

Title

**A bittersweet taste?
Climate change could be shaping
your wine preferences**



Research topic

Topic: I am visualizing the impact of climate change on the wine industry because I want to:

Demonstrate which wine-producing regions and which grape varieties around the world are significantly exposed and at-risk from such shocks; and

Showcase the different types of changes this specific industry might go through as a result.

Target Audience: People who have an interest in the following topics

Cultural food trends (food/beverage, consumer trends, travel destinations, regional heritage/local traditions)

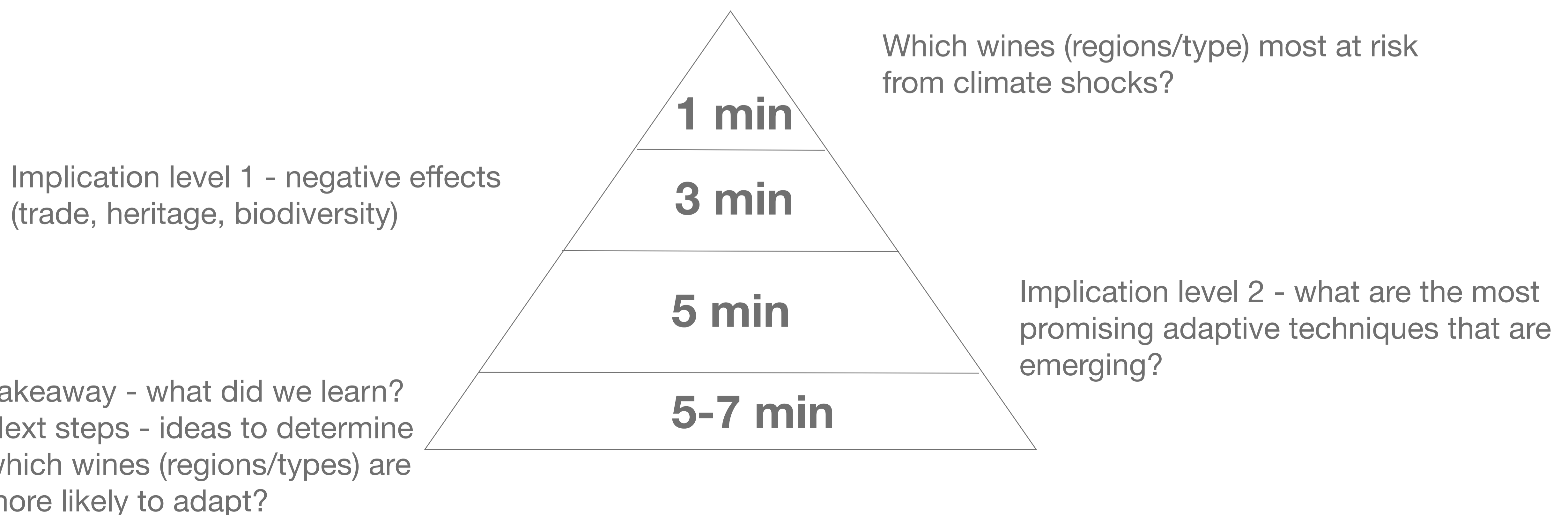
Climate change issues (climate-smart agriculture, biodiversity parametric insurance, weather forecasting)

Local/regional development (supply chain/trade flows, land administration, labor market).

Prior expectation of knowledge from target audience: Target audience should be relatively familiar with the impact of climate change on the wine industry and know about some of the rationale that inform emerging adaptive practices as a result.

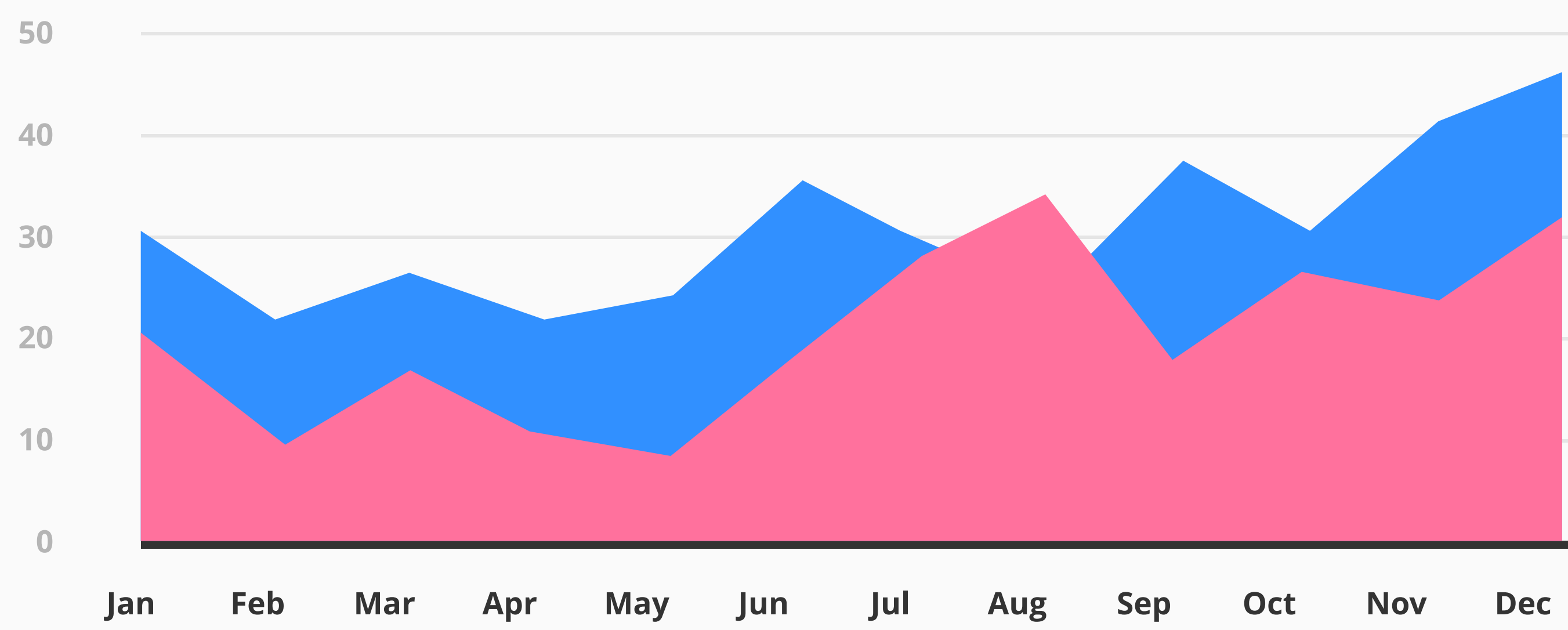
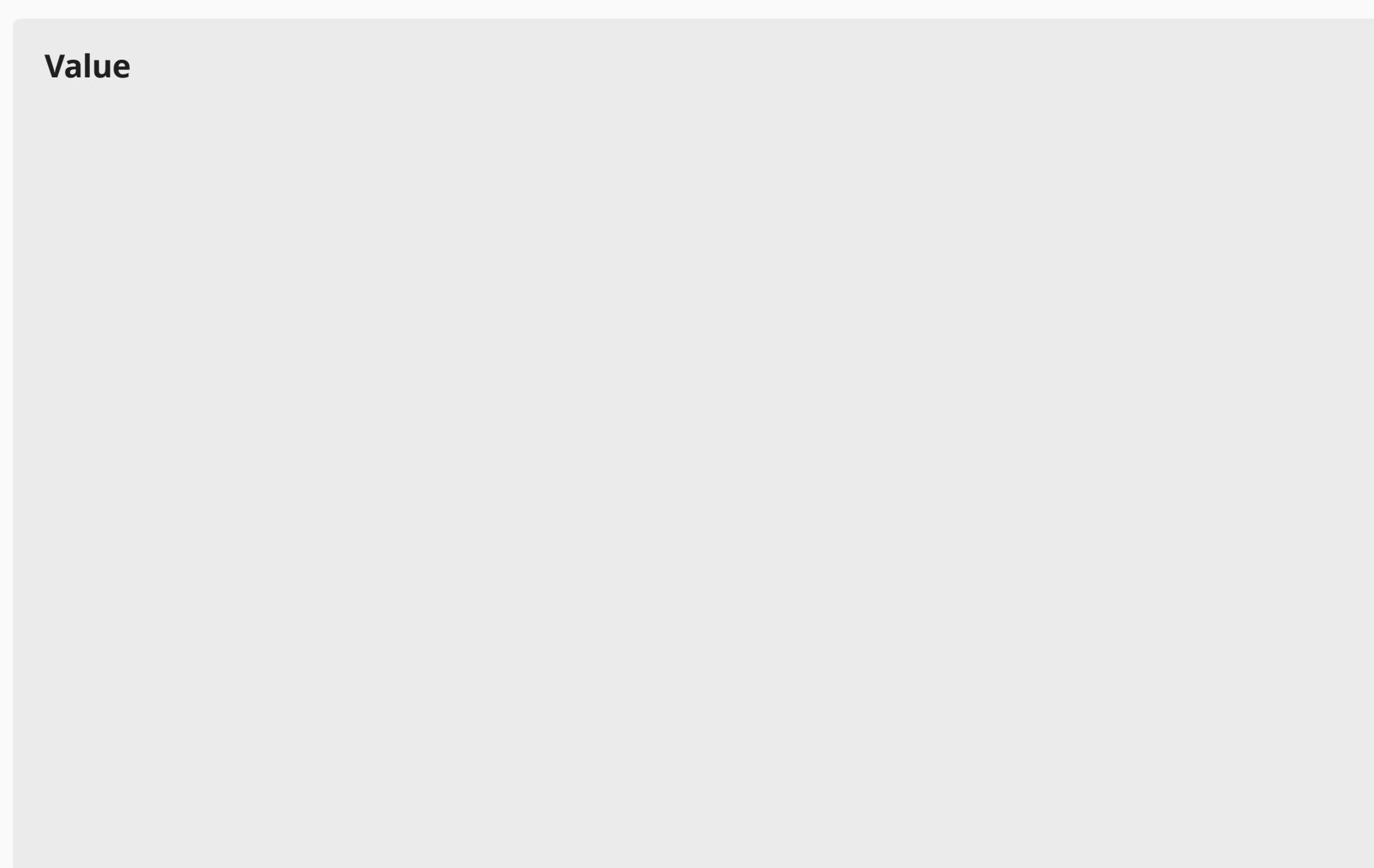
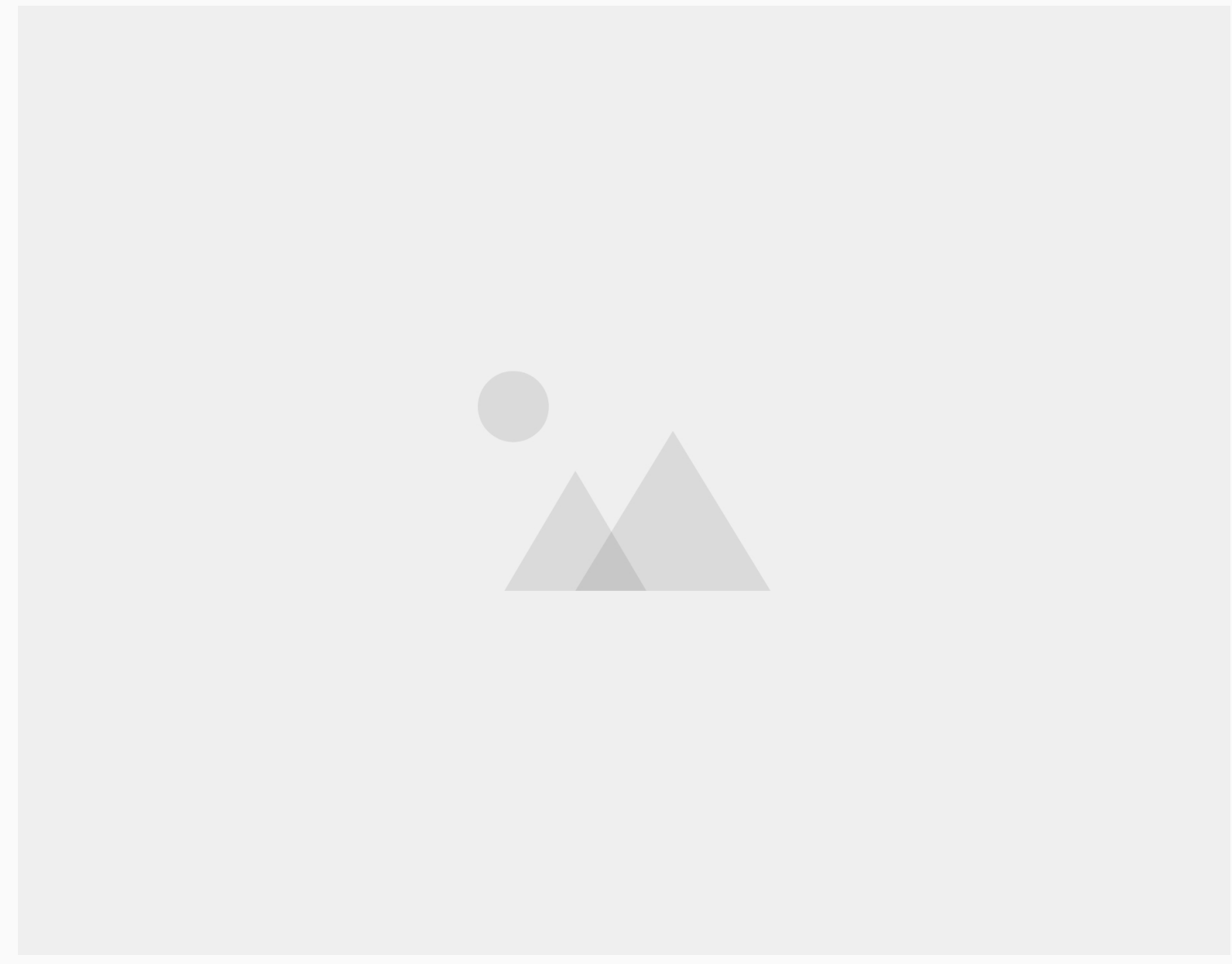
Distribution channel: Audience will engage with an online data-driven story and will have the possibility to interact with many of the proposed visualizations (especially the ones with a spatial component). Thanks to scrolling (either horizontal or vertical), specific events will be triggered to provide further narrative content and transform a given visualization.

Ask from the audience: Most of the anticipated inputs from the reader will be scrolling to navigate the different chapters of the pager. To a lesser extent, exploring through hover and clicking will also be required to enable the reader to understand the spatial dimension of the the climate change impacts on the wine industry.

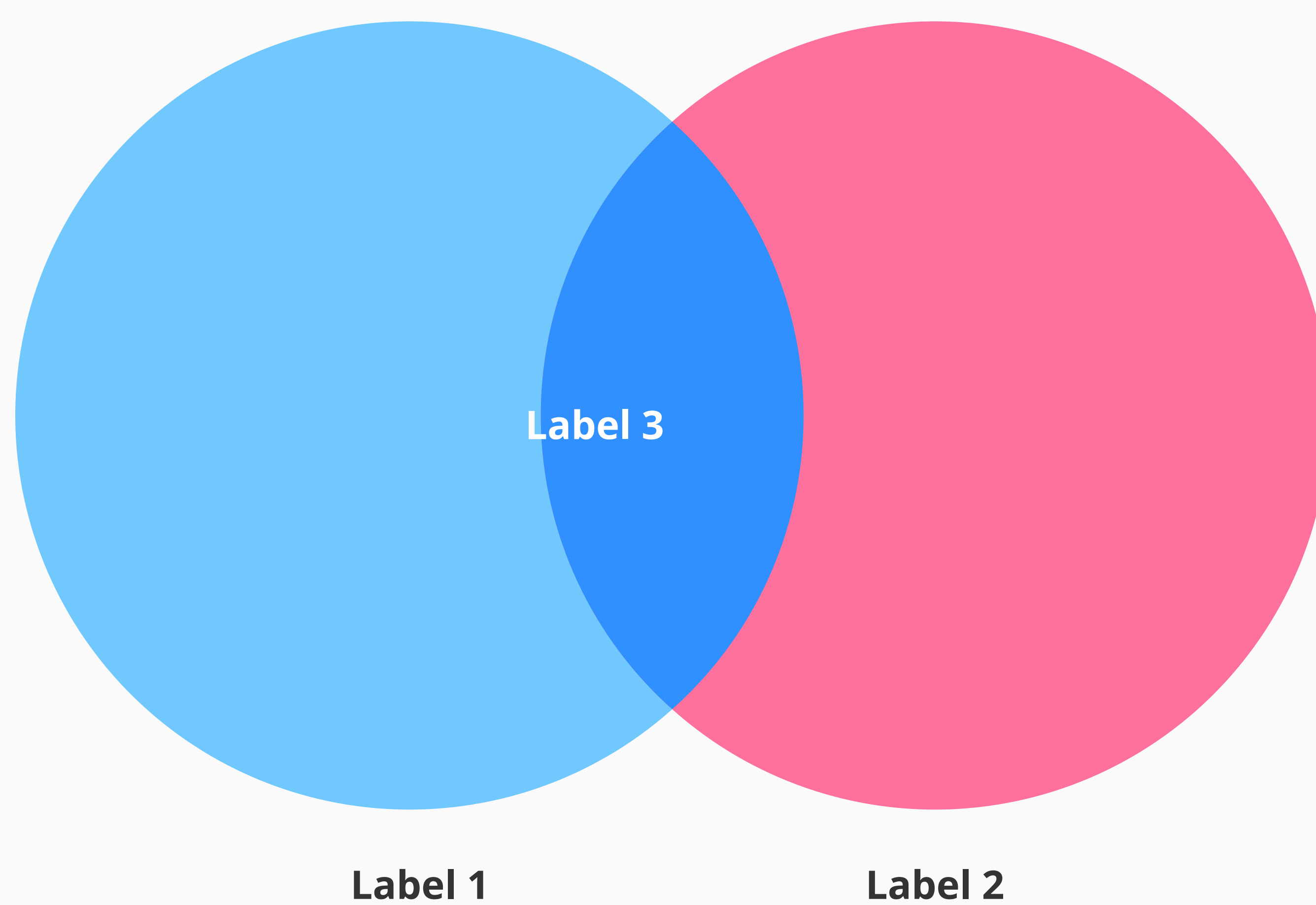
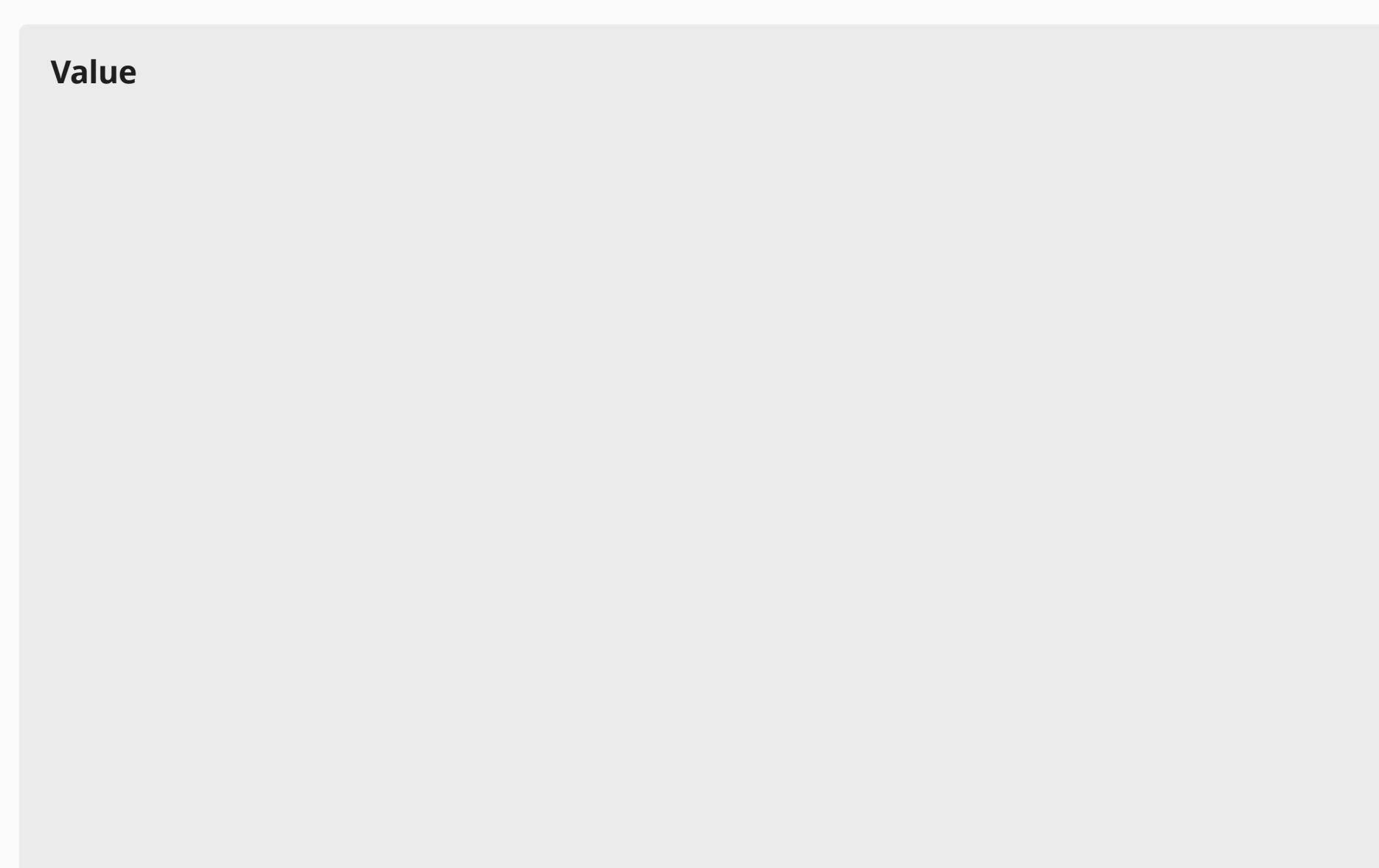


Overview (Context)

Context (text blurb) + animated icon



Text blurb to explain linkage between Wine & Climate Change

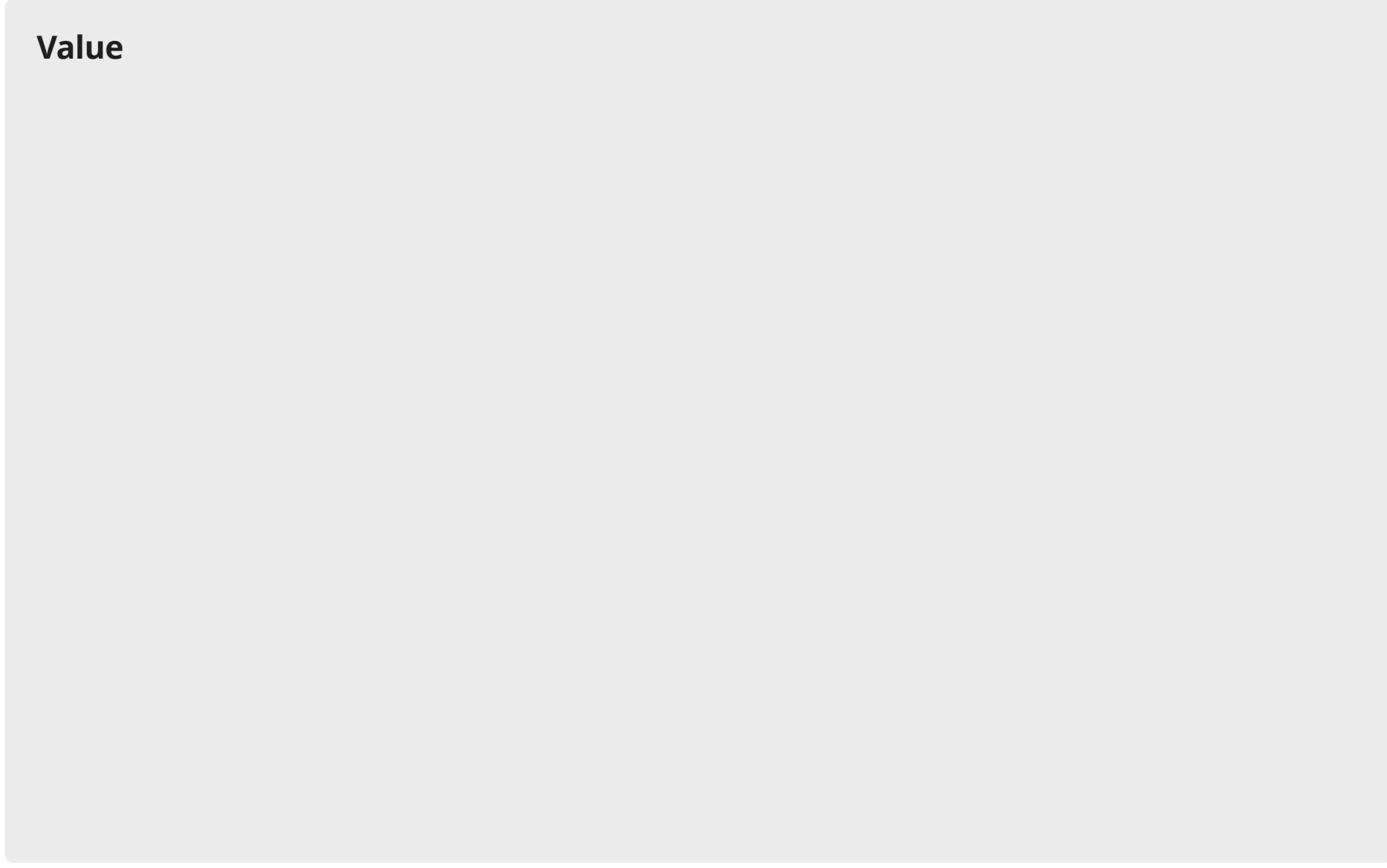


Section 1 - Global Snapshot

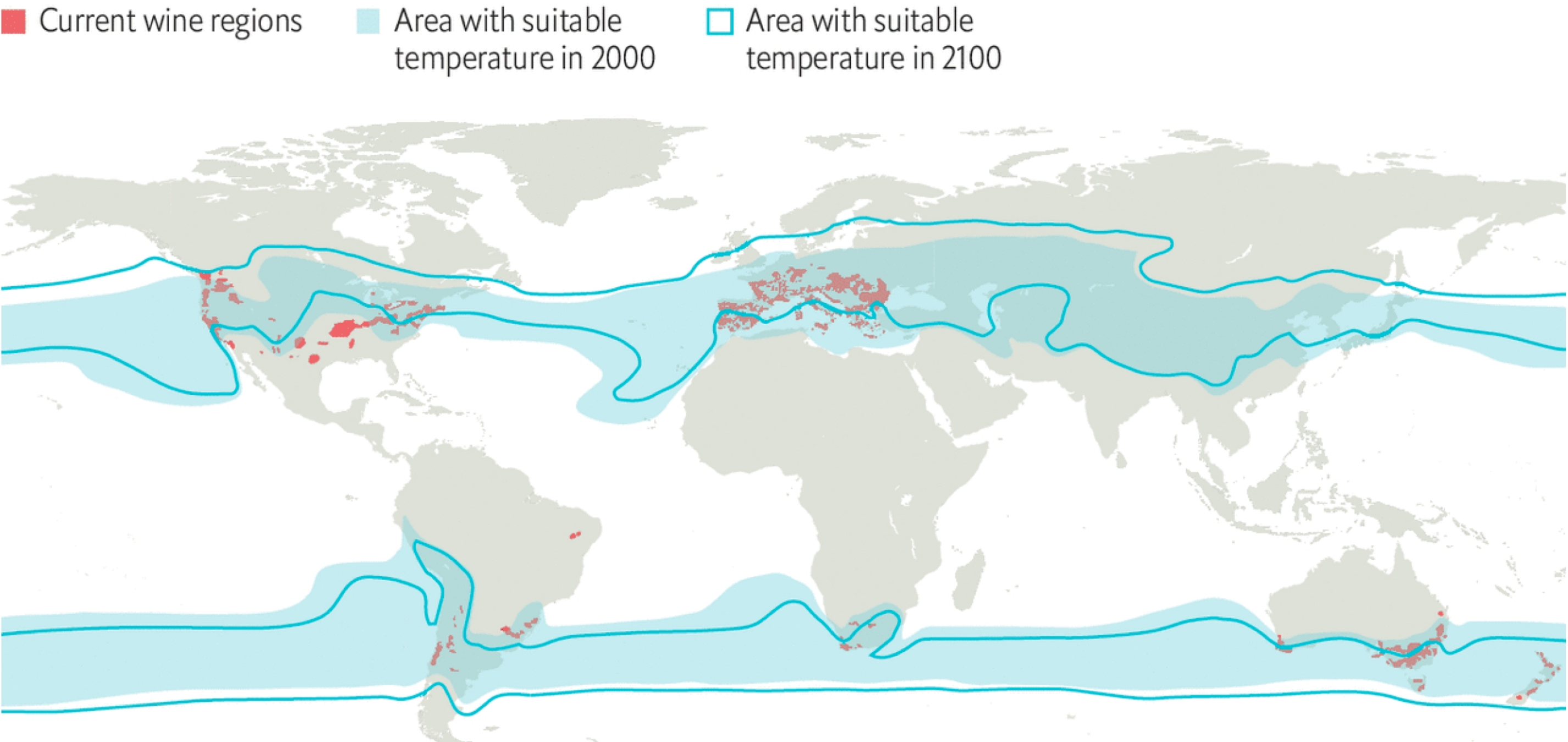
Chart showing wine global production + narrative content (animates with scroll)



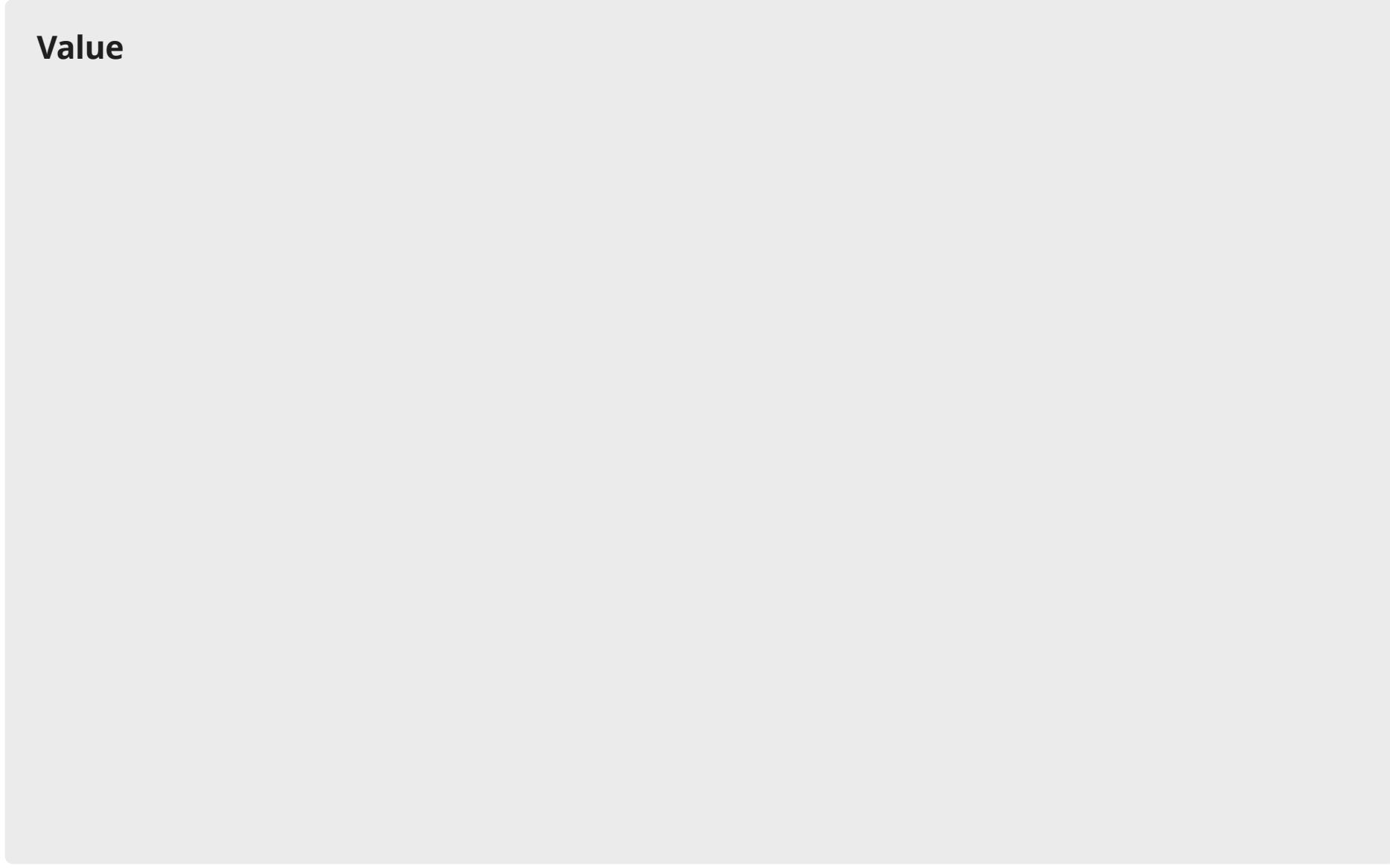
Map + Storytelling (with layers added with scroll)



Grape expectations
How climate change is predicted to shift optimal areas for wine production



Source: "Climate Induced Historic and Future Changes in Viticulture", by Hans Schultz and Gregory Jones, *Journal of Wine Research*

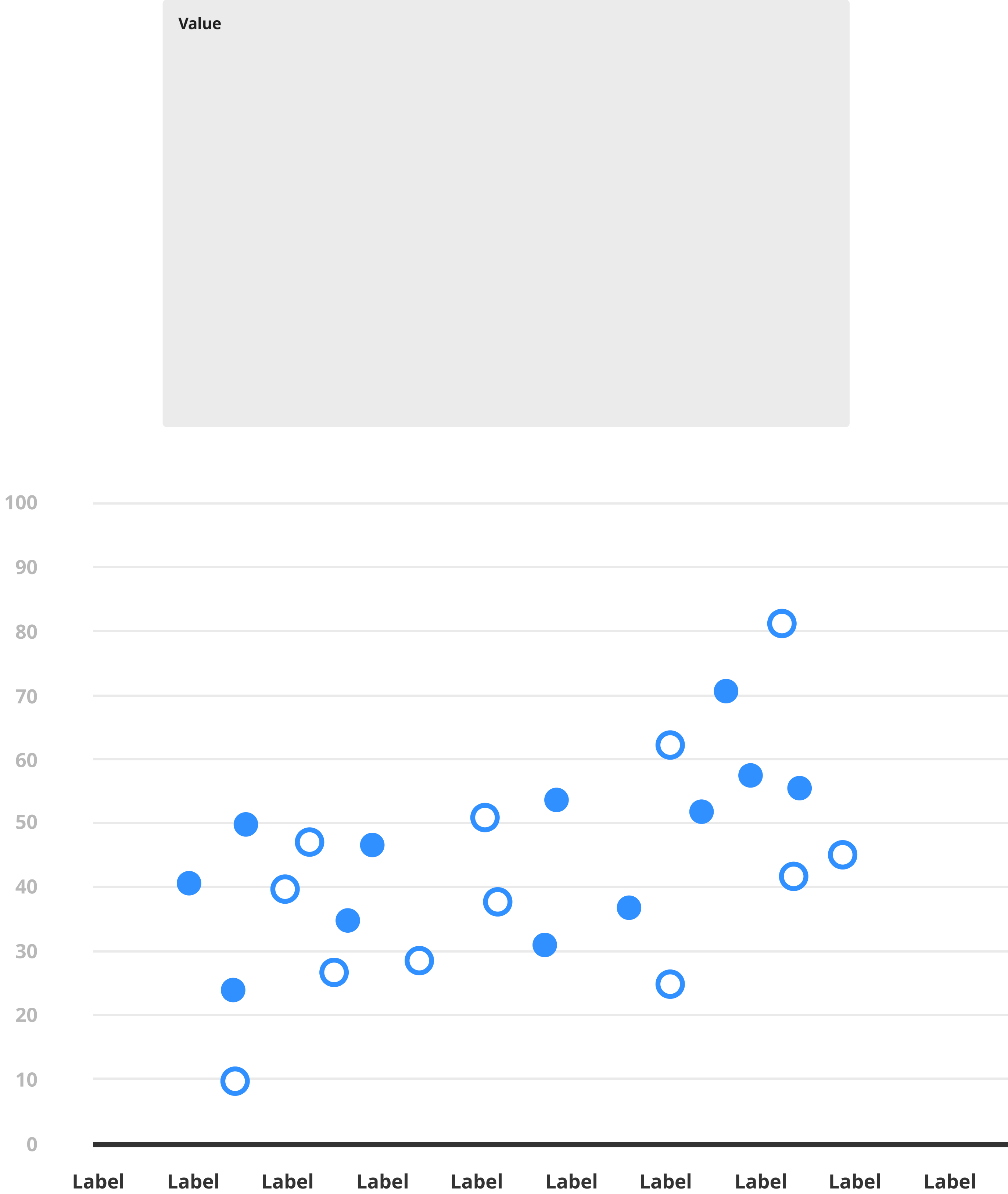


Section 2 - Shifting Seasons

Chart showing which wine varieties are most exposed depending on harvest season (filter possible to focus on wine type but also geographies)
+ narrative content (animates with scroll)

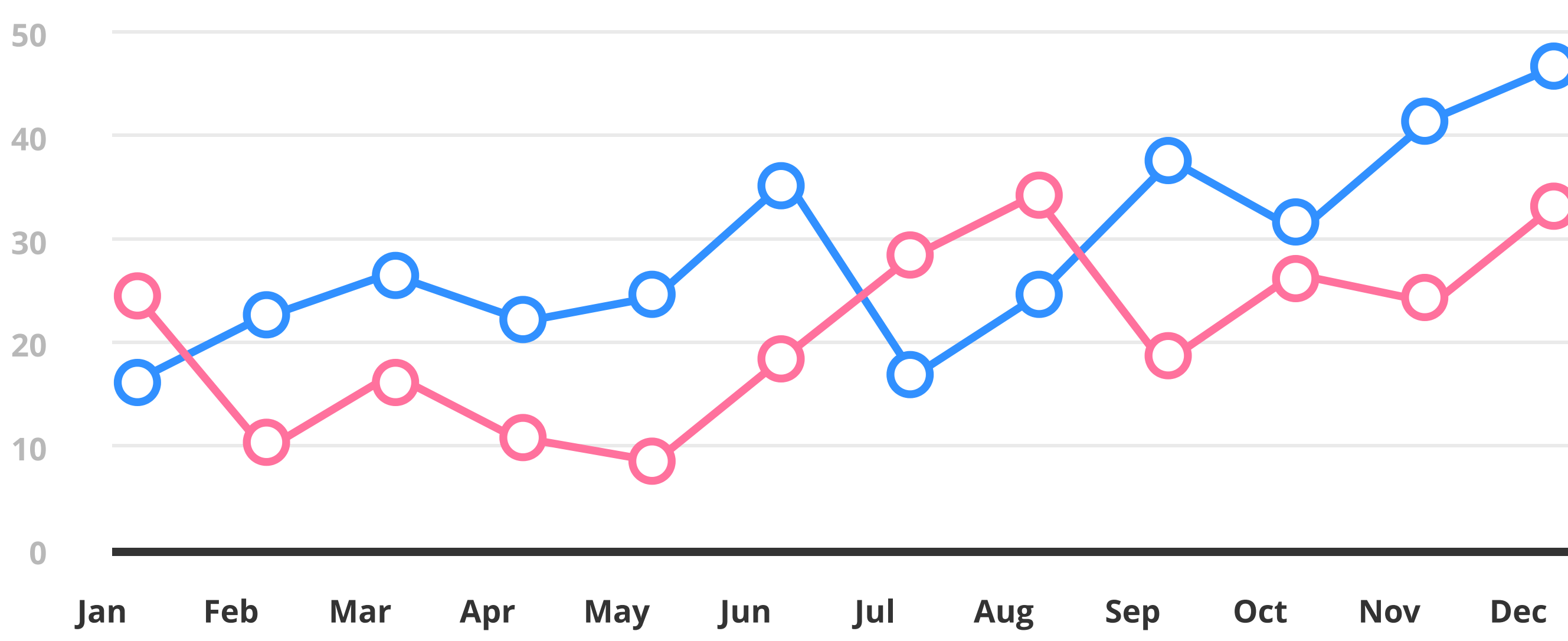
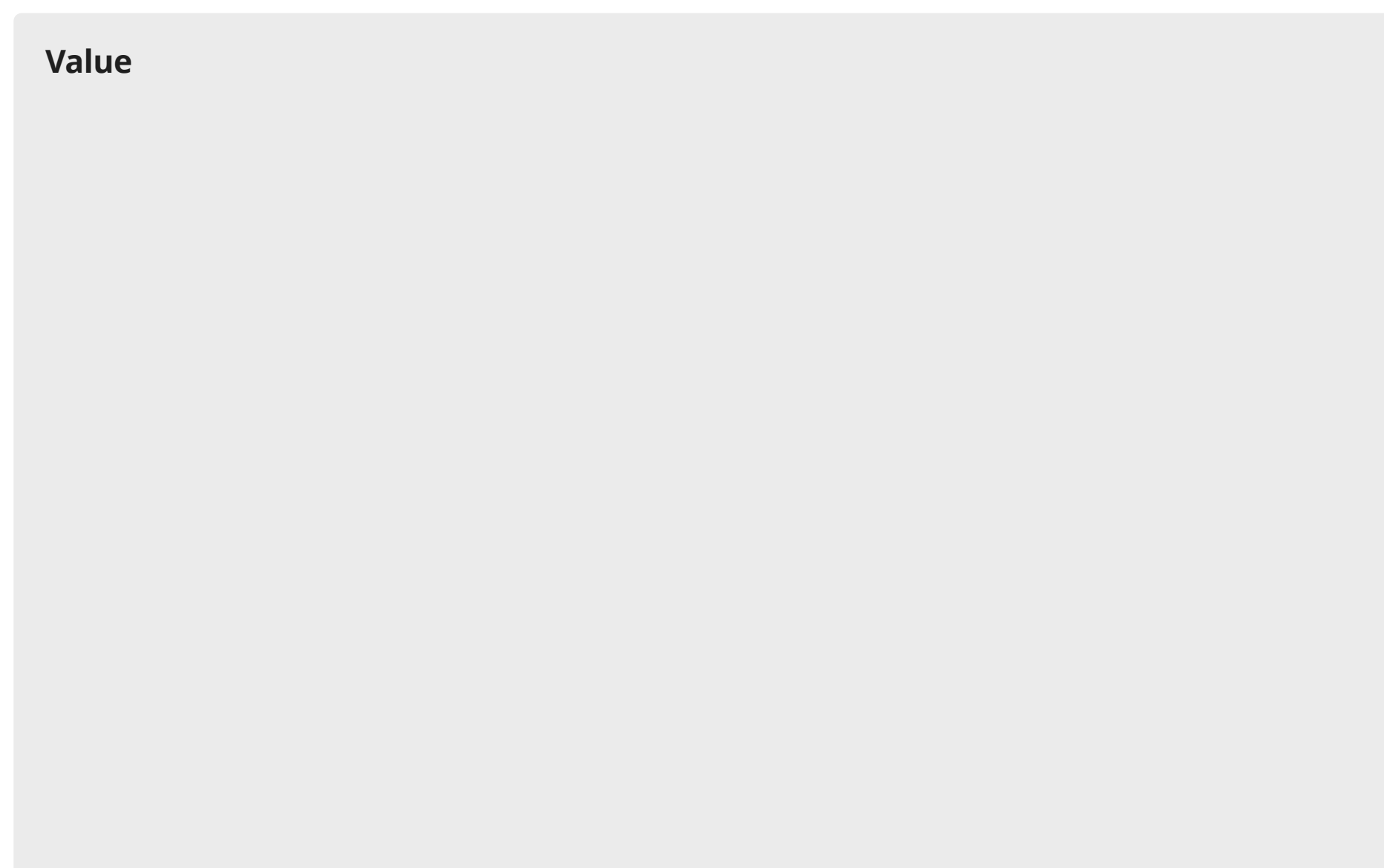
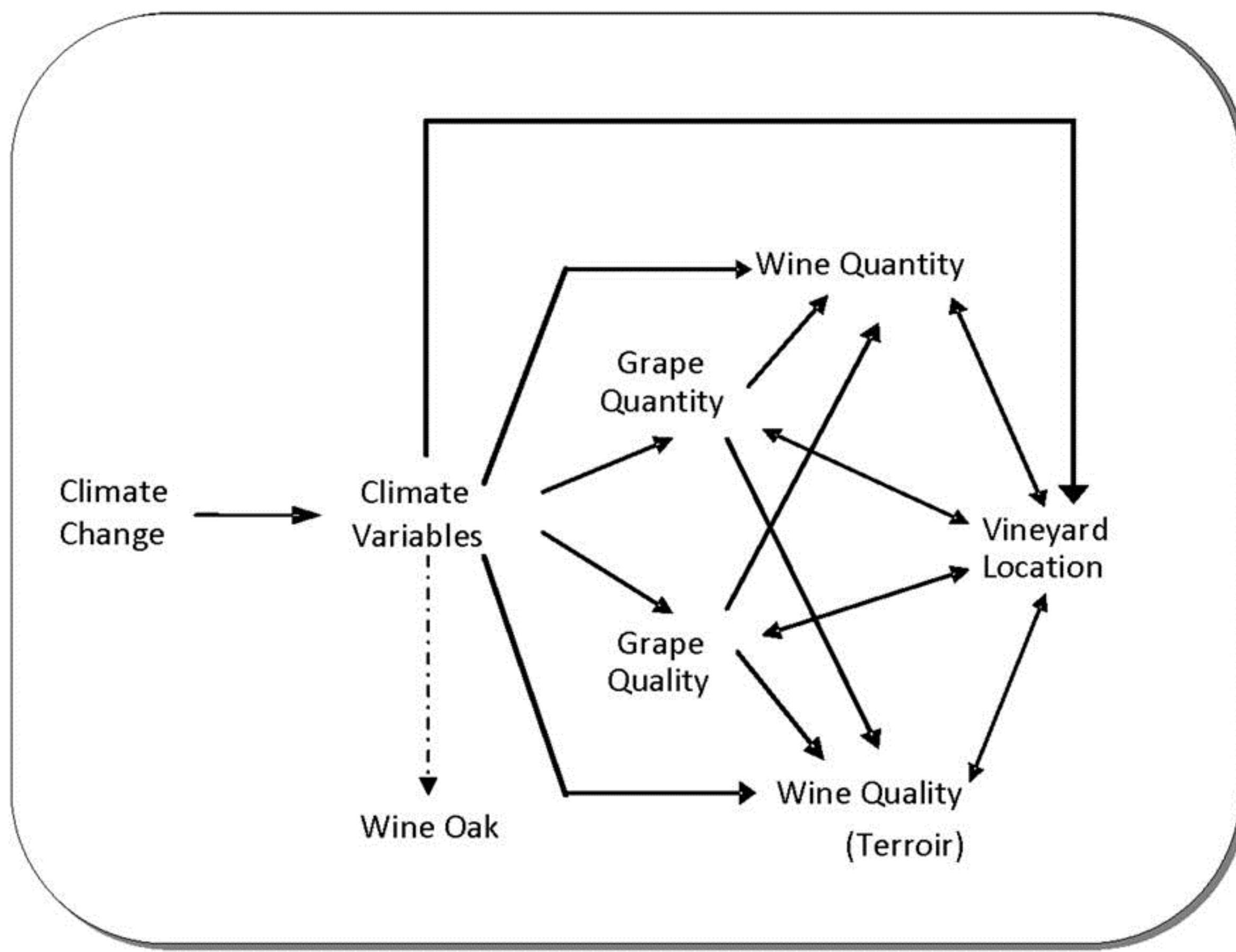
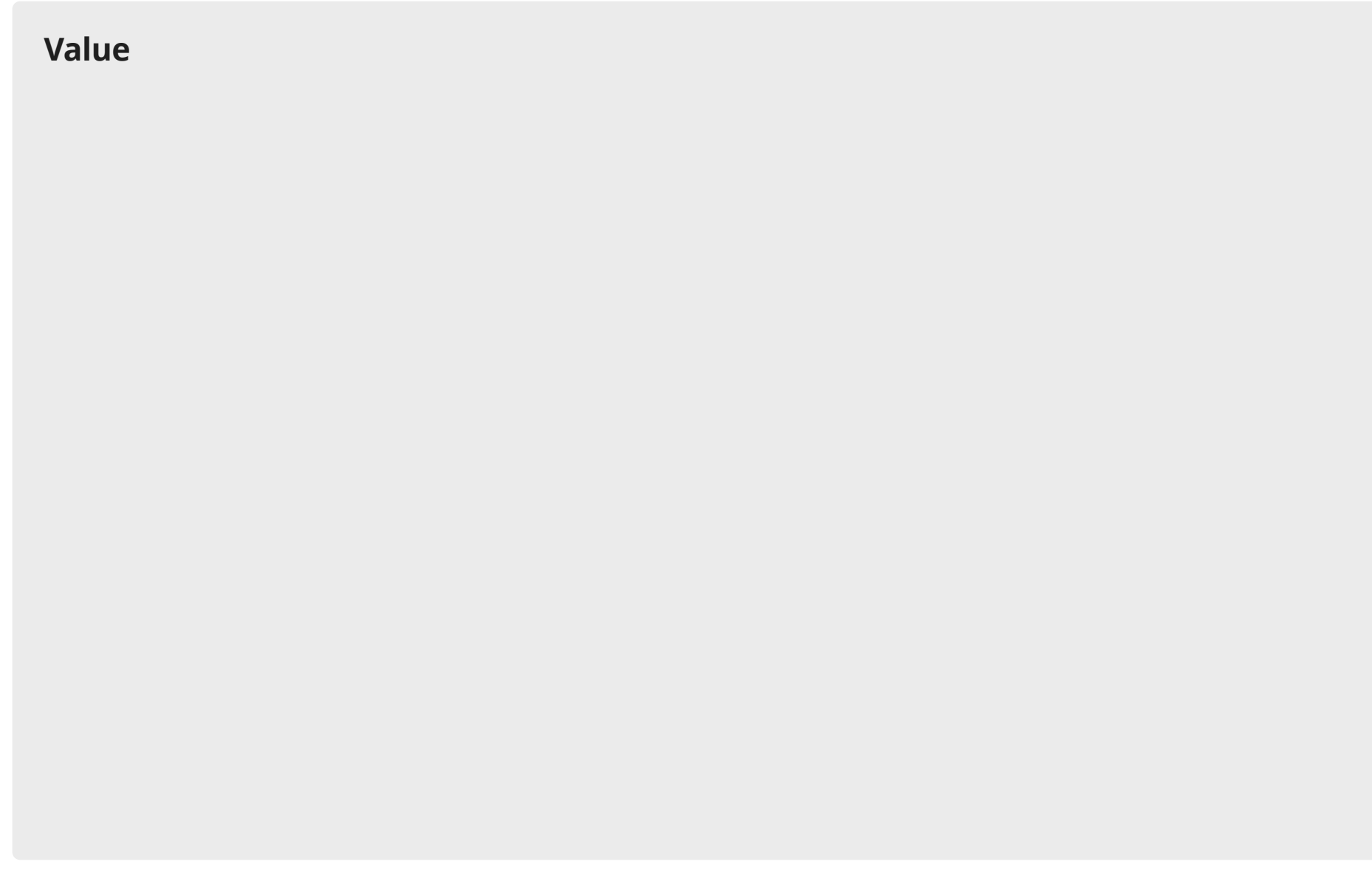


Chart showing falling number of harvest days
+ narrative content (animates with scroll)

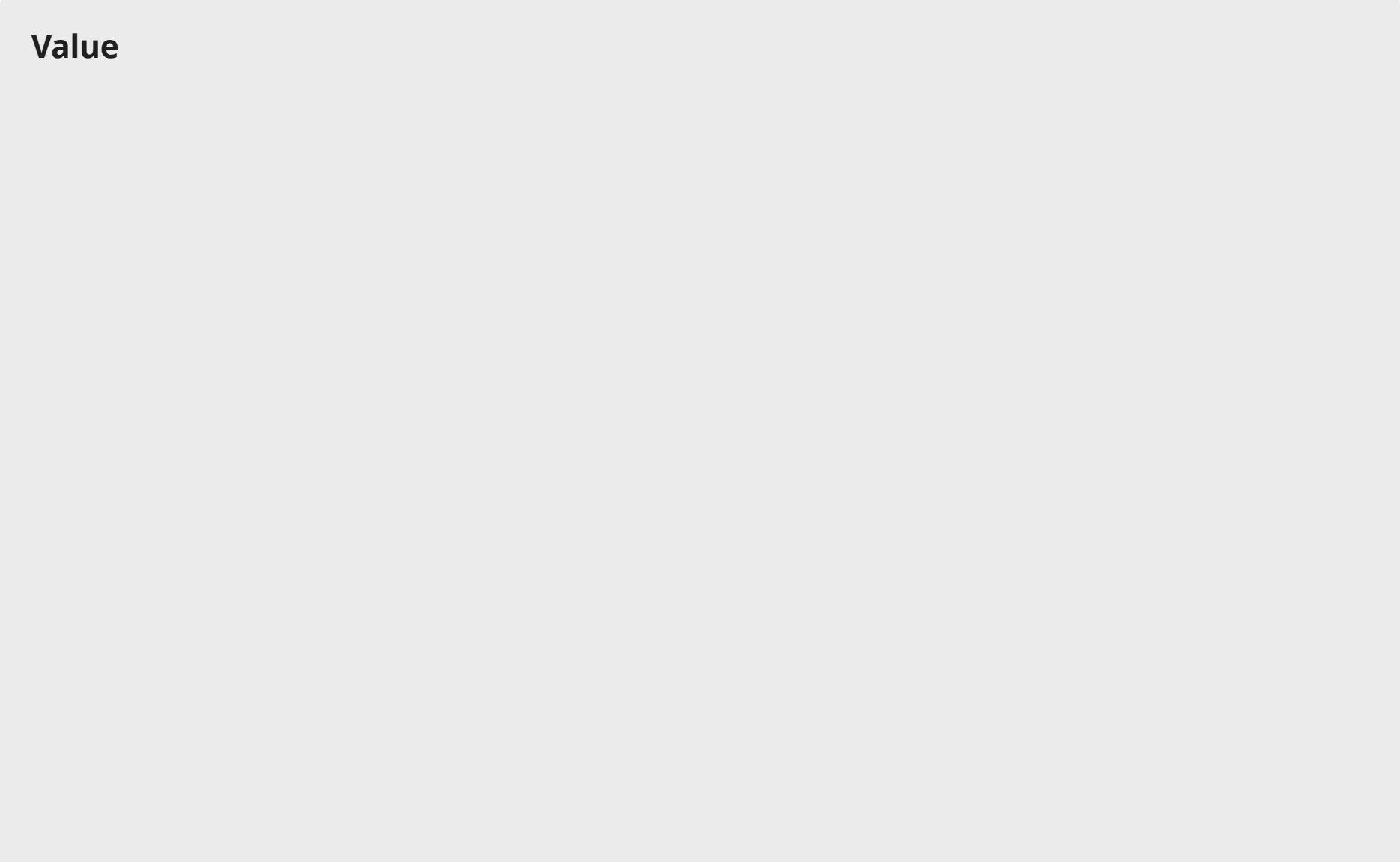


Section 3 - Emerging Practices

Chart + narrative content (animates with scroll)



Section 4 - Synthesis



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References