

Visualizing Peace Transitions

Tomas Vancisin, Jinrui Wang, Niamh Henry, Sarah Schöttler, Lucy Havens, Tobias Kauer, Sanja Badanjak, Christine Bell, Benjamin Bach

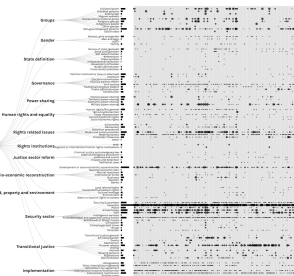


PeaceRep
Peace and Conflict
Resolution Evidence
Platform

Abstract: This poster presents nine visualization projects that analyze, communicate, and track peace processes data and support peace mediation. The visualizations are created in the context of an 8-year interdisciplinary collaboration between researchers in visualization and peace studies and through this poster, we aim to shed light on an emerging area of research which addresses humanitarian and societal issues.

Analyze

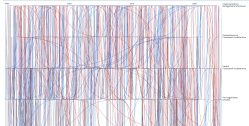
Our analysis visualizations primarily support domain researchers in data-intensive analytical tasks. They emphasize exploratory and interactive behavior, highlighting the complexity of the data.



Matrix shows patterns in when specific issues are addressed during peace negotiations and tracks these issues over time.



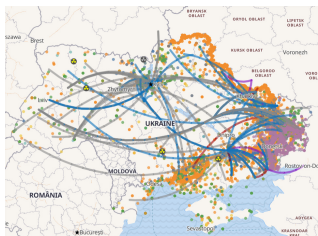
PaxVis reveals geographic patterns in peace agreements and shows issues, such as gender equality as flower petals.



Messy Timeline challenges assumptions about linear negotiation progress by showing their back and forth trajectories.

Track

Our tracking visualizations provide filtering, linking, and comparison to track progress across a variety of datasets and support policy analysis as well as practitioner decision-making.



Ukraine Conflict Map uses different conflict datasets and visualizes humanitarian corridors and conflict locations on a single canvas.



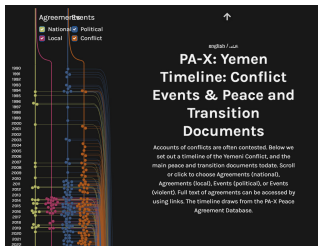
Actors across Processes shows the potential mediation entry points based on historical collaboration patterns.



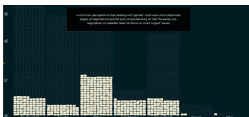
PA-X Tracker contextualizes peace agreements within broader institutional and conflict events.

Convey

We also use the so-called scrolly-telling visualization techniques to convey complexities of peace and conflict gradually.



Yemen Timeline juxtaposes signed peace agreements with national/conflict events and walks the user through Yemeni conflict.



PA-X Gender emphasizes that only 464 out of 2055 total agreements in PA-X contain references to gender and women.



Russia/China as Third-Party Signatories explores trends in these two actors' activity as peace and conflict mediators.