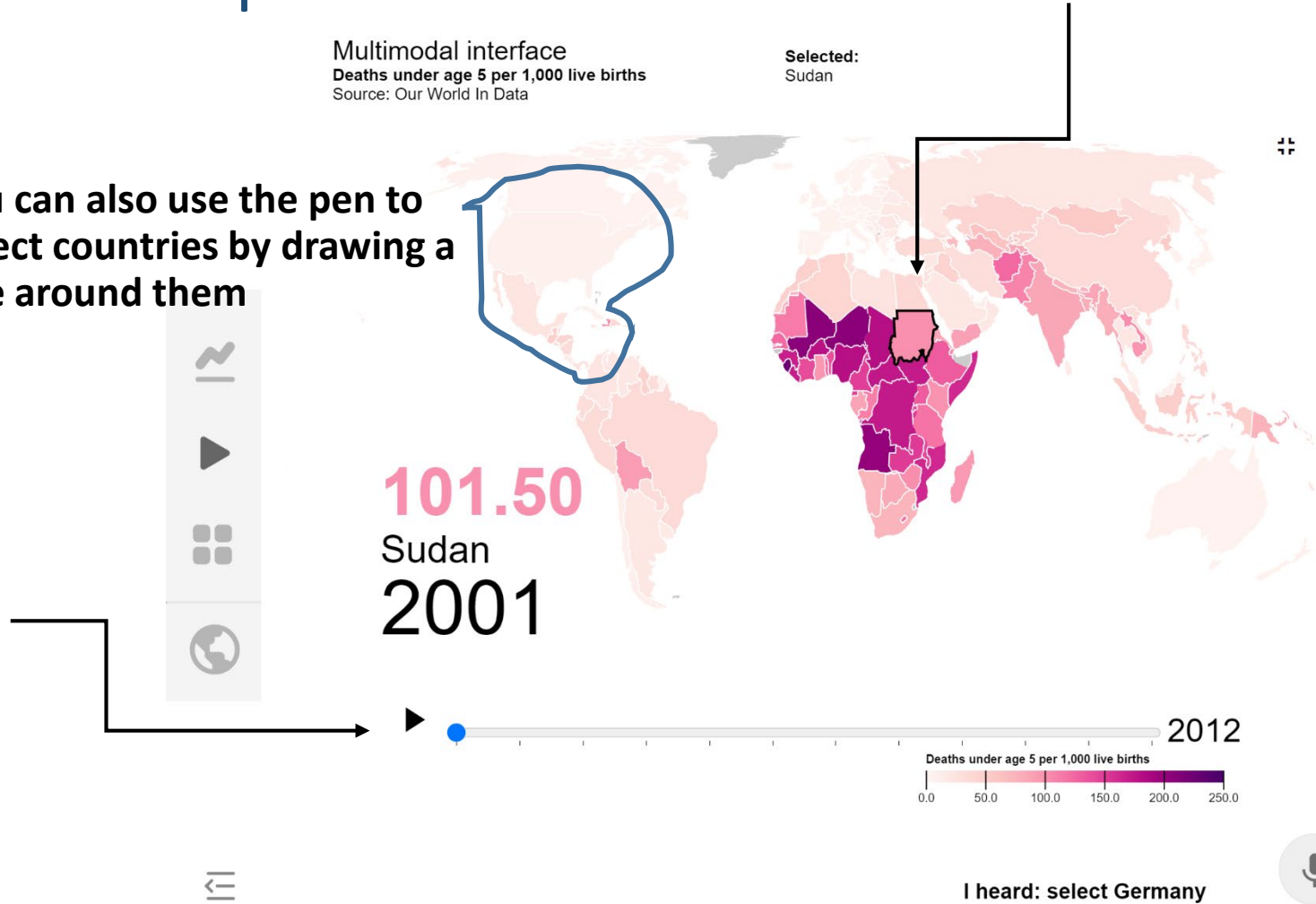
Multimodal interface  
Deaths under age 5 per 1,000 live births  
Source: Our World In Data

Tap on a country to see its value

If you tap again on a selected country, it will be deselected

You can also use the pen to select countries by drawing a line around them

Use the play button and slider to see the values change over time



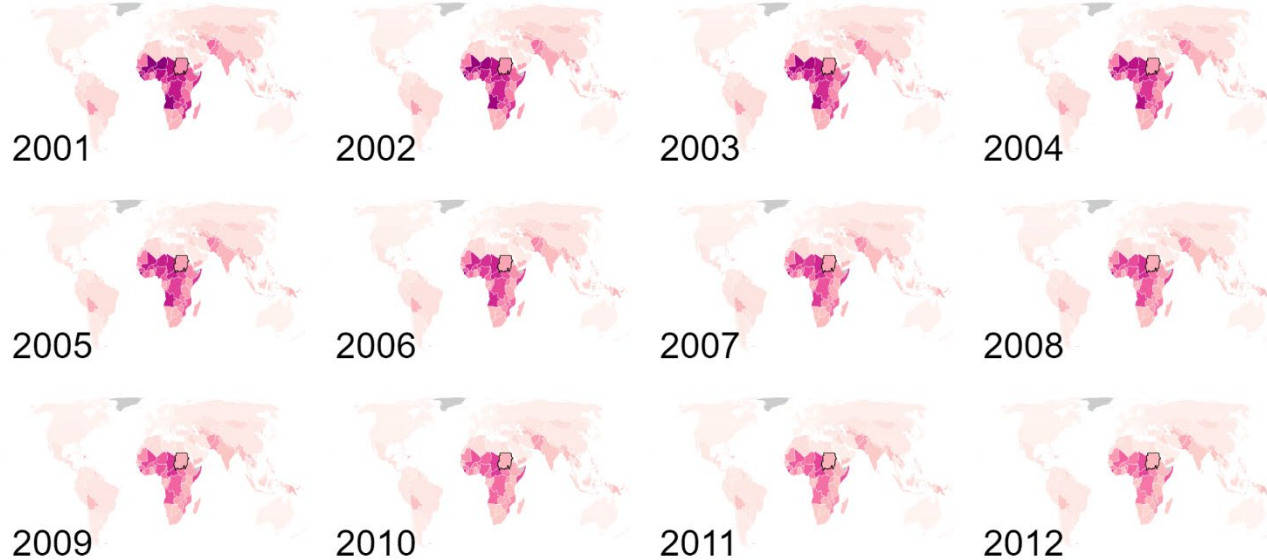
You can also tap once on the empty space to deselect all

# Small multiples

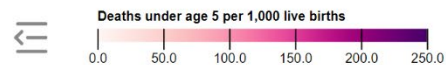
Tap on a year to show the detail view of that year

Multimodal interface  
Deaths under age 5 per 1,000 live births  
Source: Our World In Data

Selected:  
Sudan



Click on the compare button to compare 2 years.



Compare

I heard: select Germany

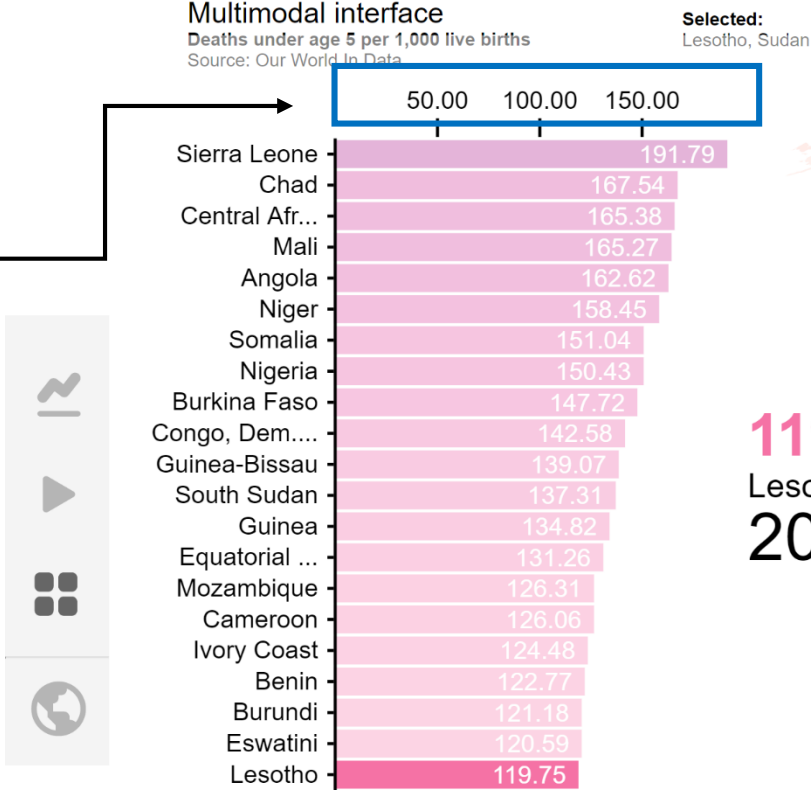


# Detail view

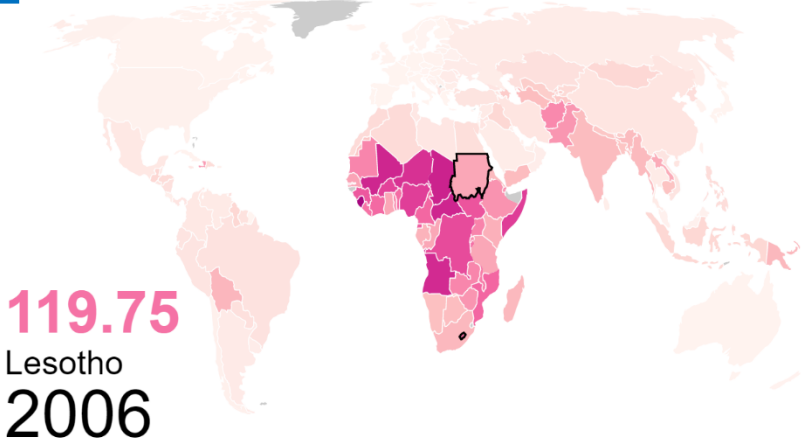
Focus on 1 year

If you want to change the order of the bar chart, swipe left (for descending order) or right (ascending order) on the x-axis area

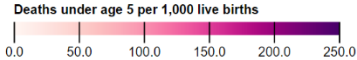
Tap on a bar to select the country



On every map, you can zoom by pinch and pan with dragging



You go back to the small multiples by clicking on the "X"

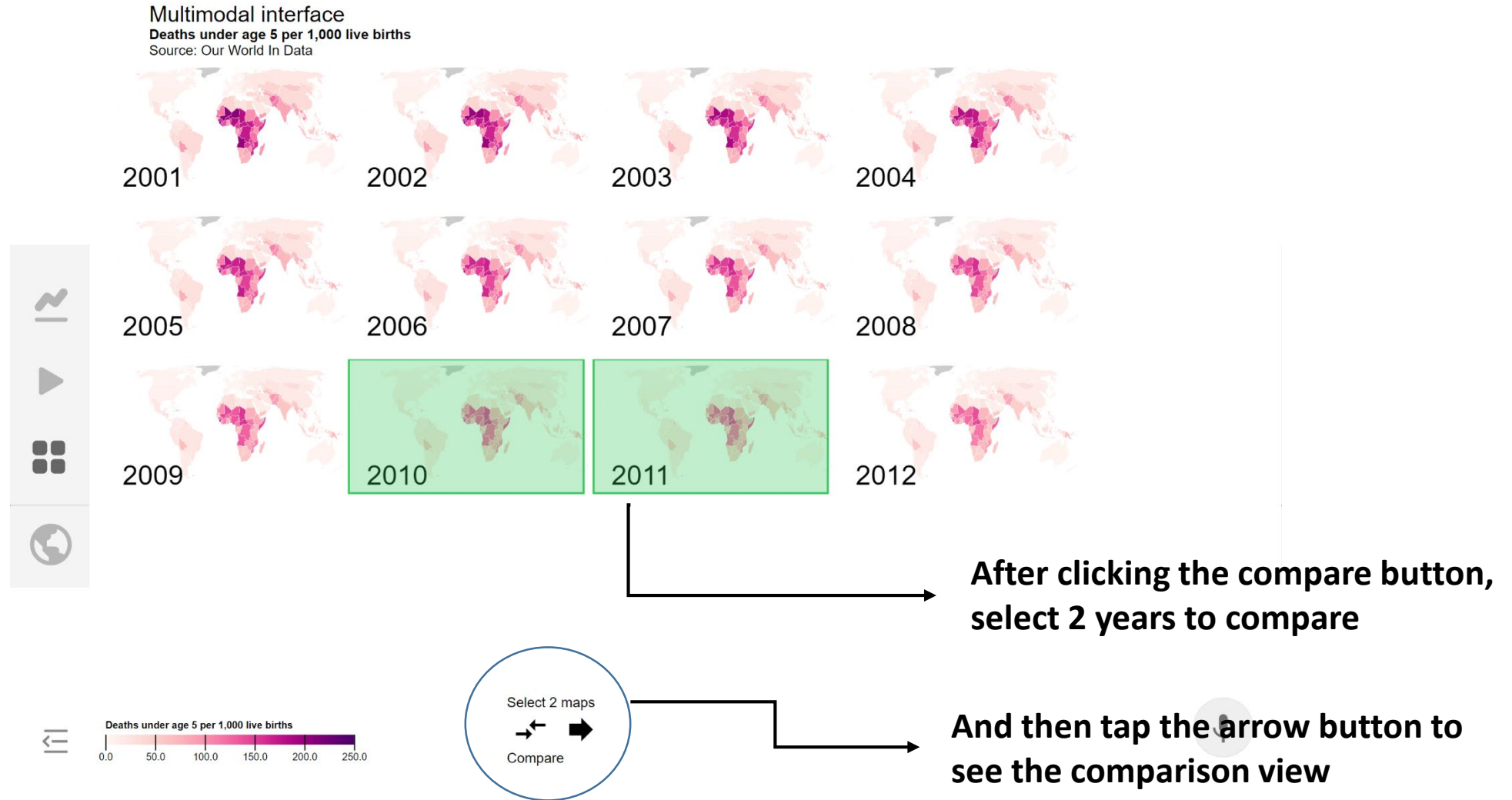


Compare



# Comparison view

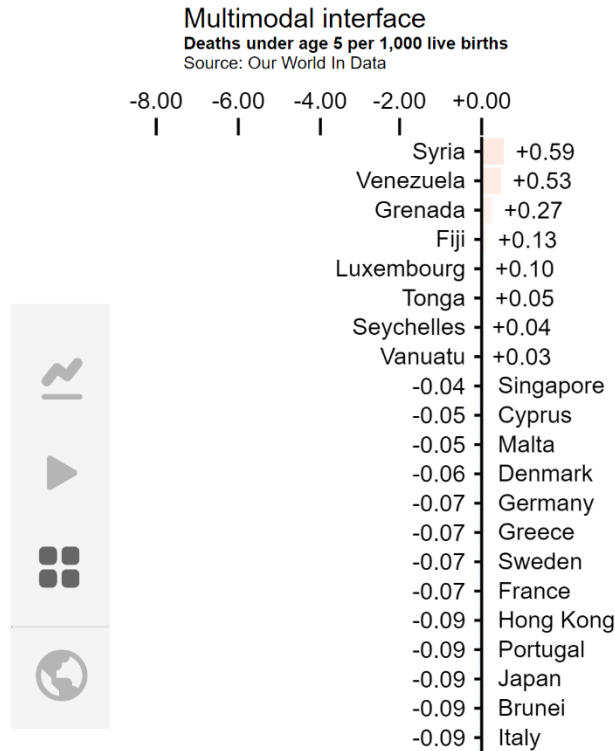
Focus on comparing 2 years





# Comparison view

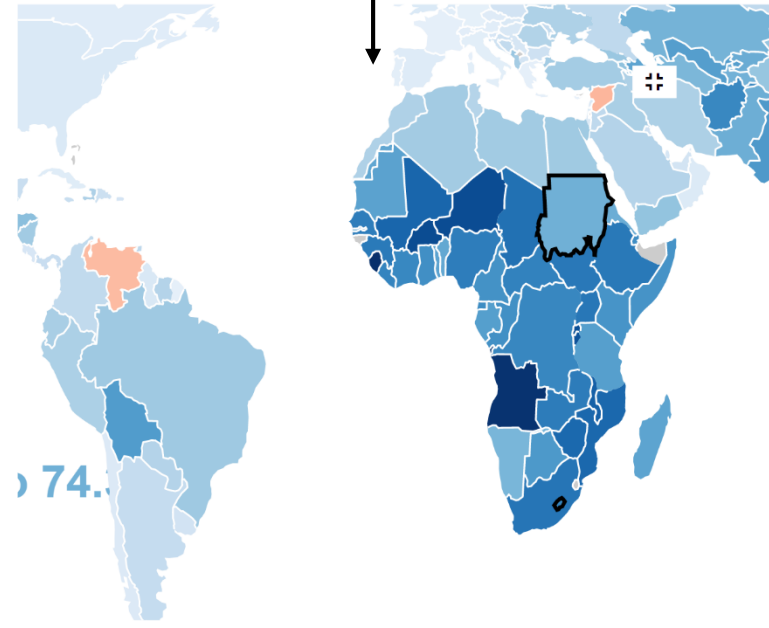
Focus on comparing 2 years



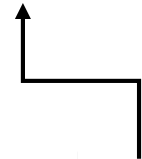
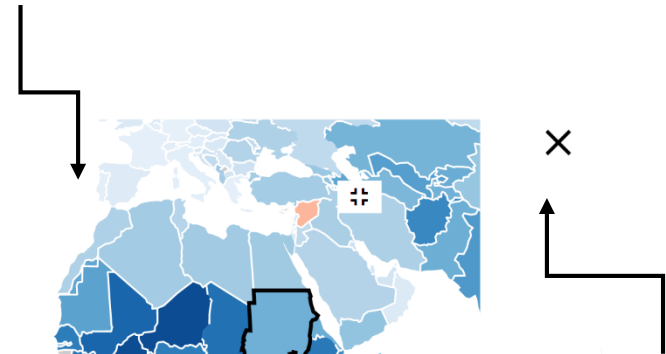
In this view, you can do the same interactions as in the detail view



Selected:  
Lesotho, Sudan



On every map, you can zoom by pinch and pan with dragging



You go back to the small multiples by clicking on the "X"



You've reached the end of the introduction.

Please take 5 minutes to explore the interface on your own.