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**PeaceRep**  
Peace and Conflict  
Resolution Evidence  
Platform

# PA-X Tracker

## User Guides for core PA-X Tracker Components

Access the PA-X Tracker:

<https://pax.peaceagreements.org/tracker/>

**PA-X**  
Peace  
Agreements  
Database



## **Core PA-X Tracker Components**

1. Explore the Timelines of Institutional Change
2. Explore All Process Overviews
3. Explore the Past Agreement Actor Networks
4. Explore Conflict Impacts of Peace Agreements
5. Explore Indicators of Peace Impacts



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# PA-X Tracker

## User Guide

Explore the  
Timeline of Institutional Change

<https://pax.peaceagreements.org/tracker/>

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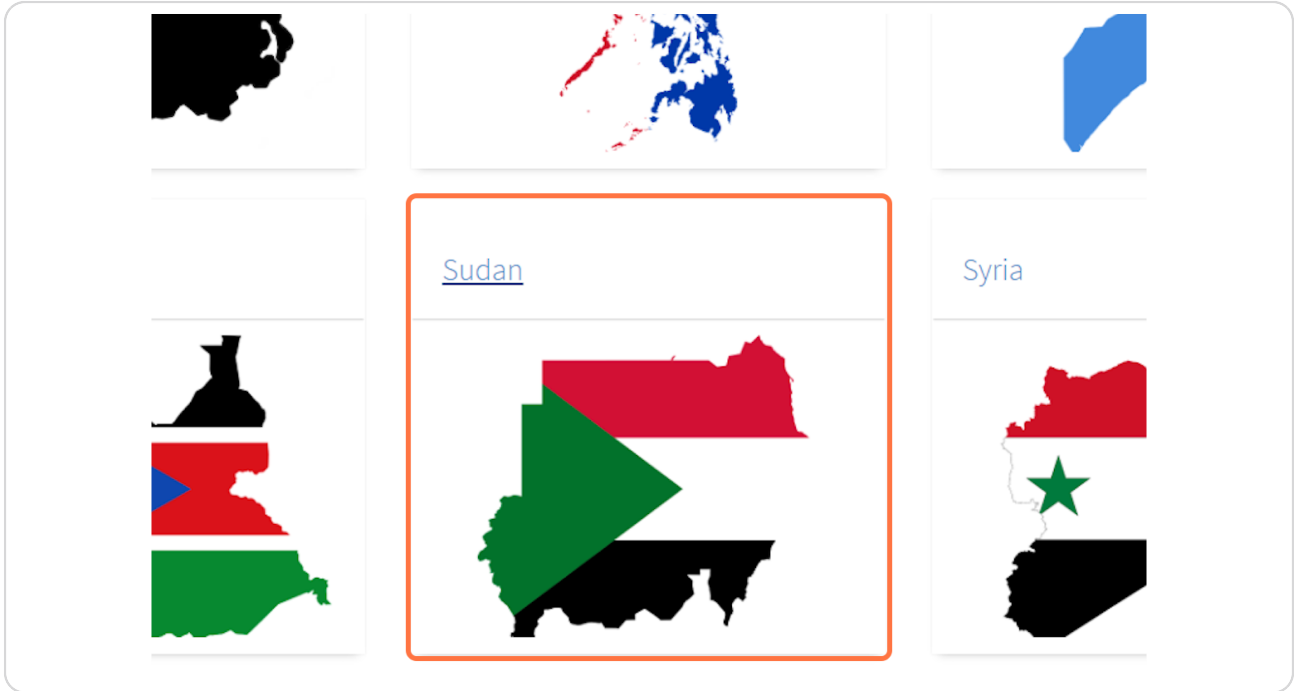
**PA-X**  
Peace  
Agreements  
Database





STEP 1

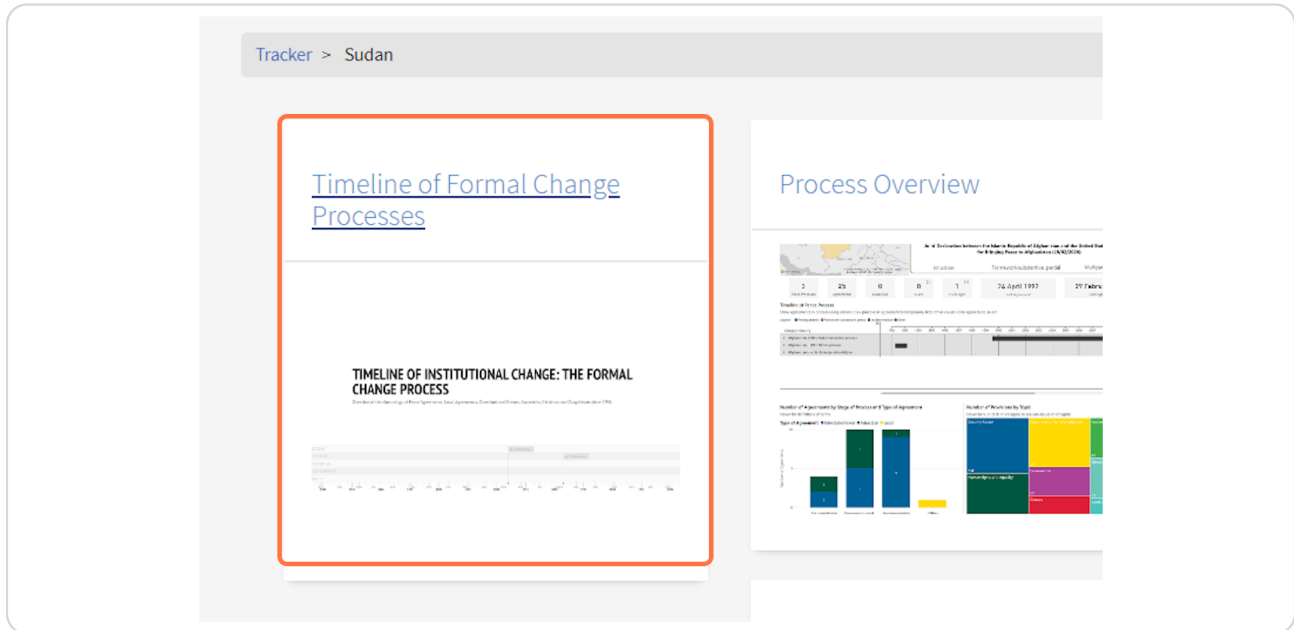
Click on Sudan, or any country from the Tracker home page.





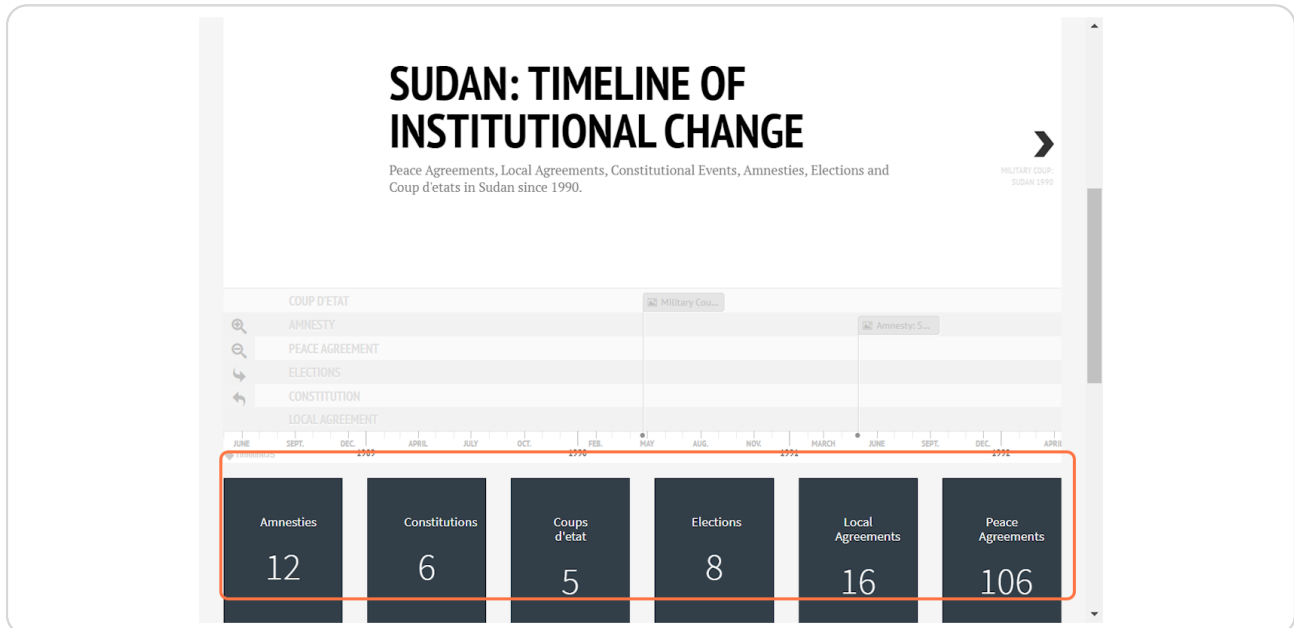
## STEP 2

### Click on Timeline of Formal Change Processes



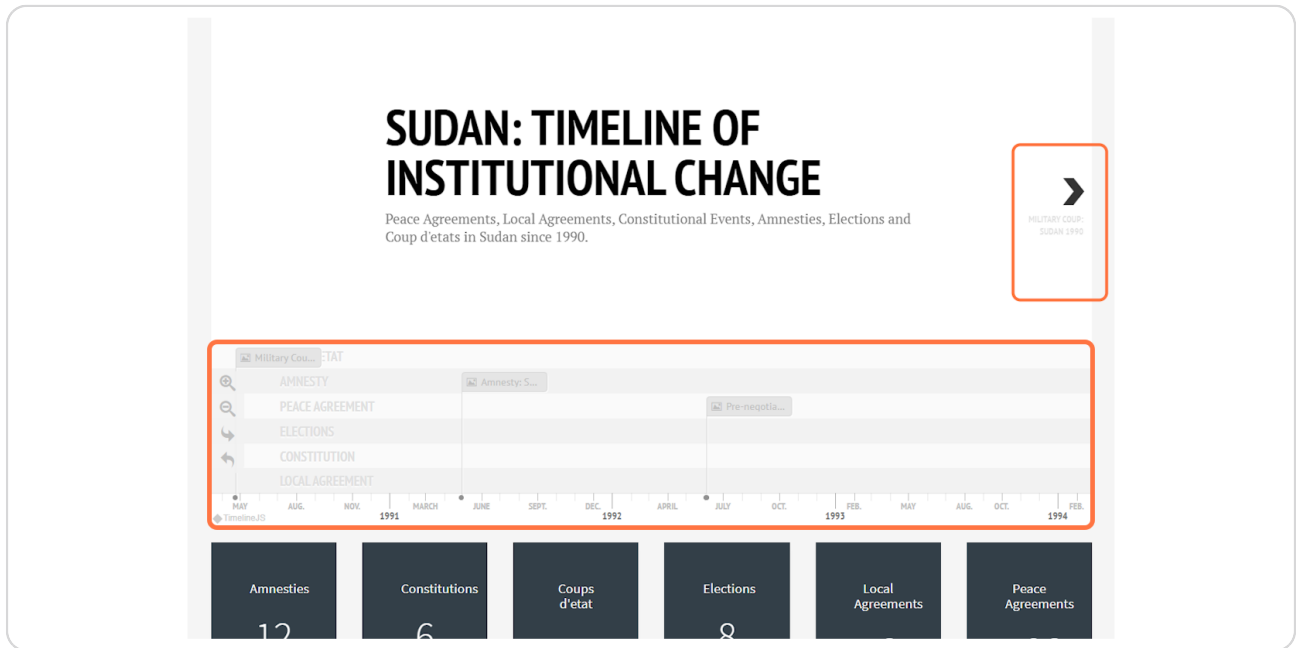
## STEP 3

The interactive timeline will open. The cards under the timeline provide an overview of the number of events per type that are included on the timeline for the selected country.



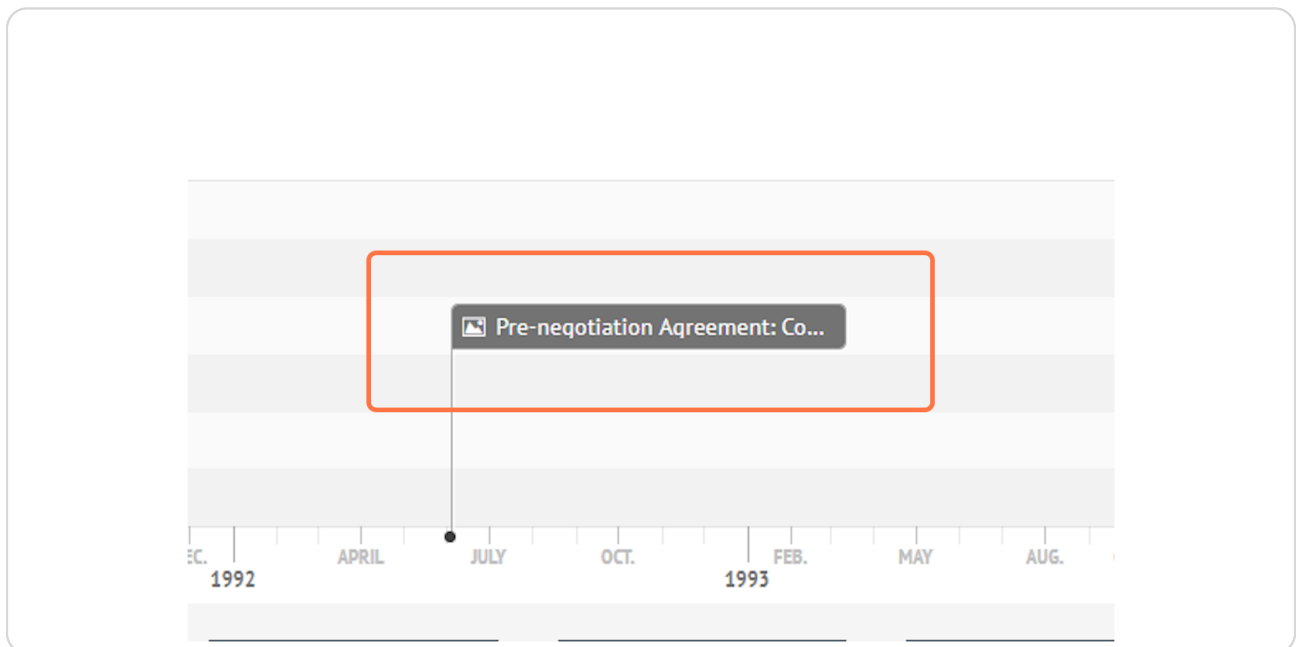
#### STEP 4

Drag the highlighted timeline area to move the timeline across to a specific time. Or, use the arrow to go to the first event.



#### STEP 5

Click on any event on the timeline to view it.



## STEP 6

Once clicked an event, details of the event will show on the timeline.

The details include a brief description of the event, and links to navigate to reference source, and relevant resources. For example, when viewing a Peace Agreement, there will be the option to view the agreement entry on PA-X database, or the PDF of the full agreement text (in English). To view the original language PDF navigate through the PA-X database.

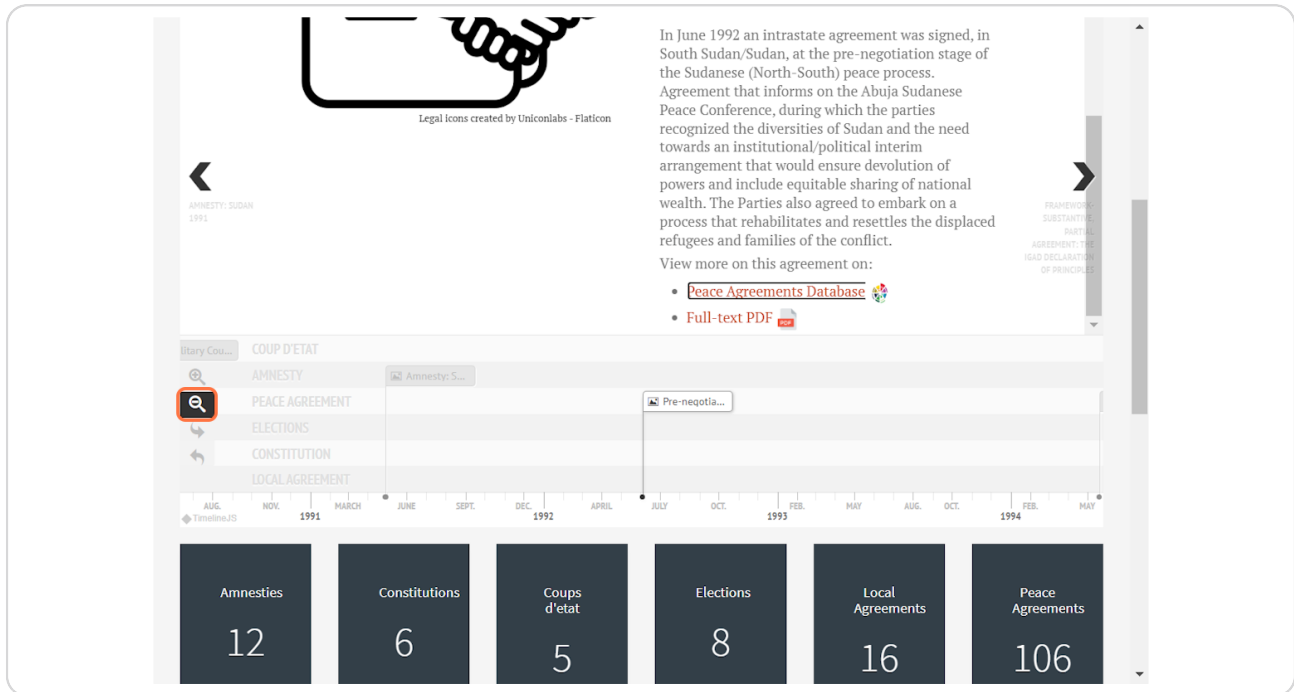
The screenshot displays a digital timeline interface. At the top, a large icon of two hands shaking is shown with the text "Legal icons created by Uniconlabs - FlatIcon". Below this, a search bar contains the text "AMNESTY: SUDAN 1991". To the right, the event details for "PEACE CONFERENCE" are displayed. The text describes an intrastate agreement signed in June 1992 in South Sudan/Sudan, at the pre-negotiation stage of the Sudanese (North-South) peace process. It mentions the Abuja Sudanese Peace Conference and the recognition of Sudan's diversities. Below the description, there are two links: "Peace Agreements Database" (highlighted with a red box) and "Full-text PDF".

Below the event details, a search bar contains the text "COUP D'ETAT". Below the search bar, a list of event categories is shown: AMNESTY, PEACE AGREEMENT, ELECTIONS, CONSTITUTION, and LOCAL AGREEMENT. A search filter "Amnesty: S..." is applied to the AMNESTY category. The timeline axis shows months from AUG 1991 to MAY 1994. Below the timeline, there are six category cards: Amnesties (12), Constitutions (6), Coups d'etat, Elections (8), Local Agreements, and Peace Agreements.

## STEP 7

To narrow or widen the timeline date range being shown, use the zoom button (highlighted) to see more years at once.

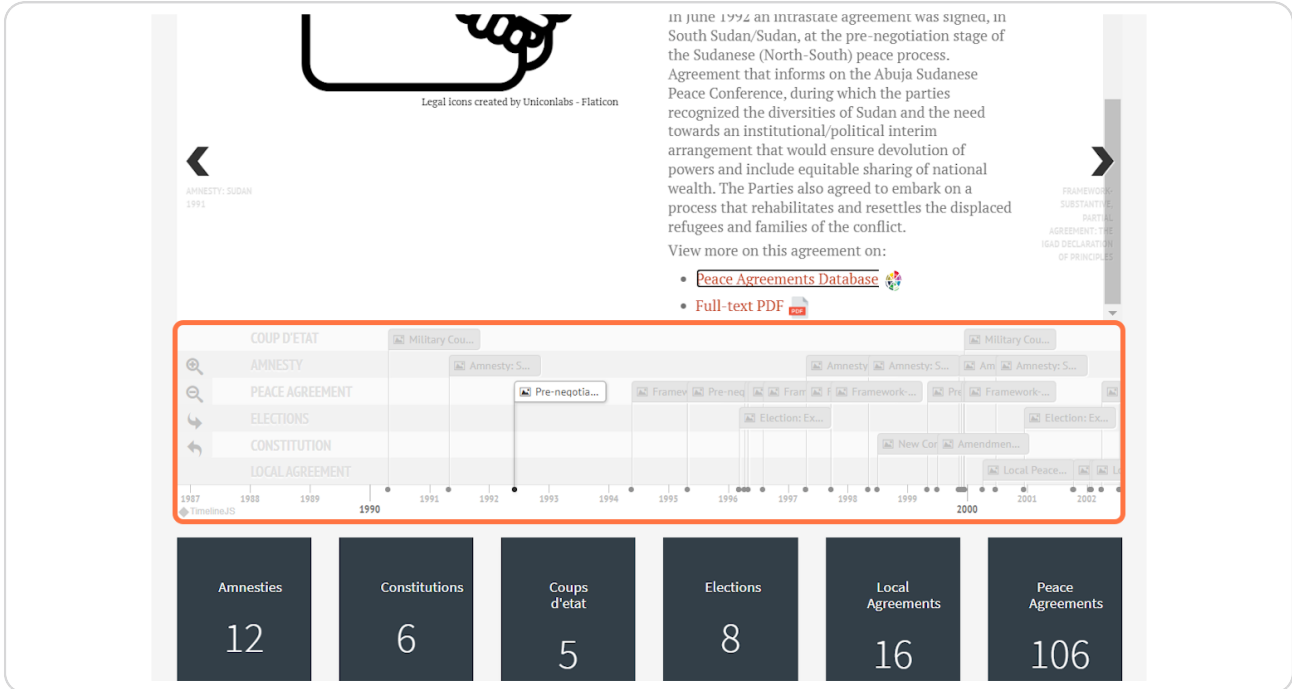
If you are interested in a period with a lot of events, use zoom in to see the more granular time span.



## STEP 8

This is the zoomed out view, which shows more events on the screen in the period 1990–2002, rather than 1991–1994 in the previous view.

This provides a good indicator of a time period where there was a lot of activity in the country's formal change process.



## STEP 9

If you would like to skip to the most recent event on the timeline, click the highlighted navigation arrow.

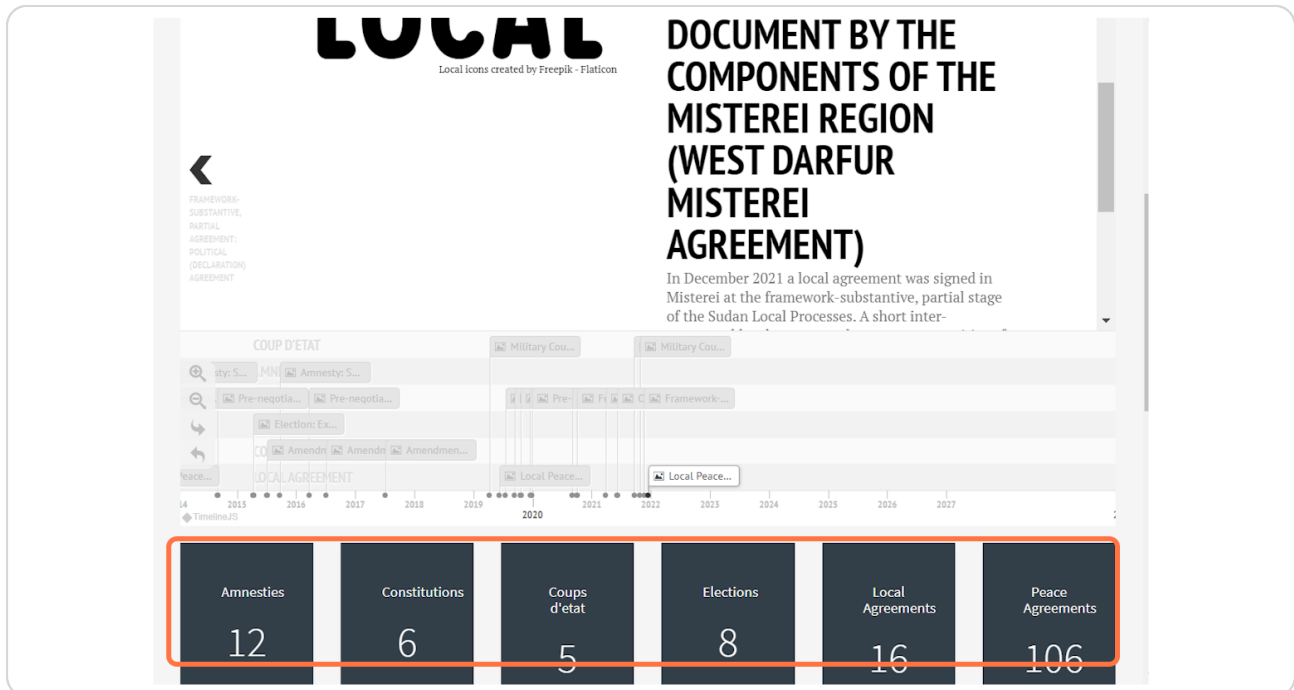
If at any point you would like to return to the first event on the timeline again, use the arrow below that will return you to the event furthest left.

The screenshot displays a digital timeline interface. At the top, a large black icon of a hand holding a pen is shown. Below it, a text block describes an event from June 1992 in Sudan, mentioning an intrastate agreement and the Abuja Sudanese Peace Conference. A list of links for 'View more on this agreement on:' includes 'Peace Agreements Database' and 'Full-text PDF'. The main part of the interface is a horizontal timeline from 1987 to 2002, with event markers for categories like 'COUP D'ETAT', 'AMNESTY', 'PEACE AGREEMENT', 'ELECTIONS', 'CONSTITUTION', and 'LOCAL AGREEMENT'. A red box highlights a circular arrow icon on the left side of the timeline, which is used for navigation. At the bottom, a row of six dark blue cards shows counts for each category: Amnesties (12), Constitutions (6), Coups d'etat (5), Elections (8), Local Agreements (16), and Peace Agreements (106).

## STEP 10

This jumps to the most recent event on the timeline.

In this case, the most recent event was a local agreement, as all event types are being shown on the timeline. The events shown can be filtered, as shown in the following step.



## STEP 11

### Click the drop down above the timeline, labelled 'Event type'

The event types that are included in the timelines are shown. Select one to just show them on the timeline. In this example, we will select 'Amnesty'.

Interactive timeline of peace or transition agreements, coup d'états, amnesties, elections and constitutional events since 1990.

Event type: Amnesty

### (WEST DARFUR MISTEREI AGREEMENT)

In December 2021 a local agreement was signed in Misterei at the framework-substantive, partial stage of the Sudan Local Processes. A short inter-communal local agreement between communities of Masturei and armed groups to cease forms of attack and open roads and market spaces. The agreement is an iterative dialogue involving draft agreement among armed forces representatives and representatives of JEM, GSLF, the Sudanese Alliance an the SLA/MM followed by a signed agreement involving signatories from all sides. The agreement states disputes should be resolved through legal

FRAMWORK-SUBSTANTIVE, PARTIAL AGREEMENT, POLITICAL (DECLARATION) AGREEMENT

COUP D'ETAT

Sty:S... MN Amnesty:S...

Pre-negotia... Pre-negotia...

Election: Ex...

Amendri Amendri Amendmen...

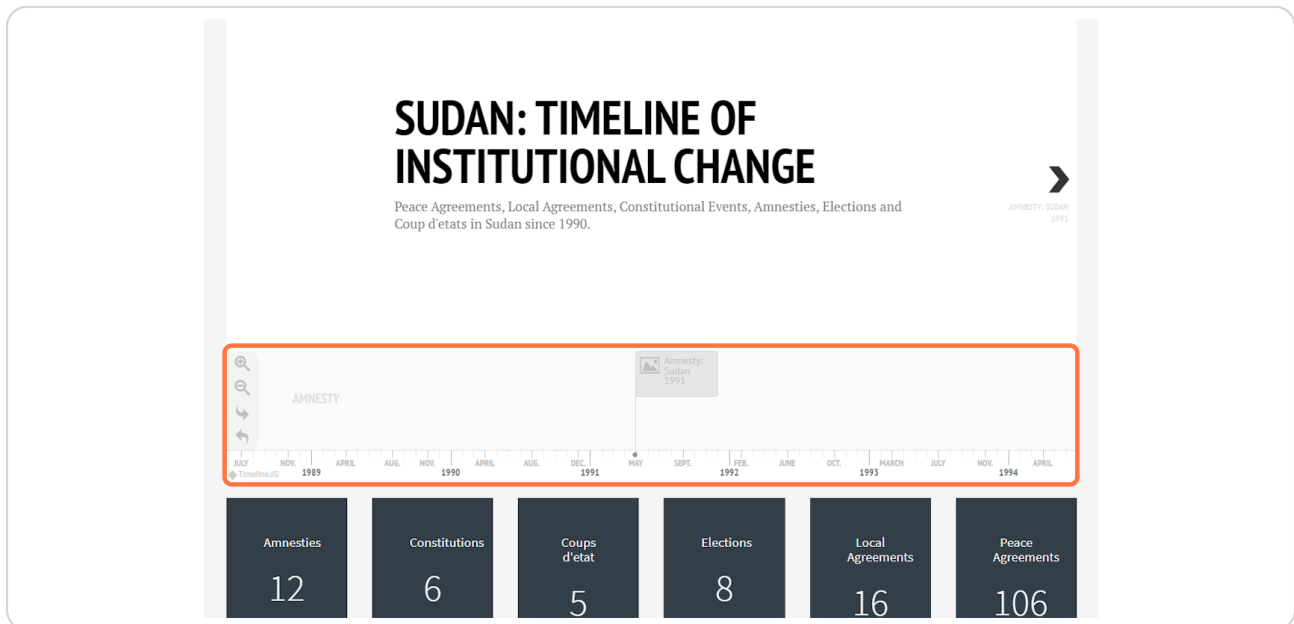
Local Peace... Local Peace...



## STEP 12

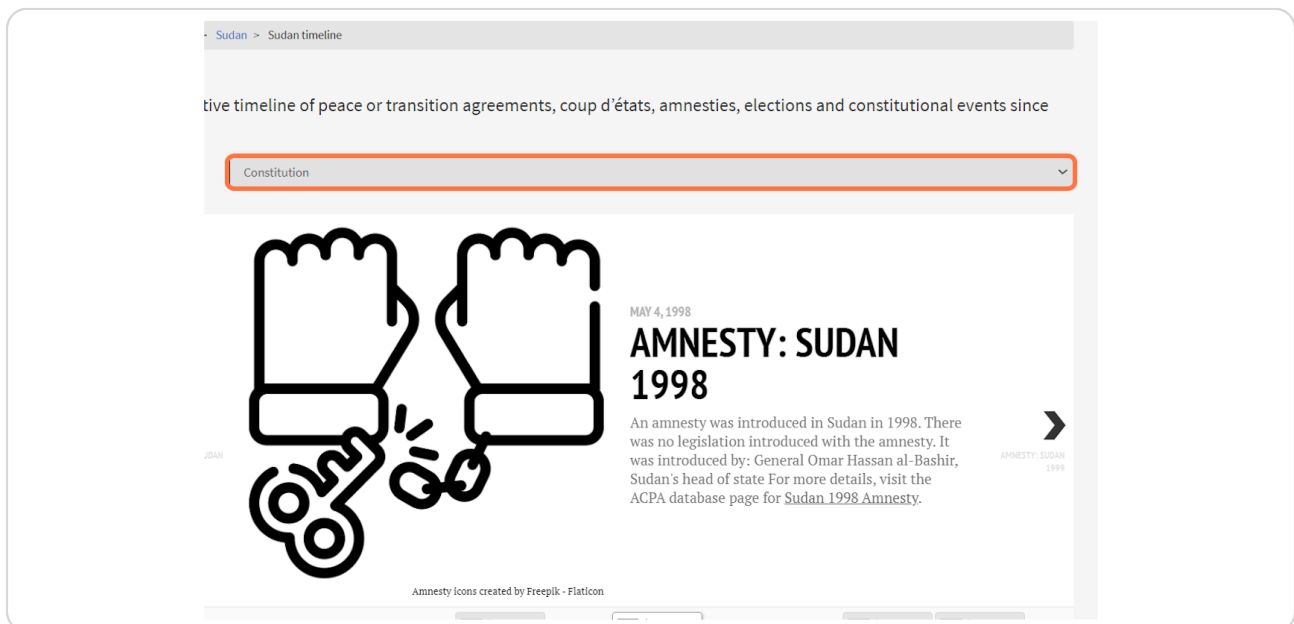
**After selecting the event type, only relevant events will be shown on the timeline.**

In this case, only Amnesties introduced in Sudan are shown on the timeline (12 in total).



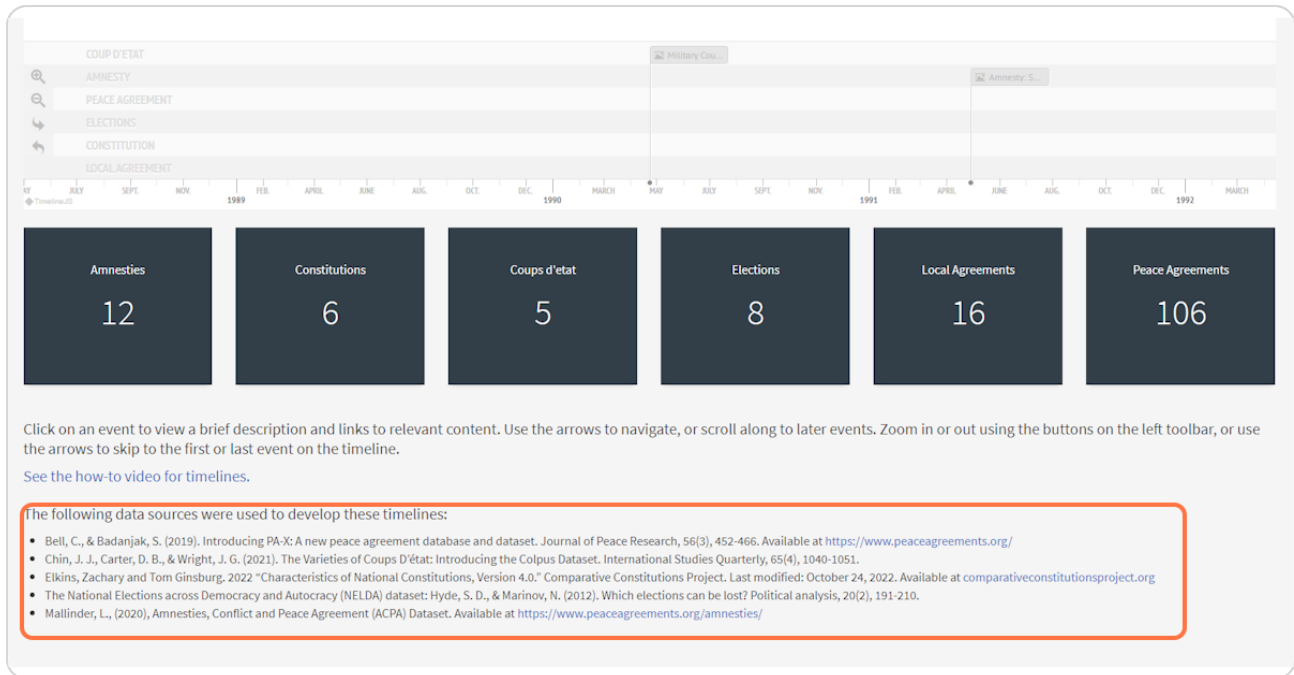
## STEP 13

**This selection can be changed at any stage via the dropdown.**



## STEP 14

Each event will have a link to the relevant data source it is from. For more detail on the sources, scroll below the timeline to see the citations of the data sources.





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# PA-X Tracker

## User Guide

Explore All Process Overviews on PA-X

<https://pax.peaceagreements.org/tracker/all/process>

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**PA-X**  
Peace  
Agreements  
Database





STEP 1

Open the PA-X Tracker, and click on 'All'



## STEP 2

### Click on Compare Processes

The 'Compare Processes' tile contains an interactive dashboard of all the peace agreements recorded in PA-X. Here you can view a map of coverage, top-level statistics, a timeline of processes, in addition to charts to illustrate agreement types, stages of processes and the content addressed in agreements.

Tracker > All

### Compare Processes

Joint Declaration between the Islamic Republic of Afghanistan and the United States of America for Bringing Peace to Afghanistan (29/02/2020)

3 Peace Processes | 25 Agreements | 0 Stages | 0 CPTs | 1 Last Stage | 24 April 1992 | 29 February 2020

Timeline of Peace Process

Number of Agreements by Stage of Process and Type of Agreement

Number of Provisions by Topic

### Compare Implementation Data

Select a Country: Afghanistan | Conflict Impacts

Overview

7215 Conflict Events | 55K Ent. Statistics in Conflict Events | 75211 Deaths in Public Violence Events

Last Update: 28 September 2019 | Last Expired: 6 March 1990

Global Peace Index Ranking: 163 (out of 163 countries)

Varieties of Democracy: -2.85 (out of 117)

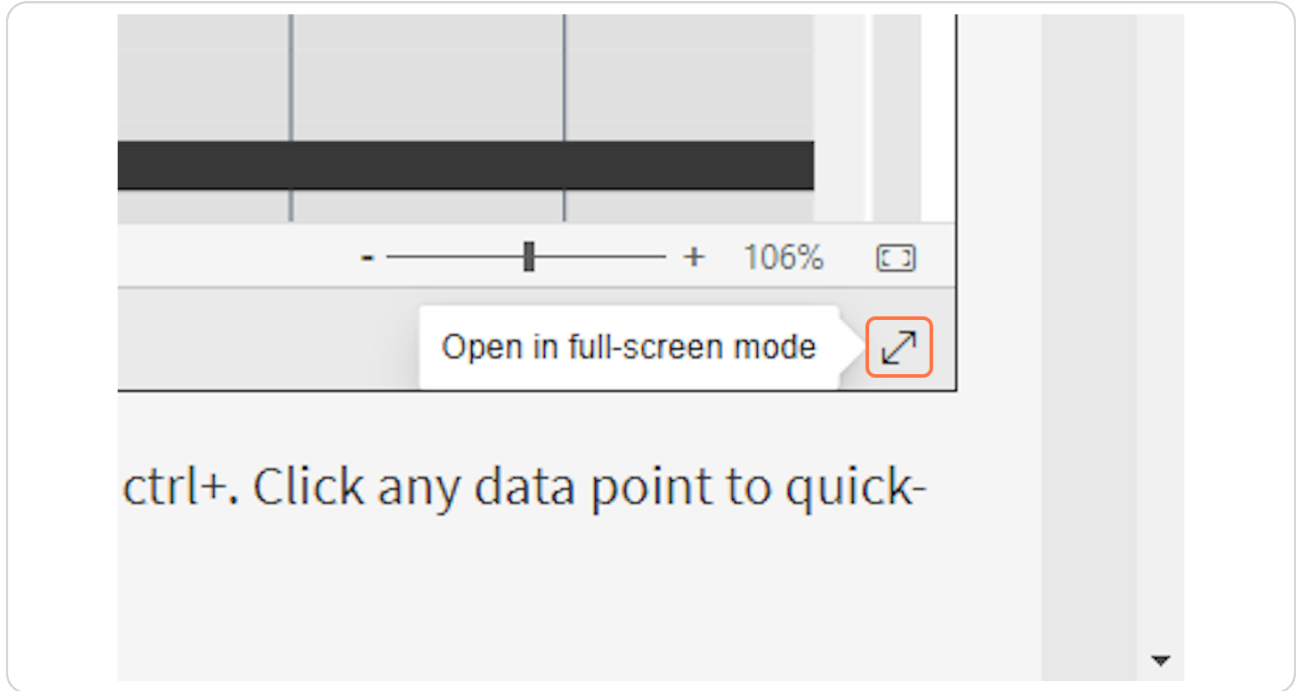
Complexity index in Afghanistan: 4.50 (out of 10)

Below Average Loss Freedom | Very High

### STEP 3

**The dashboard is best viewed in full screen mode - click on "Open in full-screen mode" at the bottom corner.**

The tracker is optimally viewed on a desktop. If you are viewing on mobile, you can still use full-screen mode which may be best viewed on landscape.

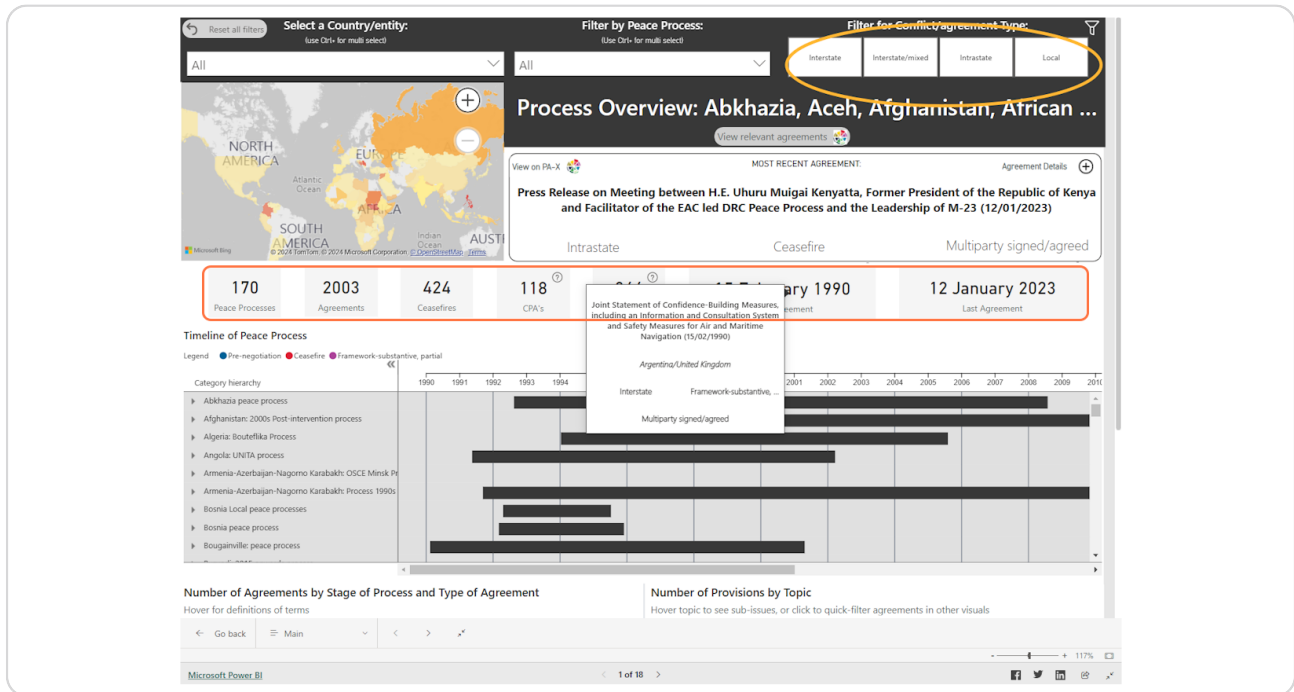


## STEP 4

Hover over any of the cards showing top-level numbers for more information.

Hover on the agreement dates to see what agreements were signed.

Hover on 'Agreements' box to see a pie chart of the make up of agreement types (interstate, intrastate, mixed, local). If you are only interested in specific types, you can select at the top right filters (circled).



## STEP 5

### Filter to a Region, Country/entity or Peace Process using the drop-down menus at the top of the page.

Hover over countries on the map to see how many agreements there are in each. Click on a country on the map to "quick-filter" the rest of the visuals on the page. "Quick filter" highlights data relevant to your selection. This can be done on any visual.

TIP: You can select more than one value on the filters by holding in the Ctrl button on your keyboard.

Reset all filters | Select a Country/entity: (Use Ctrl+ for multi select) | Filter by Peace Process: (Use Ctrl+ for multi select) | Filter for Conflict/agreement Type: Interstate, Interstate/mixed, Intrastate, Local

All | Search | Select all | Africa (excl MENA) | Americas | Argentina | Colombia | Costa Rica

### Process Overview: Abkhazia, Aceh, Afghanistan, African ...

View relevant agreements

View on PA-X | MOST RECENT AGREEMENT: Agreement Details (+)

Press Release on Meeting between H.E. Uhuru Muigai Kenyatta, Former President of the Republic of Kenya and Facilitator of the EAC led DRC Peace Process and the Leadership of M-23 (12/01/2023)

Intrastate | Ceasefire | Multiparty signed/agreed

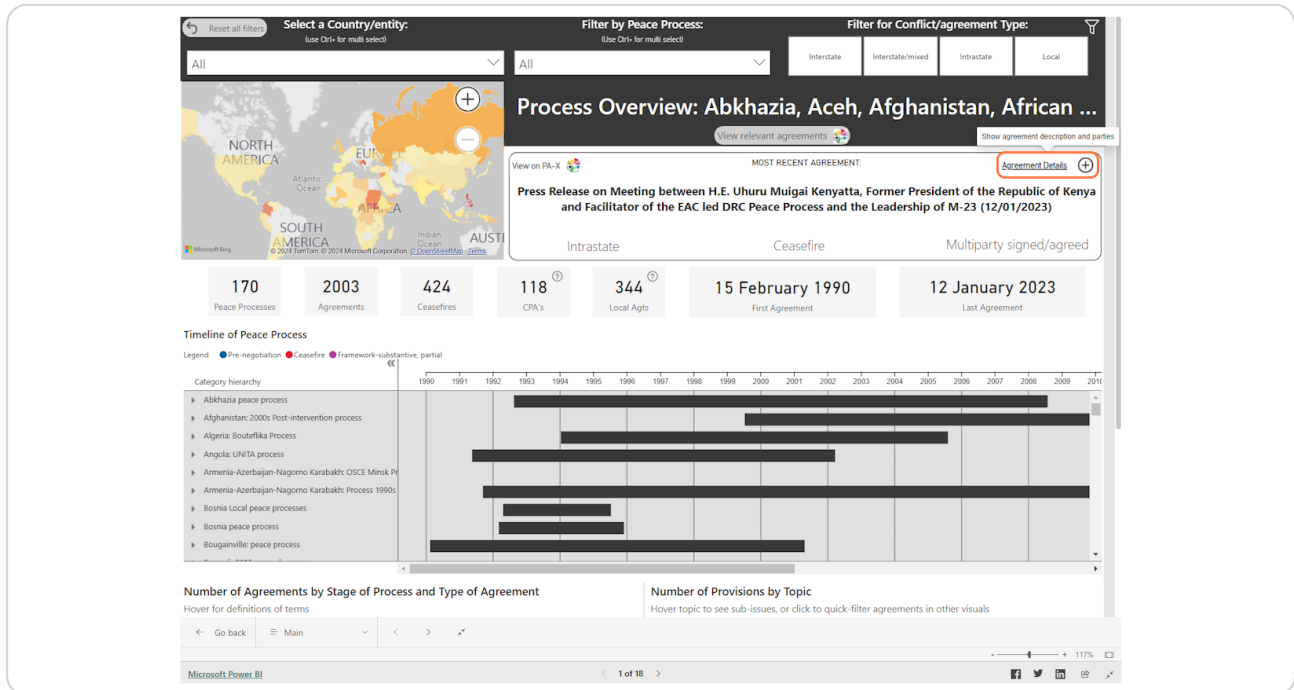
170 Peace Processes	2003 Agreements	424 Ceasefires	118 <sup>?</sup> CPA's	344 <sup>?</sup> Local Agts	15 February 1990 First Agreement	12 January 2023 Last Agreement
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## STEP 6

The box that shows the most recent agreement can be expanded to see more details on the agreement.

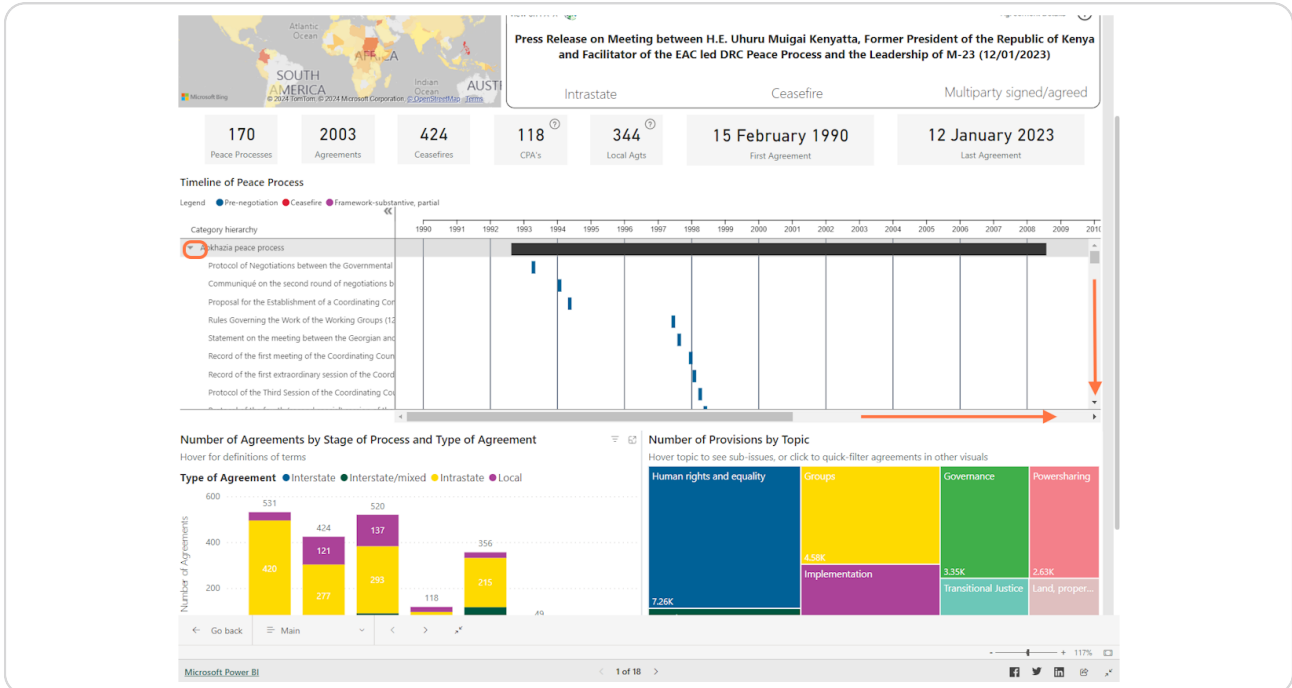
Here you can view key information on the agreement, including the date, process, type, stage, description and party/third party signatories. There are also buttons that can provide the agreement entry on PA-X, the full-text PDF, or an export of all PA-X coding on the agreement as a PDF.



## STEP 7

Click on the arrow beside the process name on the Timeline of Peace Process to see the agreements within the process.

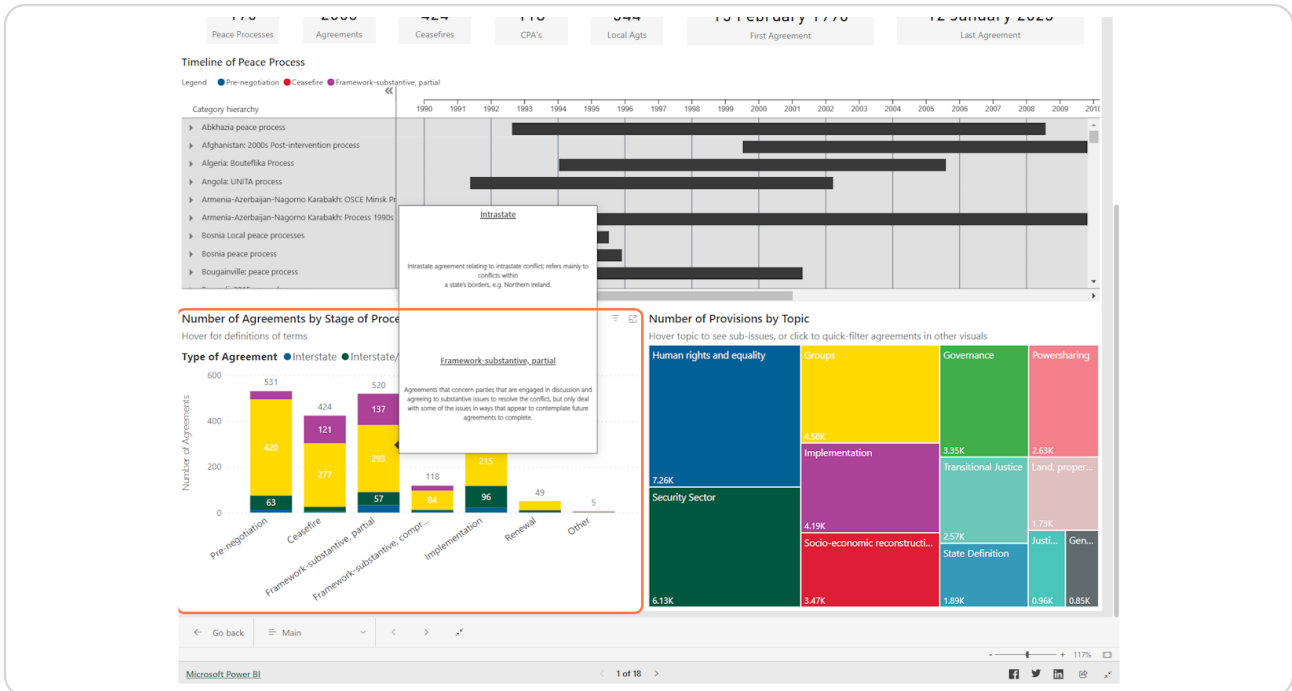
Scroll the canvas of the Gantt chart vertically and horizontally to see agreements over time. The agreements are ordered chronologically, and grouped by the 'stage' of the process they are introduced. This is to show there is not always a linear trend from pre-negotiation to ceasefire to comprehensive agreements. See the Messy Timeline visualisation to see how negotiations often go back and forth: <https://pax.peaceagreements.org/visualizations/messy-peace-processes/>



## STEP 8

View the types of agreement, and the stages of processes they are signed at for the country/processes you have selected. Hover over a bar to see definitions of the relevant terms, according to the PA-X codebook.

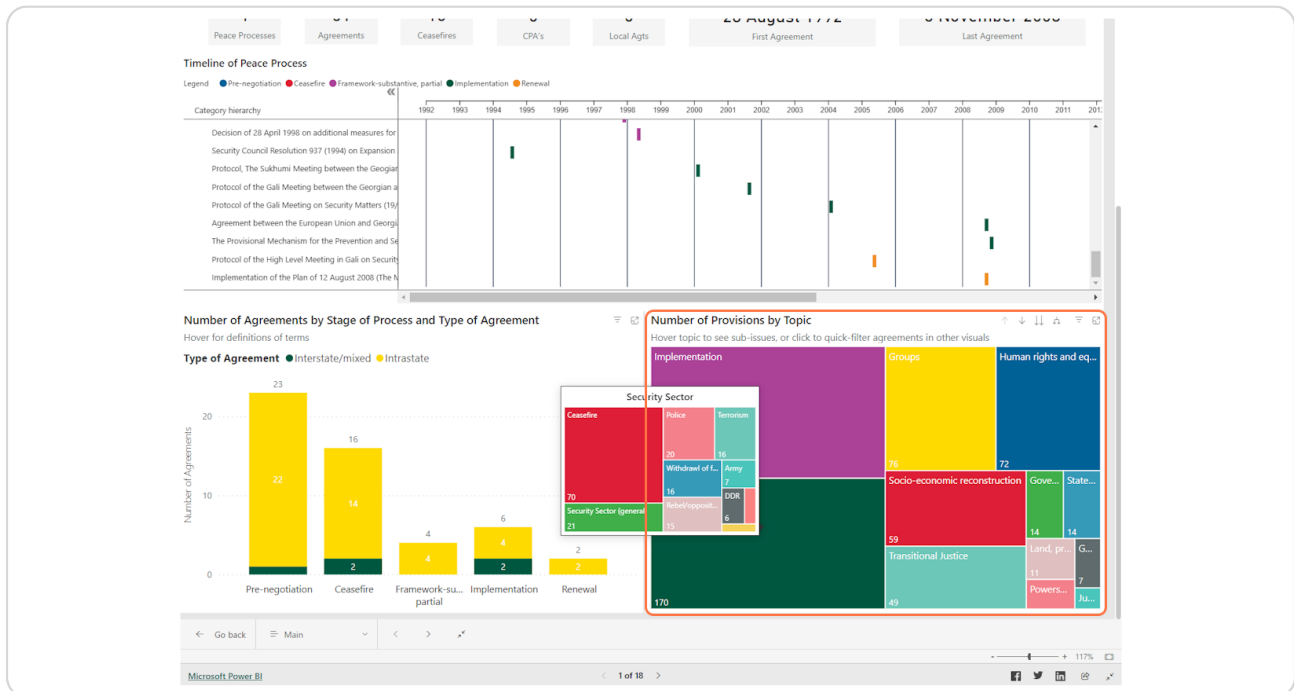
TIP: All charts can interact with each other. Click a bar or a value on the legend to highlight data relevant to the selection on other charts. For example, if you click framework-substantive partial on this bar chart, it will highlight the relevant agreements on the timeline above, and highlight the content addressed in those agreements on the treemap. Click anywhere again to remove this "quick-filter".



## STEP 9

Hover over topics in the treemap to see what sub-topics make up the contents.

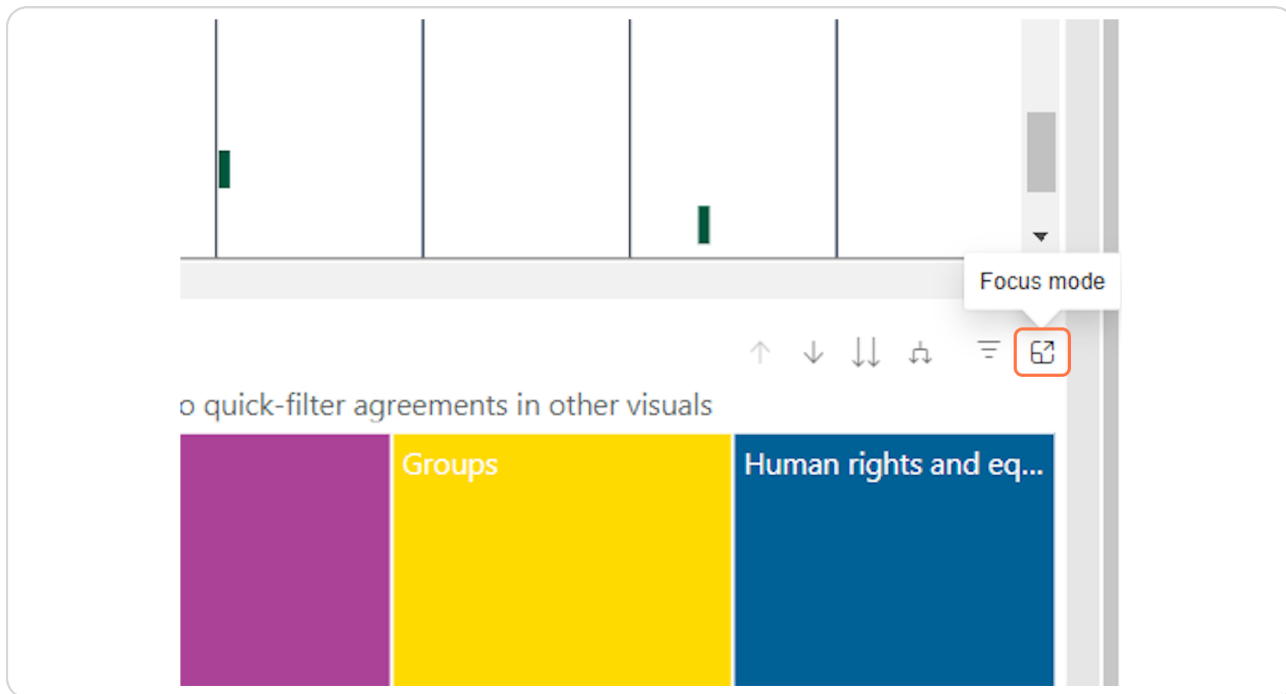
TIP: Click on a topic to see what agreements on the other charts address the topic.



## STEP 10

To view any visual larger, on its own, click on **Focus mode** at the top right corner.

"Focus mode" is available for most visualisations across the PA-X Tracker. If you use a visual in a report or research, please cite the PA-X Tracker (PeaceRep).



## STEP 11

If you are interested in a particular topic on the tree map, click the downward arrow that says "Click to turn on Drill down", and then click a topic. This will show the proportions of the sub-topics that are included in the topic category.

To turn off Drill down, click the button again, or "Drill up".



STEP 12

If you want to view the individual agreements that are being shown as full-text PDFs, or their entries on PA-X click "View relevant agreements" at the page title.

NOTE: Any filters that have been applied will apply to the list of agreements. If a specific peace process is selected from the dropdown, only agreements in that process will be listed. If you have "quick-selected" a data point, such as a topic on the tree map, it will only show relevant agreements that mention that topic.

The screenshot displays a web interface with the following elements:

- Filter by Peace Process:** A dropdown menu with the instruction "(Use Ctrl+ for multi select)".
- Filter for Conflict/agreement:** A dropdown menu currently showing "Interstate/mixed".
- Search Bar:** Contains the text "Abkhazia". Above the search bar, it says "Show links to relevant agreements in PA-X".
- Action Button:** A button labeled "View relevant agreements" with a colorful icon, highlighted by a red box.
- Agreement List:** A table with the following visible data:

state/mixed	Implementation	Multiple
0 <sup>?</sup>	28 August 1992	3 Novem

## STEP 13

Navigate to the relevant agreements using the link icon. View on PA-X will show the coding page of the agreement on the database, and View PDF will open the agreement full-text PDF.

Sort the table of agreements by clicking on the table headers.

Agreements are sorted by date oldest -> newest by default. Click agreement again to see newest -> oldest, or sort the table by any of the other columns (Peace Process or Stage).

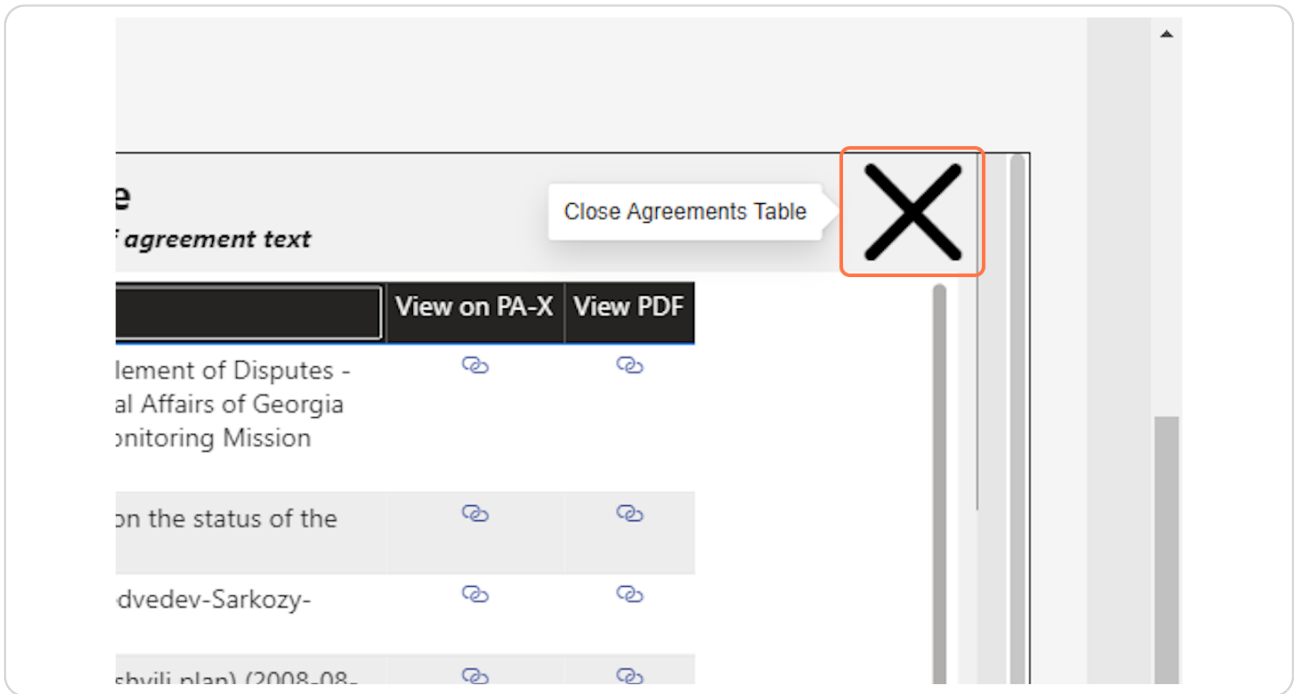
The screenshot displays the PA-X Peace Agreements Database interface. At the top, there is a search bar and a navigation menu. Below the search bar, a table lists various peace agreements. The table has five main columns: Country/entity, Peace Process, Stage, Agreement, and View on PA-X / View PDF. A red circle highlights the 'View on PA-X' and 'View PDF' icons for the first row, which corresponds to the 'Protocol of Consultations on the Regulation and Abkhazia (1992-08-28)'. The table lists 20 different agreements, each with its own set of icons for viewing the coding page or the full-text PDF. The interface also includes a footer with navigation controls and social media links.

Country/entity	Peace Process	Stage	Agreement	View on PA-X	View PDF
Georgia/Abkhazia	Abkhazia peace process	Ceasefire	Protocol of Consultations on the Regulation and Abkhazia (1992-08-28)		
Georgia/Russia/Abkhazia	Abkhazia peace process	Ceasefire	Final Document of the Moscow Meeting (Moscow Ceasefire) (1992-09-03)		
Georgia/Russia/(Abkhazia)	Abkhazia peace process	Pre-negotiation	Protocol of Negotiations between the Governmental Delegations of the Republic of Georgia and the Russian Federation (1993-04-09)		
Georgia/Abkhazia	Abkhazia peace process	Ceasefire	Agreement on a Ceasefire in Abkhazia and Arrangements to Monitor its Observance (Sochi Agreement) (1993-07-27)		
Georgia/Abkhazia	Abkhazia peace process	Ceasefire	Agreement on Ceasefire and the mechanisms of its implementation in Abkhazia (1993-09-27)		
Georgia/Abkhazia	Abkhazia peace process	Framework-substantive, partial	Memorandum of understanding between the Georgian and Abkhaz sides at the negotiations held in Geneva (1993-12-01)		
Georgia/Abkhazia	Abkhazia peace process	Pre-negotiation	Communiqué on the second round of negotiations between the Georgian and Abkhaz sides (1994-01-13)		
Georgia/Abkhazia	Abkhazia peace process	Ceasefire	Declaration on Measures of a Political Settlement of the Georgia-Abkhaz Conflict (1994-04-04)		
Georgia/Russia/Abkhazia	Abkhazia peace process	Framework-substantive, partial	Quadripartite Agreement on Voluntary Return of Refugees and Displaced Persons (1994-04-04)		
Georgia/Abkhazia	Abkhazia peace process	Pre-negotiation	Proposal for the Establishment of a Coordinating Commission (1994-05-11)		
Georgia/Abkhazia	Abkhazia peace process	Ceasefire	Agreement on a Ceasefire and Separation of Forces (1994-05-14)		
Georgia/Abkhazia	Abkhazia peace process	Implementation	Security Council Resolution 937 (1994) on Expansion and Extension of the Mandate of the UN Observer Mission in Georgia and its Cooperation with the CIS Peacekeeping Force (1994-07-23)		
Georgia/Abkhazia	Abkhazia peace process	Pre-negotiation	Rules Governing the Work of the Working Groups (1997-06-12)		
Georgia/Abkhazia	Abkhazia peace process	Pre-negotiation	Statement on the meeting between the Georgian and Abkhaz parties (1997-08-14)		
Georgia/Abkhazia	Abkhazia peace process	Framework-substantive, partial	Concluding Statement on the Outcome of the Resumed Meeting between the Georgian and Abkhaz parties (1997-11-19)		
Georgia/Abkhazia	Abkhazia peace process	Pre-negotiation	Record of the first meeting of the Coordinating Council of the Georgian and Abkhaz Parties and Statute of the Coordinating Council (1997-12-18)		
Georgia/Abkhazia	Abkhazia peace process	Pre-negotiation	Record of the first extraordinary session of the Coordinating Council of the Georgian and Abkhaz parties (1998-01-22)		
Georgia/Russia/Abkhazia	Abkhazia peace process	Pre-negotiation	Protocol of the Third Session of the Coordinating Council of the Georgian and Abkhaz Sides (1998-03-31)		
Georgia/Abkhazia	Abkhazia peace process	Framework-substantive, partial	Decision of 28 April 1998 on additional measures for the settlement of the conflict in Abkhazia, Georgia, The Council of Heads of State of the Commonwealth of Independent States (1998-04-28)		



STEP 14

Use the X button to close the agreements table and return to the dashboard view.





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# PA-X Tracker

## User Guide

Explore the Past  
Agreement Actor Networks

<https://pax.peaceagreements.org/tracker/>

**PA-X**  
Peace  
Agreements  
Database

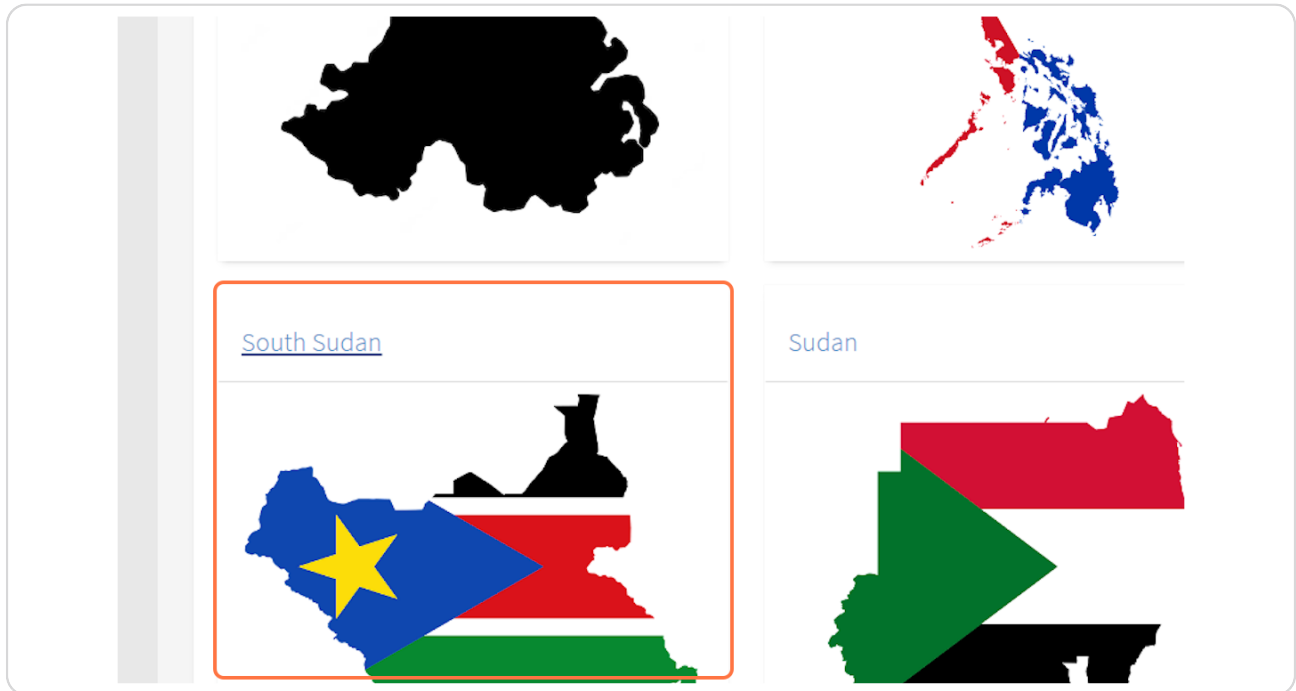




STEP 1

**Click on a country profile, in this case: South Sudan**

Each country profile contains a past agreement actor network of the signatories (party and third party) non-local agreements in the PA-X database that are related to conflict(s) within the selected country.



## STEP 2

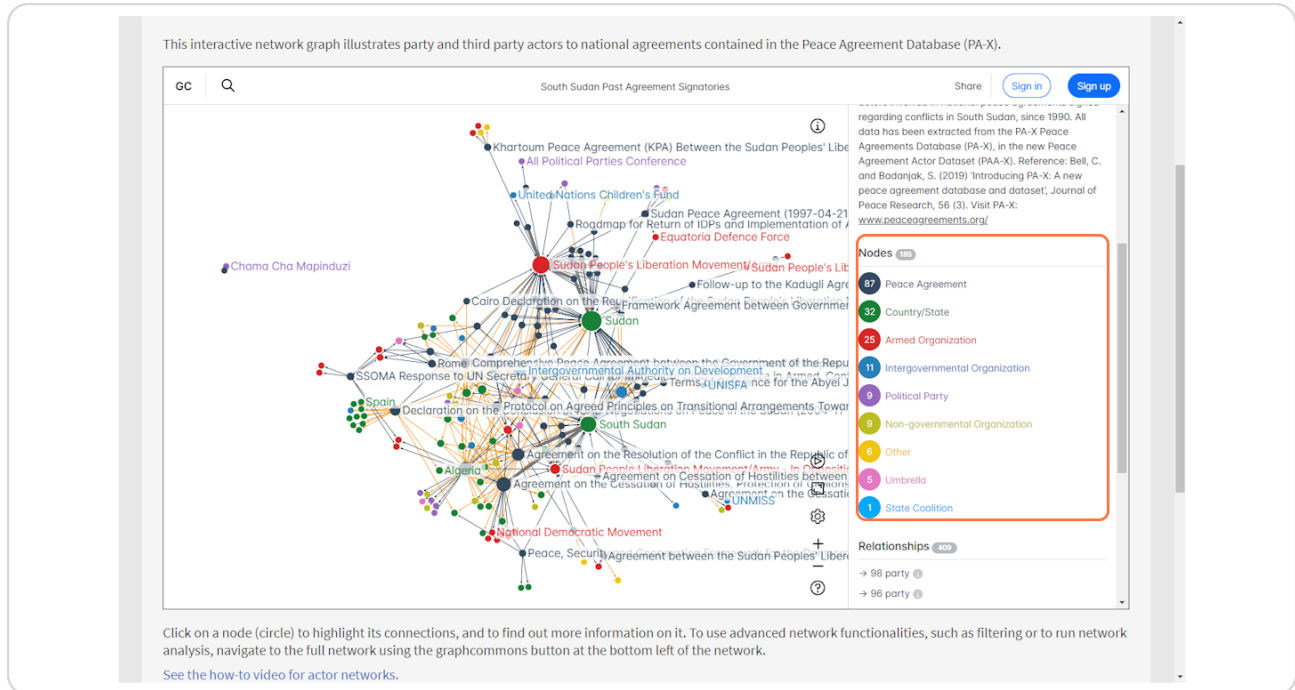
**Click on Agreement Actor Network to navigate to the network visualisation.**

The screenshot shows a dashboard with four main panels. The top-left panel is titled "Process Overview" and contains a map, a table of statistics, and two bar charts. The top-right panel is titled "Agreement Actor Network" and features a network graph with nodes and connecting lines. The bottom-left panel is titled "Perceptions of Peace Survey" and is currently empty. The bottom-right panel is titled "Implementation Report Digest" and includes a timeline with colored dots and the text "12 instances 44 segments" with a "News" link. A "Peace Impa" logo is visible in the bottom-left corner of the dashboard area.

### STEP 3

## Once you open the network, you can see an overview of all the agreements signed in the selected country.

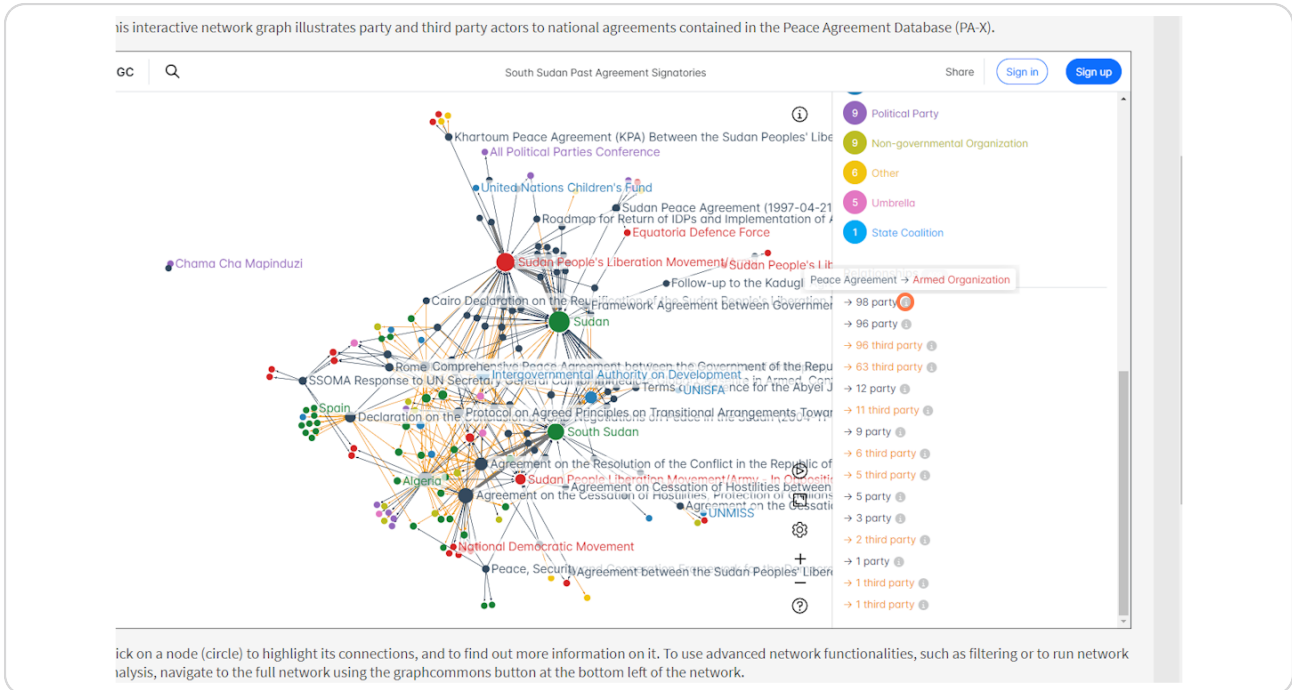
The information panel along the right illustrates the nodes that are displayed in the network. In the case of South Sudan, there are 87 peace agreements displayed on the network, that were signed by the different actors/actor types listed below.



## STEP 4

Scroll down this information panel to see more information on the signatory instances.

The party/third party instances are separated by actor type. Hover for more information on these relationships. For example, in this South Sudan example there were 96 instances of an Armed Organization being a party signatory to peace agreement.



## STEP 5

Click on a circle ("node") to highlight its connections, and for more information on the node.

In a network, "nodes" are the entities being connected by some sort of relationship ("edge"). In the past agreement actor networks, peace agreements and actors are linked to each other with a 'party' or 'third party' relationship to denote the instance of the actor signing the peace agreement.

This interactive network graph illustrates party and third party actors to national agreements contained in the Peace Agreement Database (PA-X).

GC Q South Sudan Past Agreement Signatories Share Sign in Sign up

**PA-X**  
Peace Agreements Database

South Sudan Past Agreement Signatories

Updated Feb 16, 2024

This network illustrates the party and third party actors involved in national peace agreements signed regarding conflicts in South Sudan, since 1990. All data has been extracted from the PA-X Peace Agreements Database (PA-X), in the new Peace Agreement Actor Dataset (PAA-X). Reference: Bell, C. and Bodanjak, S. (2019) Introducing PA-X: A new peace agreement database and dataset, Journal of Peace Research, 56 (3). Visit PA-X: [www.peaceagreements.org](http://www.peaceagreements.org)

**Nodes**

- 87 Peace Agreement
- 32 Country/State
- 26 Armed Organization
- 11 Intergovernmental Organization

Click on a node (circle) to highlight its connections, and to find out more information on it. To use advanced network functionalities, such as filtering or to run network analysis, navigate to the full network using the graphcommons button at the bottom left of the network.

See the how-to video for actor networks.

## STEP 6

**When a node is selected, its connections are highlighted and further information shows on the information panel.**

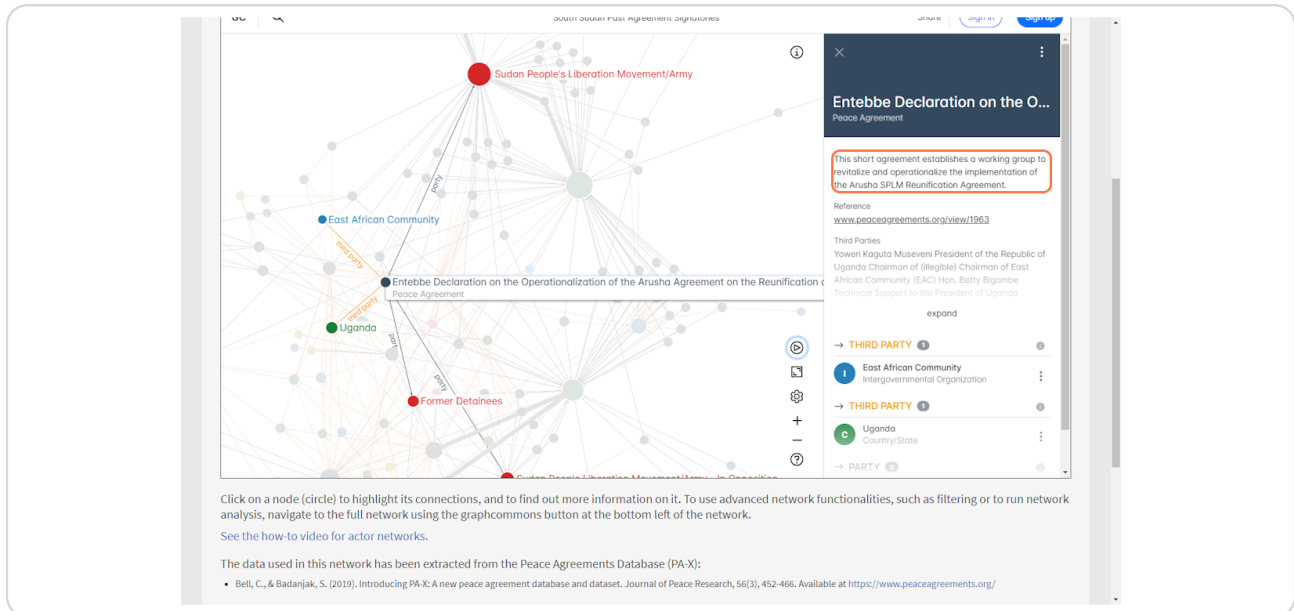
In this case, an actor has been selected so the agreements that actor has been involved in has been highlighted on the network. These agreements are listed in the information panel and can be clicked to show where they are on the network, and to find out more on the agreement.

The screenshot displays a network graph titled "South Sudan Past Agreement Signatories". The graph shows a central node labeled "Sudan" (Country/State) with numerous connections to other nodes representing various peace agreements. A red circle highlights the "Sudan" node and its immediate connections. An orange arrow points from the text "related nodes to selection are highlighted" to this circle. To the right, an "Information Panel" is open for "Sudan". The panel includes a title "Sudan" (Country/State), a description "Sudan is a Country/State in Africa.", a reference to the "The Peace Agreement Actor Dataset (PAA-X)", and a list of related agreements under the heading "PARTY 50". One agreement, "Agreement between Sudan and South Sudan...", is circled in orange. Below the list, the text "select agt to view expand" is visible. The interface also features a "Share" button, "Sign in" and "Sign up" buttons, and a search bar.



## STEP 7

If you select an agreement node, the network highlights the signatories, and the information panel provides details on the agreements.



Click on a node (circle) to highlight its connections, and to find out more information on it. To use advanced network functionalities, such as filtering or to run network analysis, navigate to the full network using the graphcommons button at the bottom left of the network.

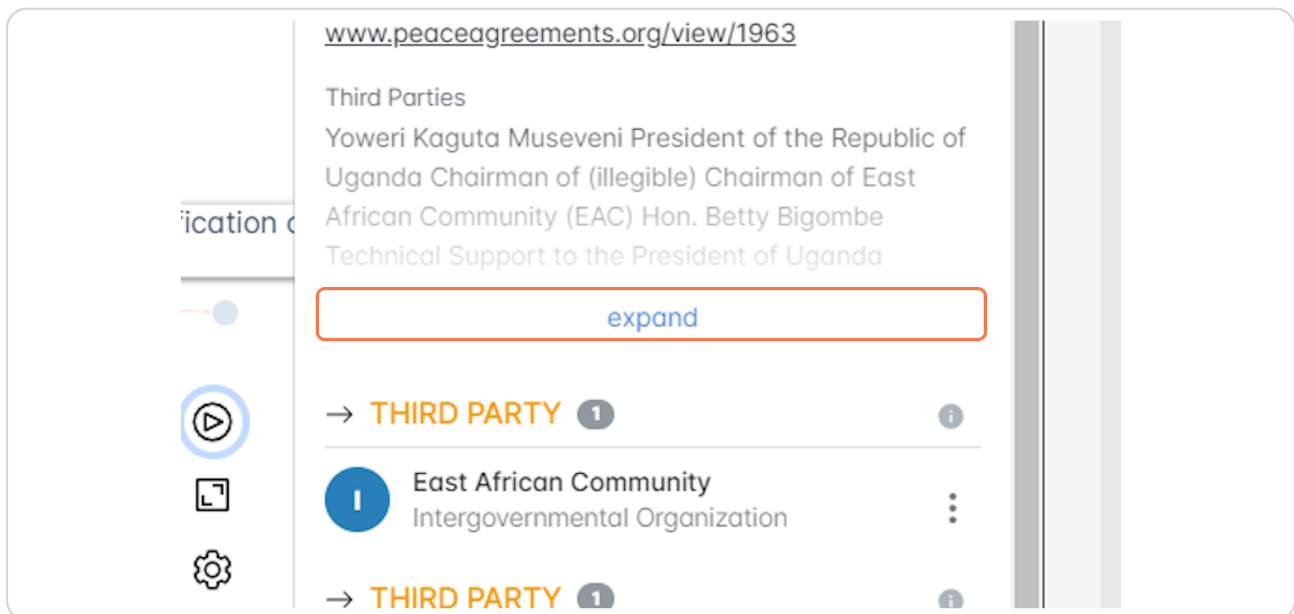
See the [how-to video for actor networks](#).

The data used in this network has been extracted from the Peace Agreements Database (PA-X):

- Bell, C., & Badanjak, S. (2019). Introducing PA-X: A new peace agreement database and dataset. *Journal of Peace Research*, 56(3), 452-466. Available at <https://www.peaceagreements.org/>

## STEP 8

The information panel can be expanded to show relevant details on the agreement from the PA-X database. The reference link will allow the user to navigate to the entry of the agreement in PA-X.



[www.peaceagreements.org/view/1963](https://www.peaceagreements.org/view/1963)

Third Parties  
Yoweri Kaguta Museveni President of the Republic of Uganda  
Chairman of (illegible) Chairman of East African Community (EAC)  
Hon. Betty Bigombe  
Technical Support to the President of Uganda

expand

→ THIRD PARTY 1

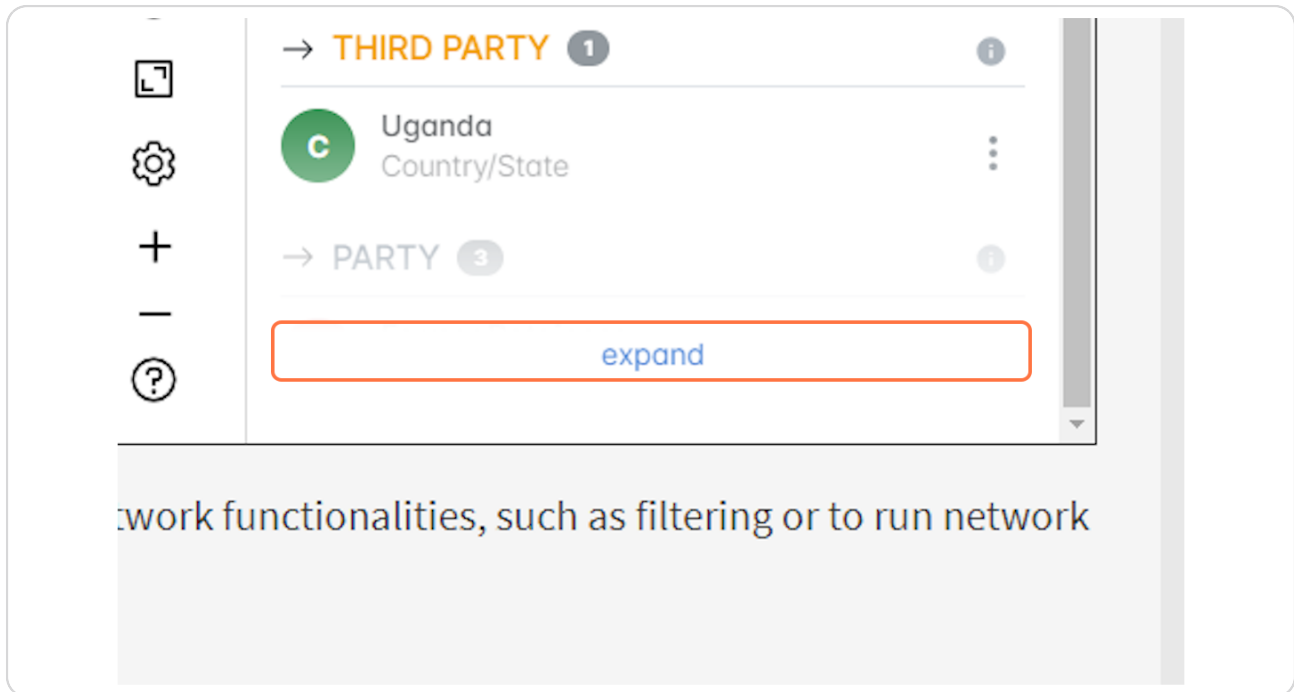
East African Community  
Intergovernmental Organization

→ THIRD PARTY 1

## STEP 9

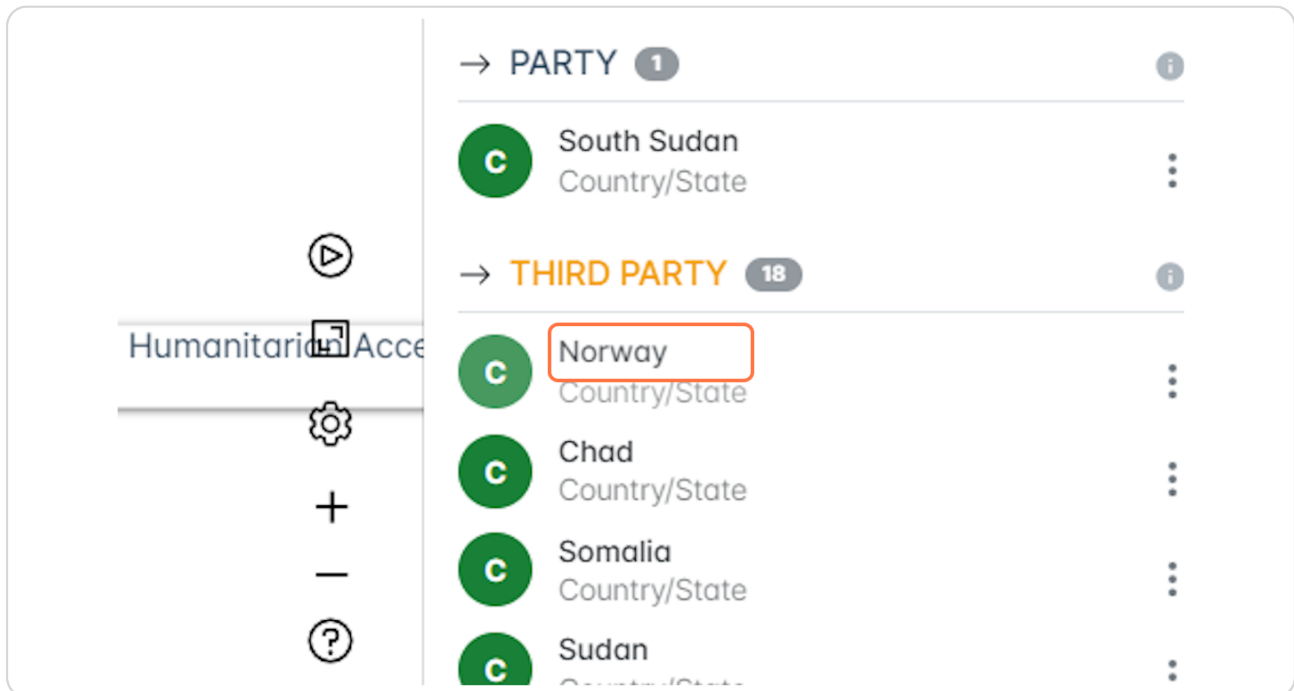
**The connections to the selected node can be expanded to show a list of all the connections.**

In this case, we have selected an agreement so the nodes listed will be the relevant signatories. They are separated by signatory type (party/third party) and by actor type (IGO/Country/Armed Organization).



## STEP 10

These list of nodes are fully interactive - click a node to highlight its connections on the network.

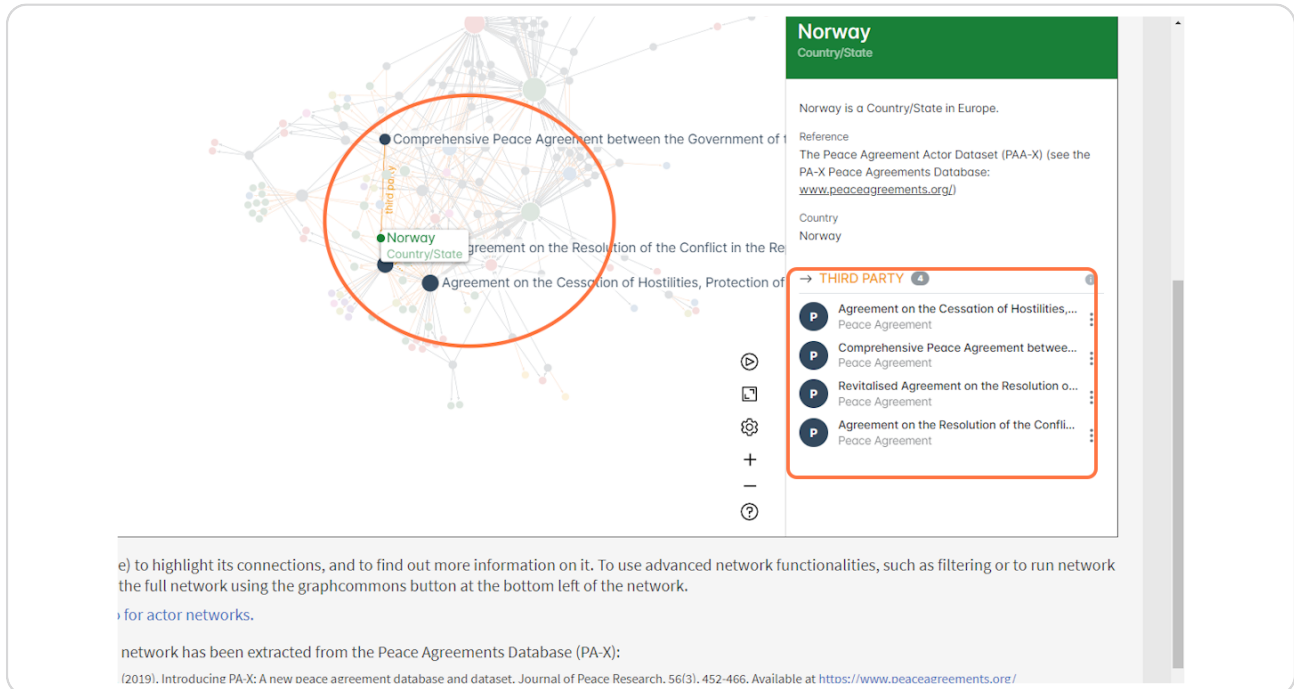


The screenshot shows a sidebar on the left with navigation icons: a play button, a search icon, a gear, a plus sign, a minus sign, and a question mark. The main content area displays a list of nodes. The first section is titled '→ PARTY 1' and contains one node: 'South Sudan Country/State'. The second section is titled '→ THIRD PARTY 18' and contains five nodes: 'Norway Country/State', 'Chad Country/State', 'Somalia Country/State', and 'Sudan Country/State'. The 'Norway' node is highlighted with a red border. Each node has a green circle with a white 'C' and a vertical ellipsis menu icon to its right.

## STEP 11

In this case, if you select an actor (such as Norway) it will highlight the agreements they have been party/third party to.

We can see that Norway was a third party signatory to 4 agreements in South Sudan.



The screenshot displays a network graph with nodes representing actors and edges representing relationships. A red circle highlights the 'Norway' node. To the right, a panel titled 'Norway' provides details:

- Norway**  
Country/State
- Norway is a Country/State in Europe.
- Reference  
The Peace Agreement Actor Dataset (PAA-X) (see the PA-X Peace Agreements Database: [www.peaceagreements.org/](http://www.peaceagreements.org/))
- Country  
Norway
- THIRD PARTY** (4)
- P** Agreement on the Cessation of Hostilities, ...  
Peace Agreement
- P** Comprehensive Peace Agreement between...  
Peace Agreement
- P** Revitalised Agreement on the Resolution o...  
Peace Agreement
- P** Agreement on the Resolution of the Confi...  
Peace Agreement

Below the network, there is a text box with the following content:

e) to highlight its connections, and to find out more information on it. To use advanced network functionalities, such as filtering or to run network the full network using the graphcommons button at the bottom left of the network.

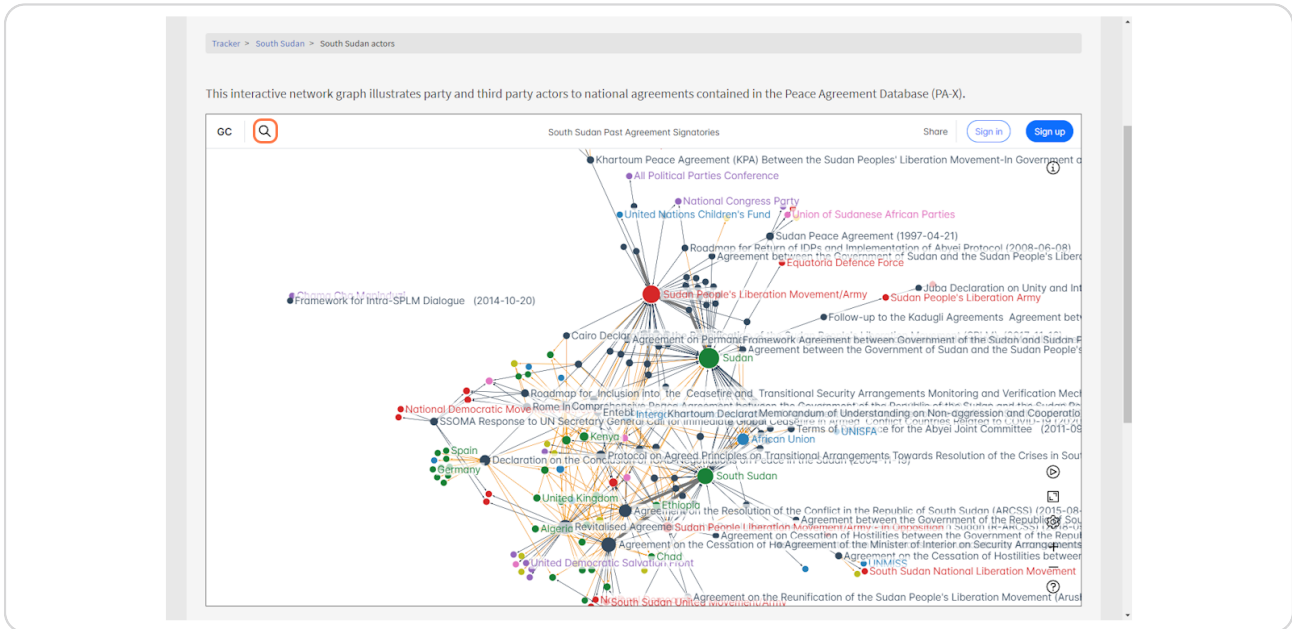
for actor networks.

network has been extracted from the Peace Agreements Database (PA-X):

(2019). Introducing PA-X: A new peace agreement database and dataset. Journal of Peace Research, 56(3), 452-466. Available at <https://www.peaceagreements.org/>

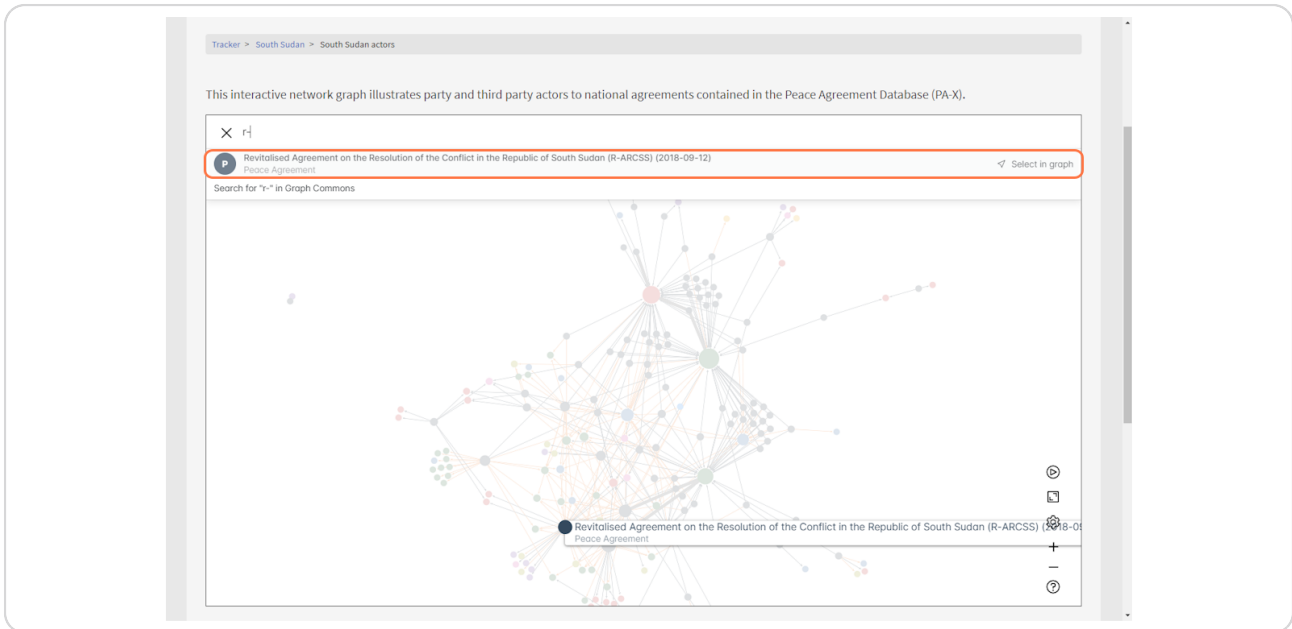
## STEP 12

If interested in a specific agreement or actor in the network, nodes can be searched via the search icon at the top left of the interface.



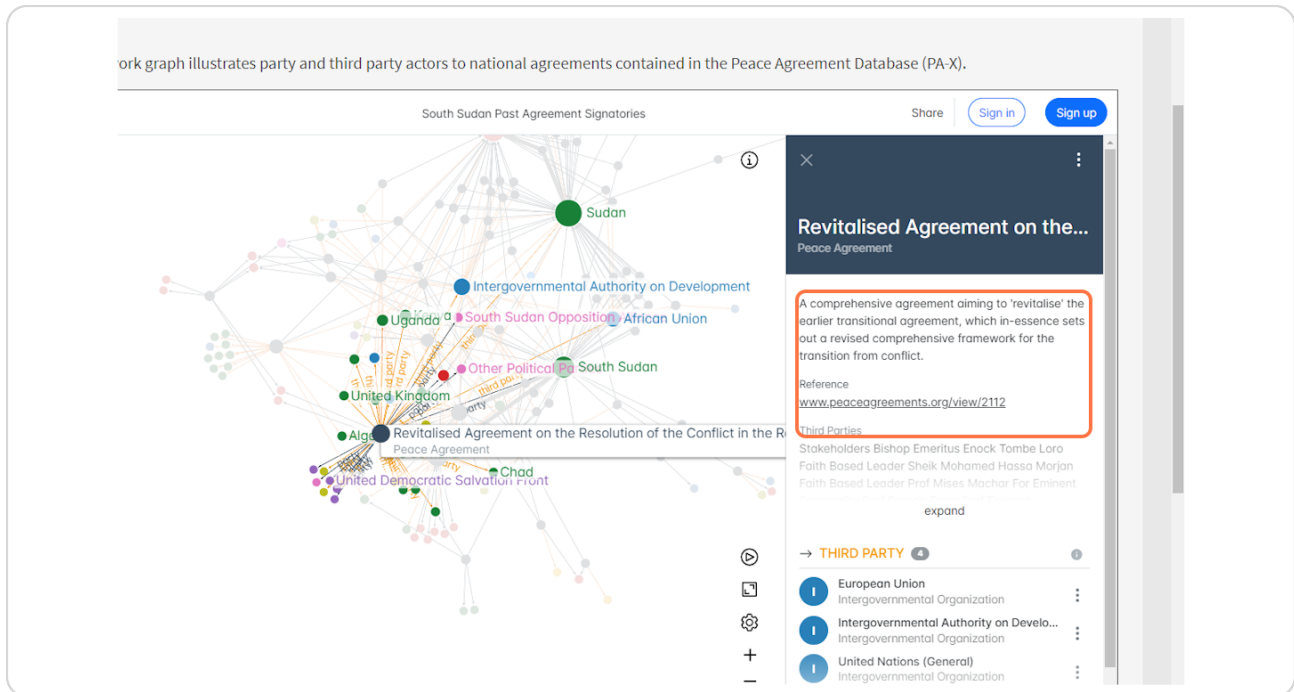
## STEP 13

This search was for the R-ARCSS agreement in South Sudan. Click on the search results to select the node and its connections on the network.



## STEP 14

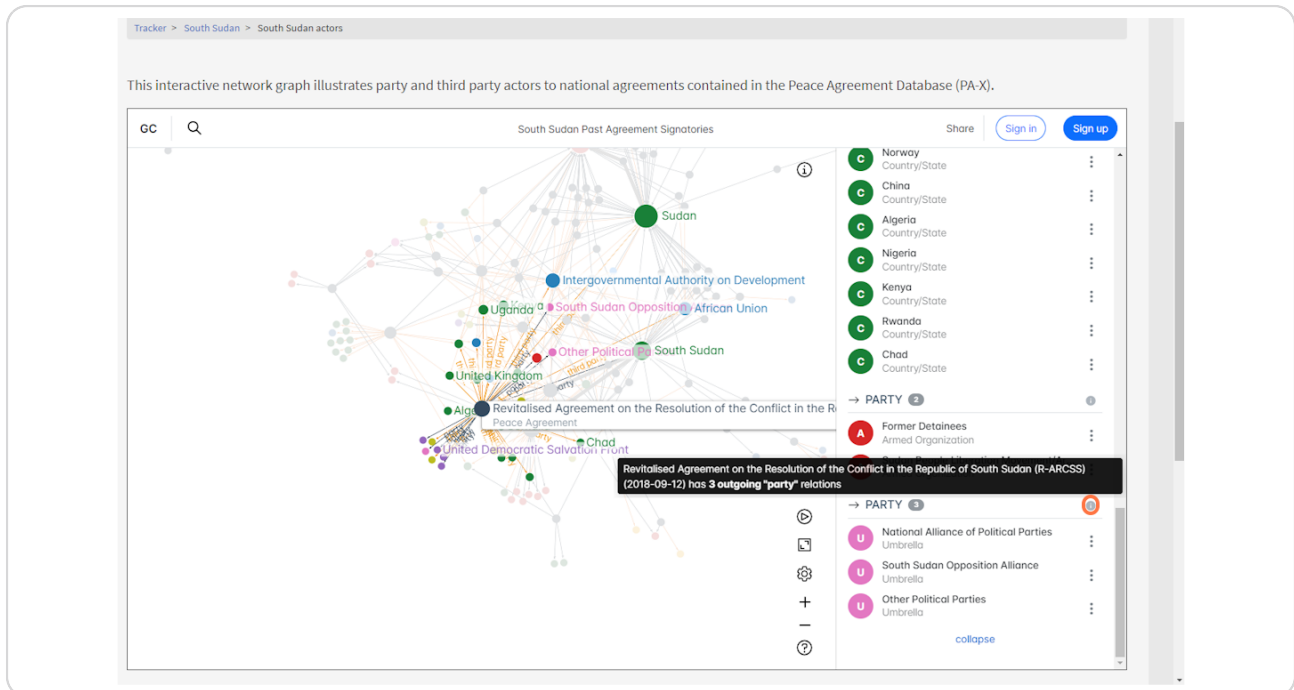
When the R-ARCSS agreement is selected, the signatories are highlighted, and the information panel shows details on the agreement, in addition to a link to the agreement in PA-X.



## STEP 15

You can scroll down the information panel for more information on the signatories of the agreement.

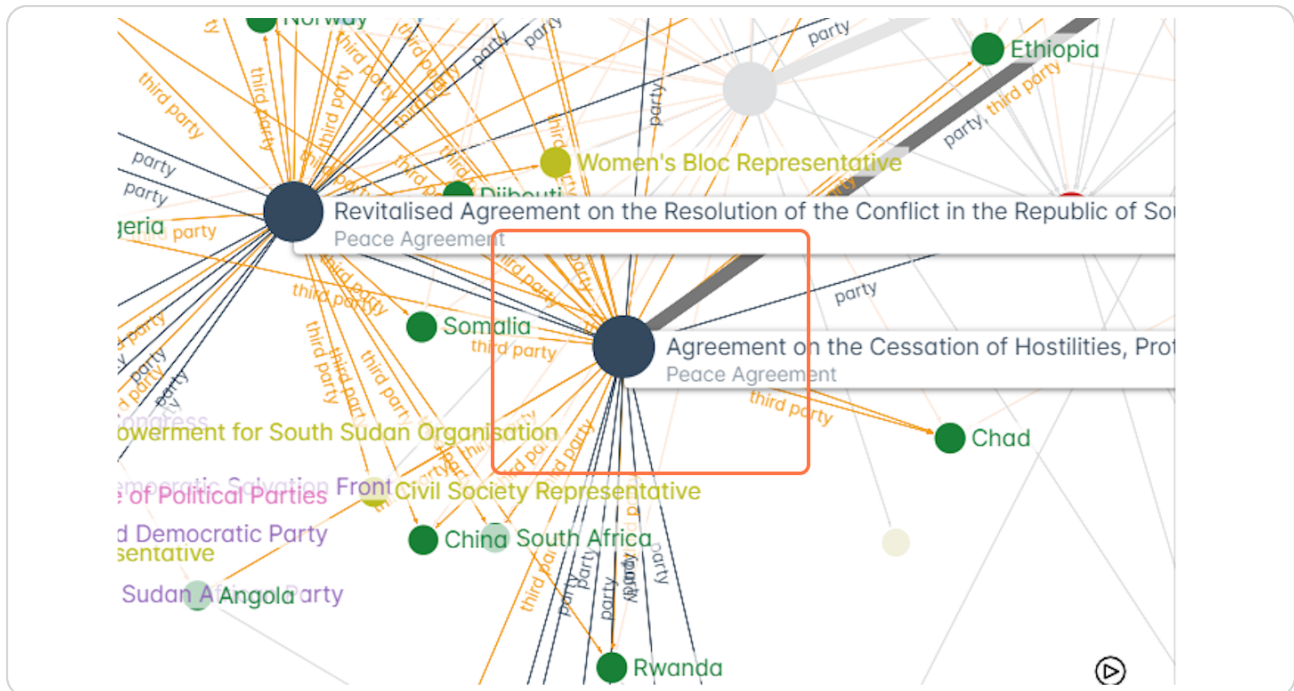
Hover the 'i' buttons to see more information on the signatory types to the selected agreement. Immediately we can see that 3 Umbrella Organizations signed the R-ARCSS, alongside 2 Armed Organizations.



## STEP 16

On the network, you may want to select more than one agreement at a time to clearly see the shared signatories, or the signatories that only signed one of them. To do this, hold the Ctrl key on the keyboard to make your second selection.

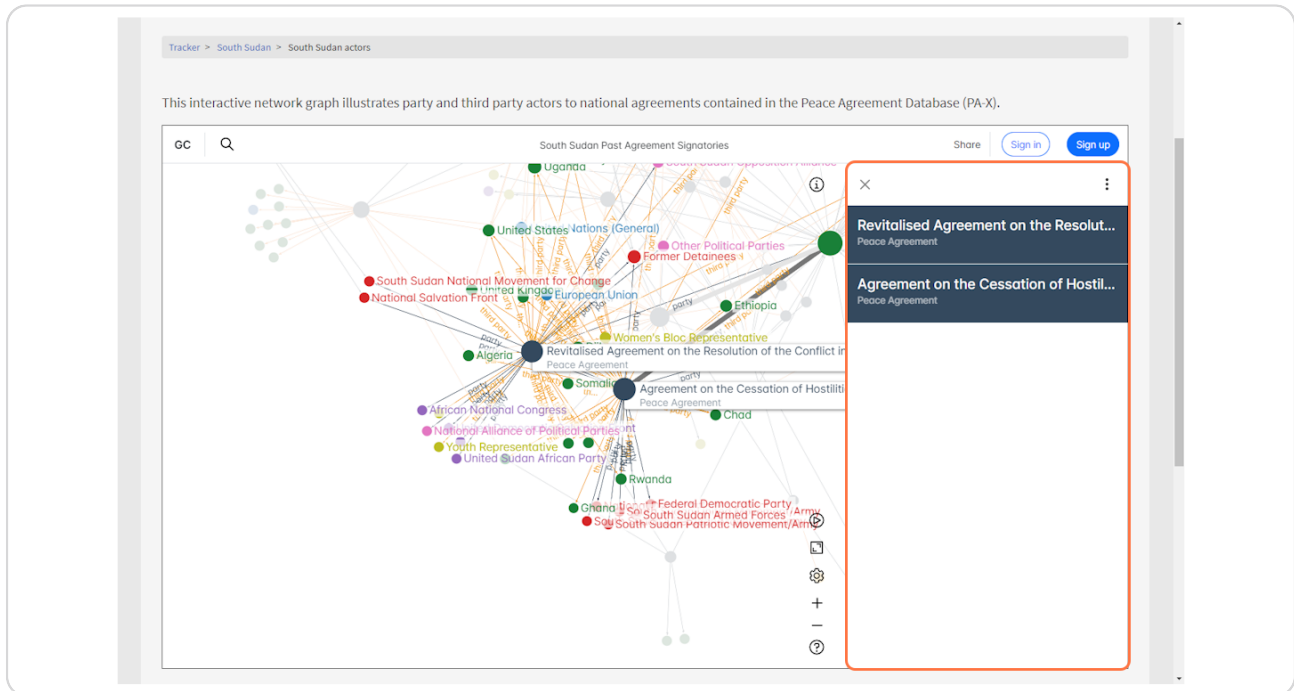
In this example, we already have the R-ARCSS agreement selected, and want to also select the ARCSS agreement that was the original agreement signed, by clicking the node whilst holding the Ctrl button.





## STEP 17

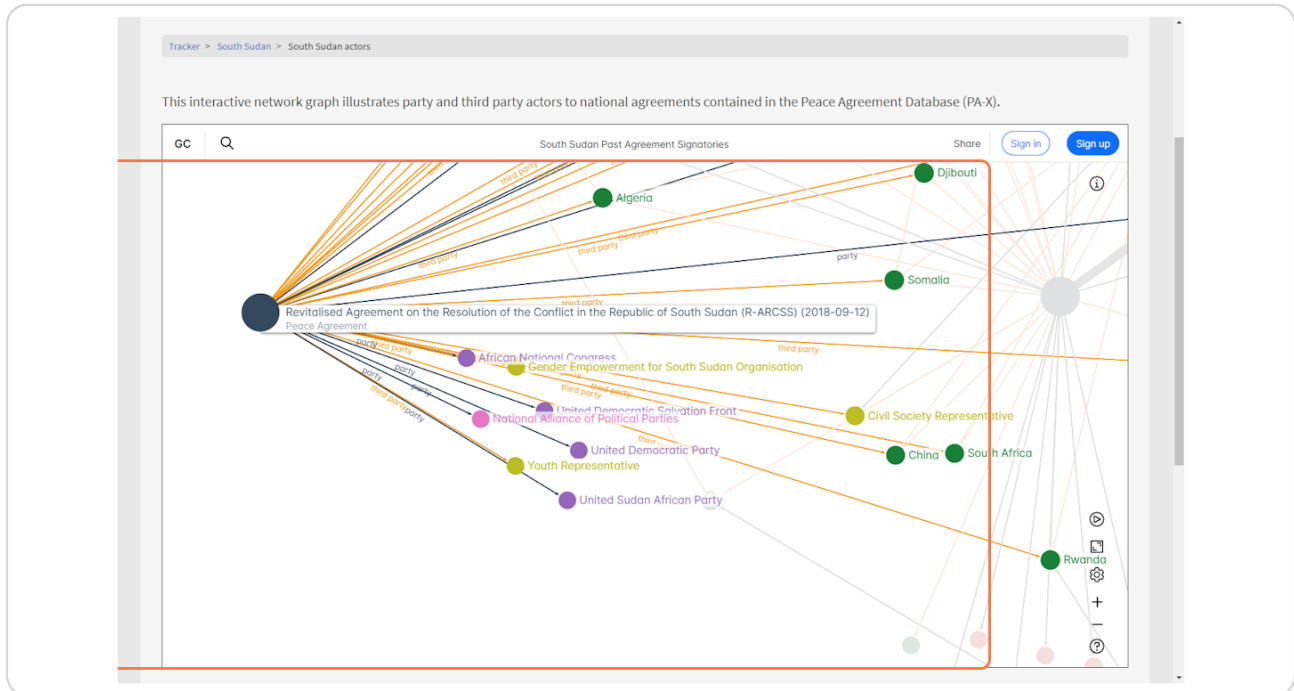
Both agreements are now selected, with those who signed the agreement highlighted on the network.



## STEP 18

The network can be messy when there are a lot of agreements or actors being displayed. Any node can be dragged to another area of the network to isolate it better visually.

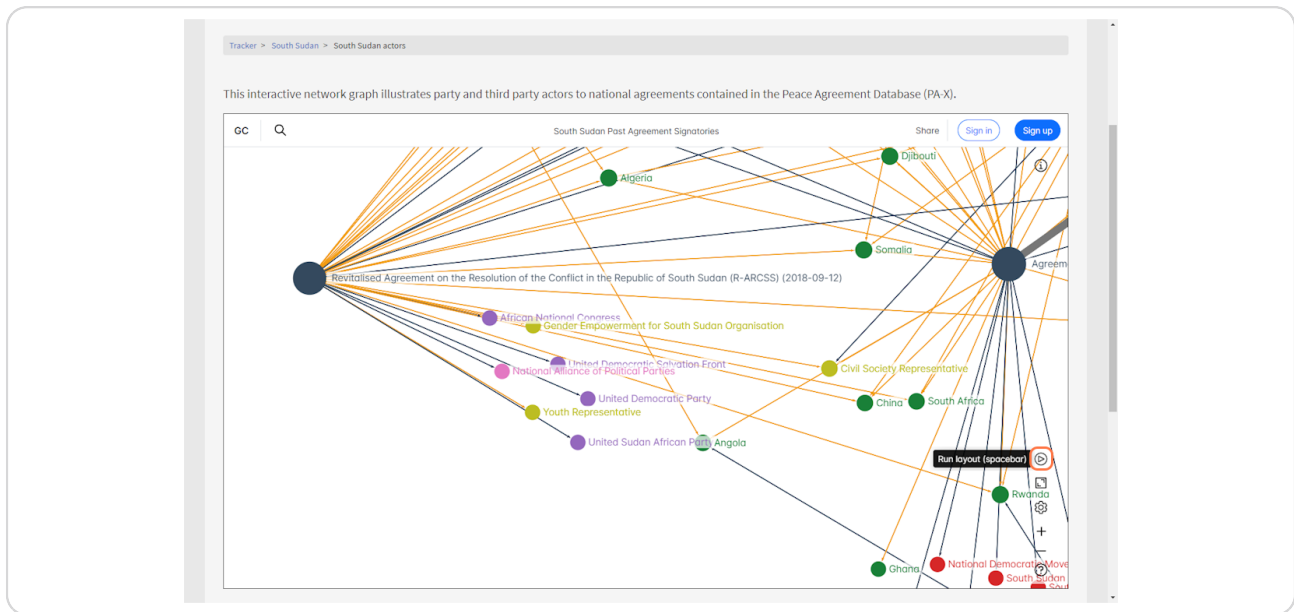
This helps in seeing if actors signed specific agreements or seeing an actor/agreement clearly.



## STEP 19

To run layout changes, click the play button or hit the spacebar on keyboard.

In cases where the nodes can change layout, they will move and re-shape the network on 'Run'. Click the same button again to Pause the layout changes.



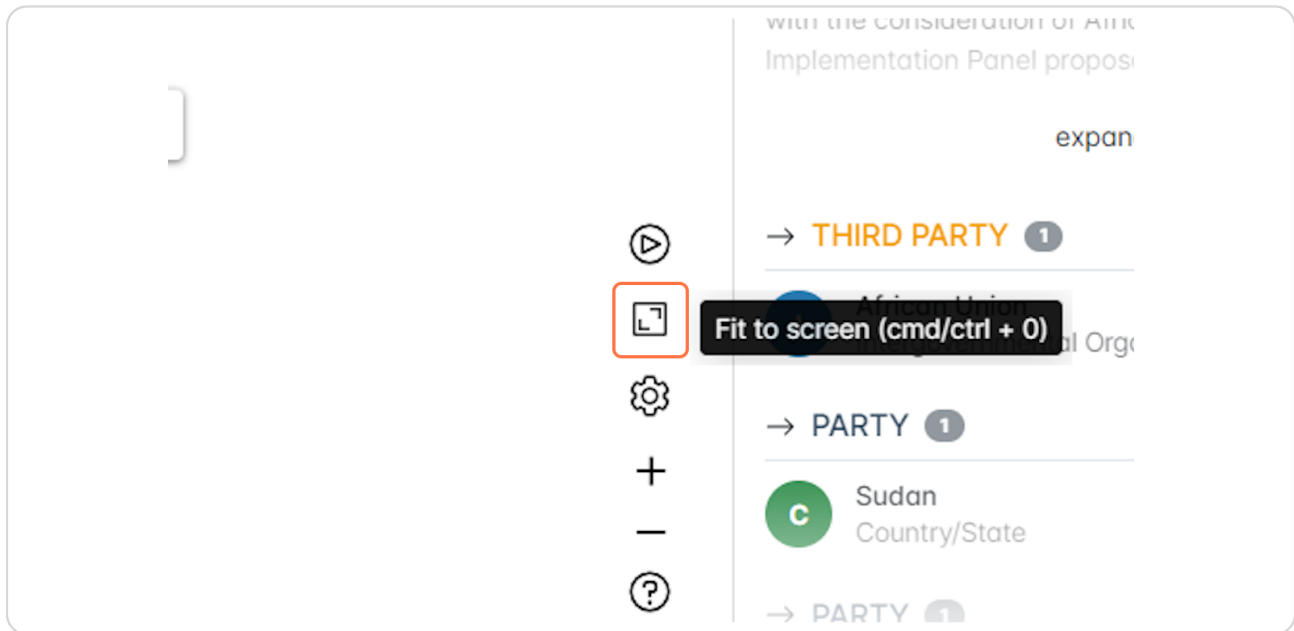
## STEP 20

To zoom in or out to the network, use the + or - buttons, the relevant keyboard shortcuts (ctrl and +) or scroll on your mouse wheel.



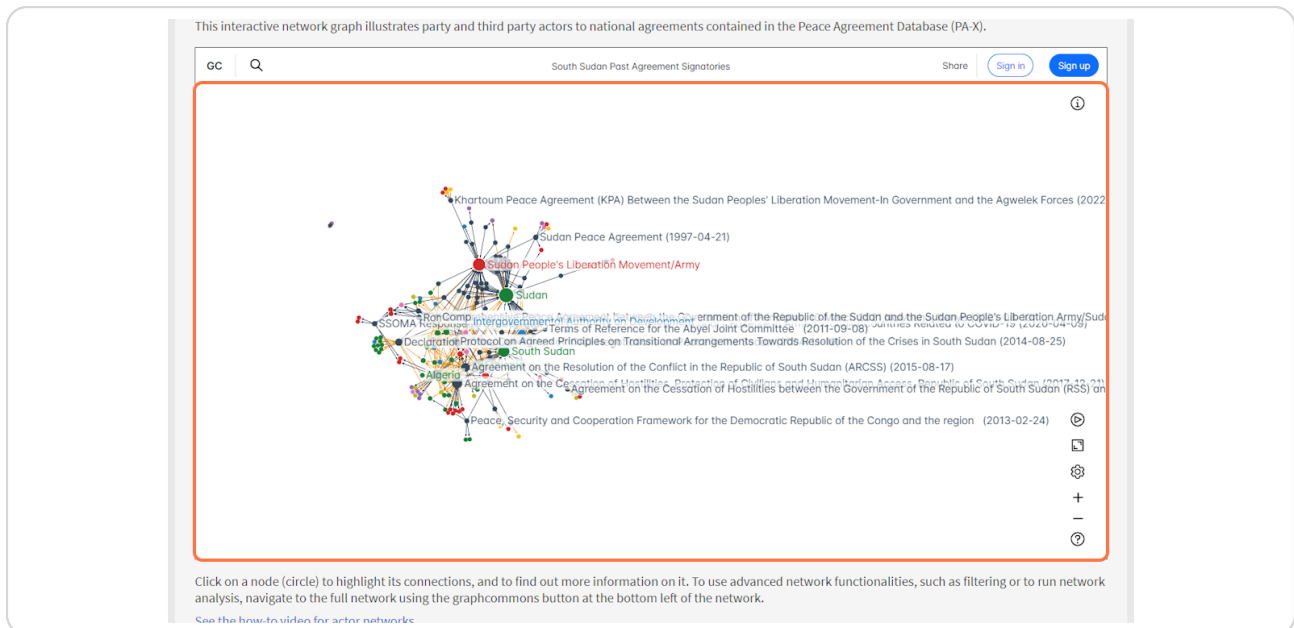
## STEP 21

If zoomed in and want to see all the network at once, use the 'Fit to screen' button or the keyboard shortcut ctrl and 0 keys.



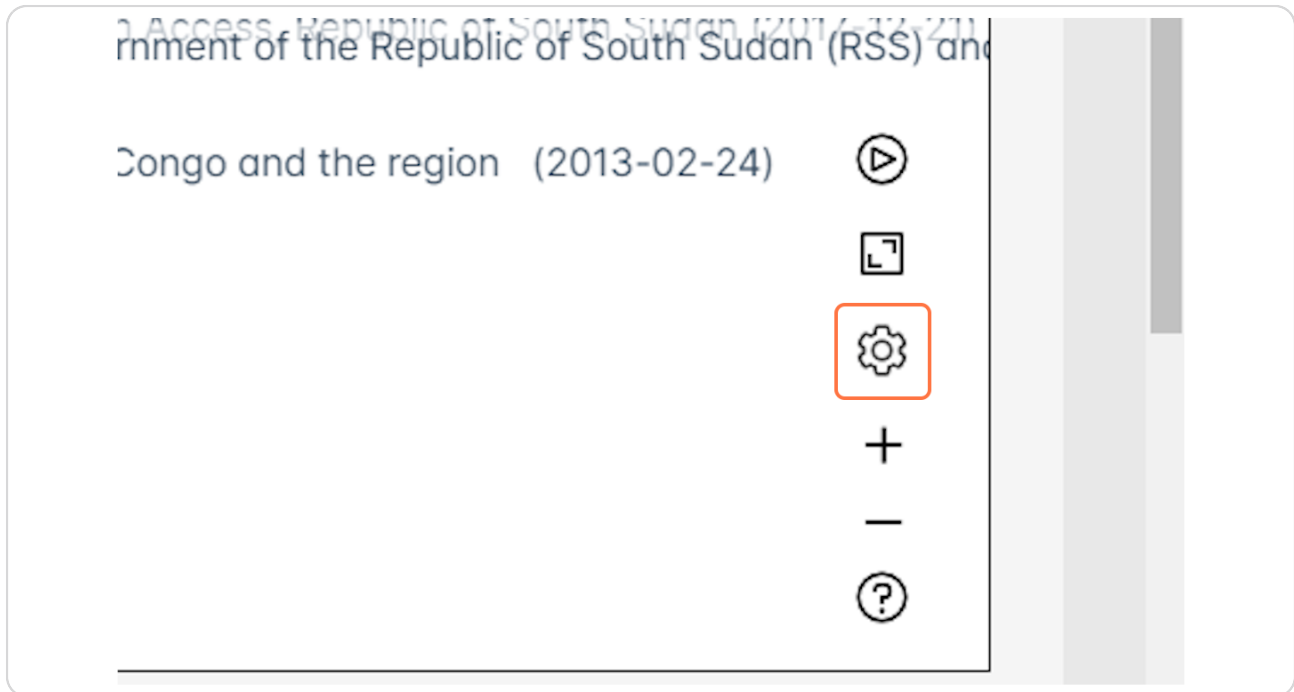
## STEP 22

The fit to screen function will show all nodes in the network and their connections in one screen.



## STEP 23

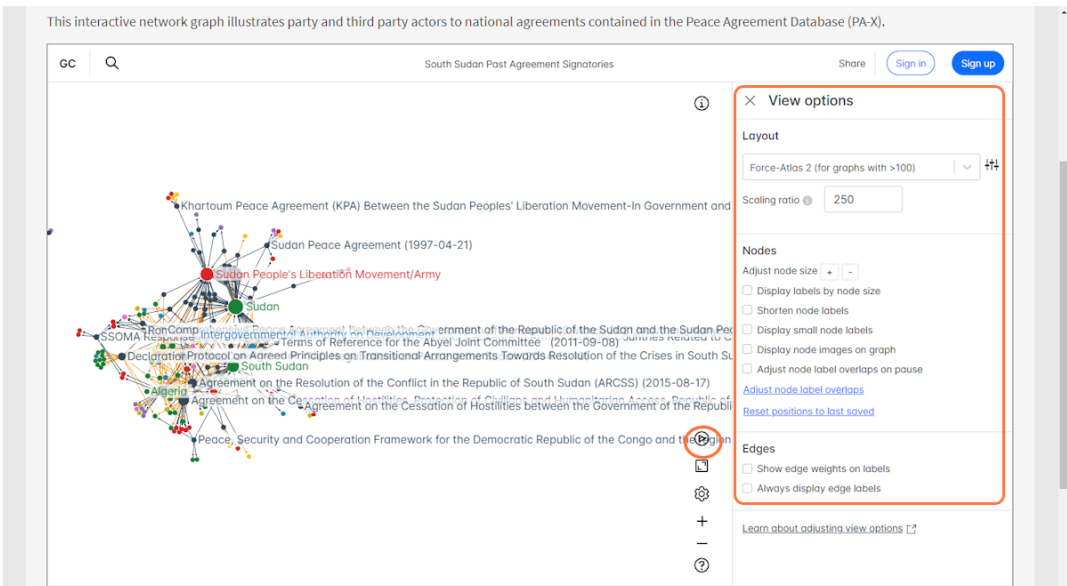
If the view of the network is too messy, or you would like to change how things are displayed, any user can open the 'view' settings using the highlighted button.



## STEP 24

The view options panel will pop up. Here users can customise the size of the nodes, how node labels are displayed, the scaling or the network layout structure.

To show the changes on the network, hit the 'run' button (the play icon, highlighted).



This interactive network graph illustrates party and third party actors to national agreements contained in the Peace Agreement Database (PA-X).

South Sudan Past Agreement Signatories

GC Q Share Sign in Sign up

View options

Layout

Force-Atlas 2 (for graphs with >100)

Scaling ratio @ 250

Nodes

Adjust node size

Display labels by node size

Shorten node labels

Display small node labels

Display node images on graph

Adjust node label overlaps on pause

[Adjust node label overlaps](#)

[Reset positions to last saved](#)

Edges

Show edge weights on labels

Always display edge labels

[Learn about adjusting view options](#)

Click on a node (circle) to highlight its connections, and to find out more information on it. To use advanced network functionalities, such as filtering or to run network analysis, navigate to the full network using the graphcommons button at the bottom left of the network.

See the how-to video for actor networks.

## STEP 25

For example, check display labels by node size and shorten node labels to reduce the amount of text displayed on the network.

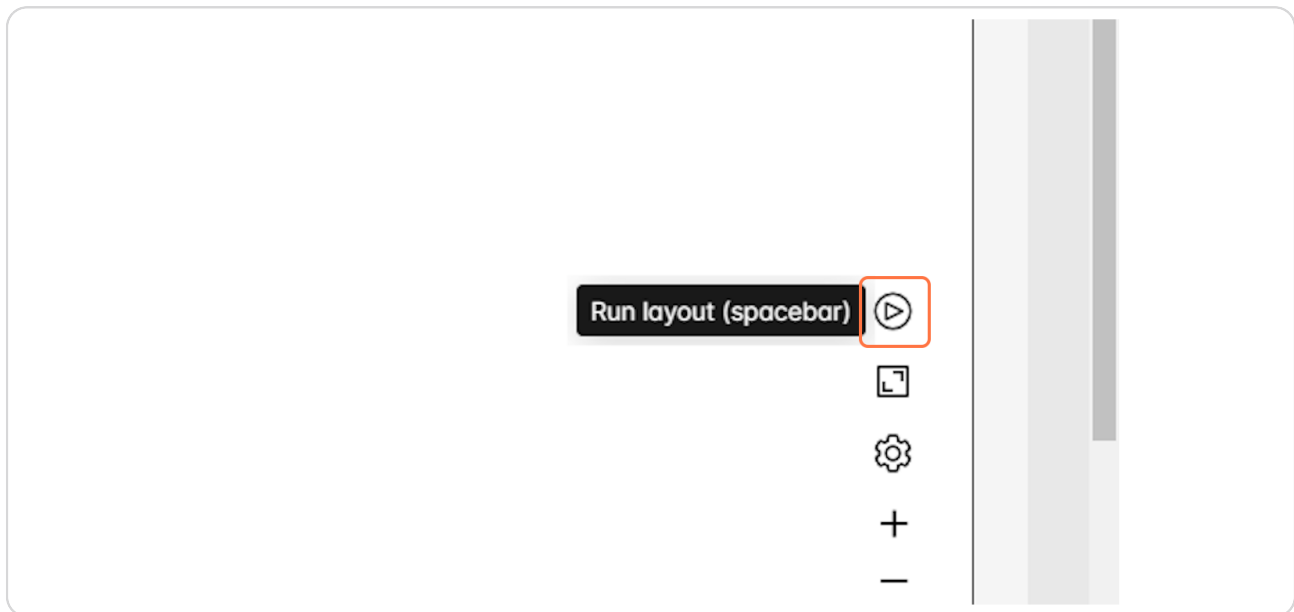
Changes to the nodes display can be seen immediately on the network area, as the amount of text shown is greatly reduced making it much easier to view.



The screenshot shows a network visualization interface. On the left, a complex network graph is displayed with nodes of various colors and sizes connected by edges. The nodes are labeled with names like 'Sudan Peop...', 'Sudan', and 'South Suda...'. On the right, a 'View options' panel is open, showing settings for layout and nodes. The 'Nodes' section has a red box around the 'Adjust node size' dropdown, 'Display labels by node size' (checked), and 'Shorten node labels' (checked) options. Below the graph, there is a small text box with instructions: 'on a node (circle) to highlight its connections, and to find out more information on it. To use advanced network functionalities, such as filtering or to run network zsis, navigate to the full network using the graphcommons button at the bottom left of the network.'

## STEP 26

Click on Run layout (spacebar) to show changes to the settings.



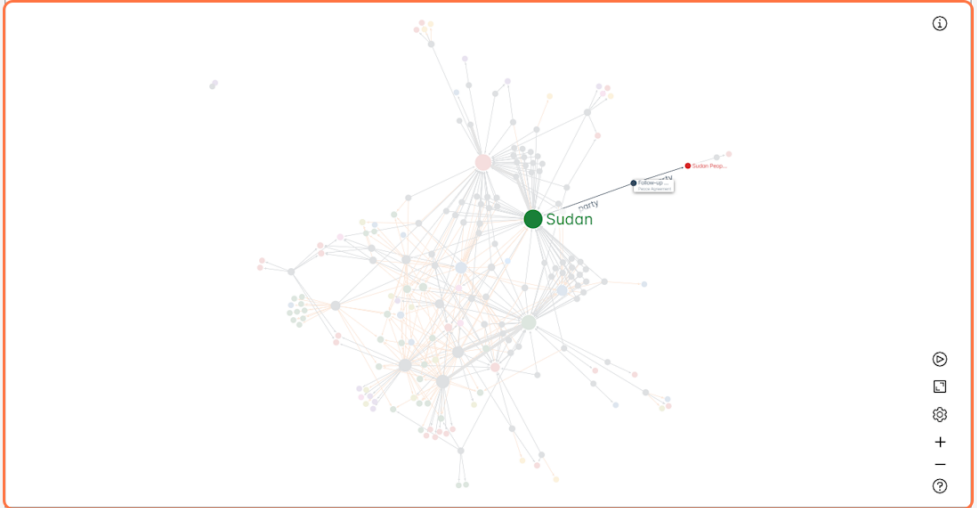
The screenshot shows a control panel with a vertical stack of icons. The top icon is a play button, which is highlighted with a red box and a black tooltip that says 'Run layout (spacebar)'. Below it are icons for a square, a gear, a plus sign, and a minus sign. To the right of the icons is a vertical slider bar.

## STEP 27

Select an agreement of interest to view the information panel and highlight the signatories.

This interactive network graph illustrates party and third party actors to national agreements contained in the Peace Agreement Database (PA-X).

GC Q South Sudan Past Agreement Signatories Share Sign in Sign up



Click on a node (circle) to highlight its connections, and to find out more information on it. To use advanced network functionalities, such as filtering or to run network analysis, navigate to the full network using the graphcommons button at the bottom left of the network.

[See the how-to video for actor networks.](#)



## STEP 28

**On the information panel, you can click the three dots at the top corner. This shows two options: copy link and view node page.**

"Copy link" will allow you to share your current selection/view with another user to view. If you wanted to highlight/select specific things on a network to a colleague, you can share this link with them directly. The second option, 'view node page' provides more detail on the node itself. See the next step for how this node page looks.

The screenshot displays a web application interface for a network graph. The main area shows a complex network of nodes and edges, with a central node labeled "Sudan" highlighted in green. A right-hand sidebar provides detailed information for the selected node, titled "Follow-up to the Kadugli Peace Agreement". The sidebar includes a search bar, a "Share" button, and "Sign in" and "Sign up" buttons. The information panel contains a description of the agreement, a reference link, and a list of parties. A "Copy link" button is visible at the top of the sidebar, and a three-dot menu icon is located in the top right corner of the sidebar. Below the network graph, there is a footer text: "Click on a node (circle) to highlight its connections, and to find out more information on it. To use advanced network functionalities, such as filtering or to run network analysis, navigate to the full network using the graphcommons button at the bottom left of the network. See the how-to video for actor networks."

This interactive network graph illustrates party and third party actors to national agreements contained in the Peace Agreement Database (PA-X).

South Sudan Past Agreement Signatories

Share Sign in Sign up

Follow-up to the Kadugli Peace Agreement

Short agreement agreeing to implement the Kadugli agreements, deploying Joint Integration Units for the protection of Abyei, not including officers involved in the fighting of 2008. The UN is requested to ensure implementation of the agreements and will be granted unhindered access.

Reference  
[www.peaceagreements.org/view/1668](http://www.peaceagreements.org/view/1668)

Parties  
Salah Gosh, Sudan Presidential Advisor Nihal Deng, ...

expand

→ PARTY 1

Sudan Country/State

→ PARTY 1

Sudan People's Liberation Army Armed Organization

Click on a node (circle) to highlight its connections, and to find out more information on it. To use advanced network functionalities, such as filtering or to run network analysis, navigate to the full network using the graphcommons button at the bottom left of the network.  
[See the how-to video for actor networks.](#)

## STEP 29

The node page shows all the relevant information on the node at once. In this case, it is a peace agreement, so the overview provides information on the agreement.

Use the reference link to navigate to the agreement in PA-X.

This interactive network graph illustrates party and third party actors to national agreements contained in the Peace Agreement Database (PA-X).

Graph Commons Resources Pricing Sign in Sign up

### Follow-up to the Kadu...

Peace Agreement Updated Feb 16, 2024

**Overview** Relationships More

Short agreement agreeing to implement the Kadguli agreements, deploying Joint Integration Units for the protection of Abyei, not including officers involved in the fighting of 2008. The UN is requested to ensure implementation of the agreements and will be granted unhindered access.

Reference  
[www.peaceagreements.org/view/1668](http://www.peaceagreements.org/view/1668)

Parties  
Salah Gosh, Sudan Presidential Advisor Nhiol Deng, Minister for SPLA

Type of Agreement  
Interstate/mixed

Peace Process  
North - South Sudan secession process

Date  
2011-03-04

Year  
2011

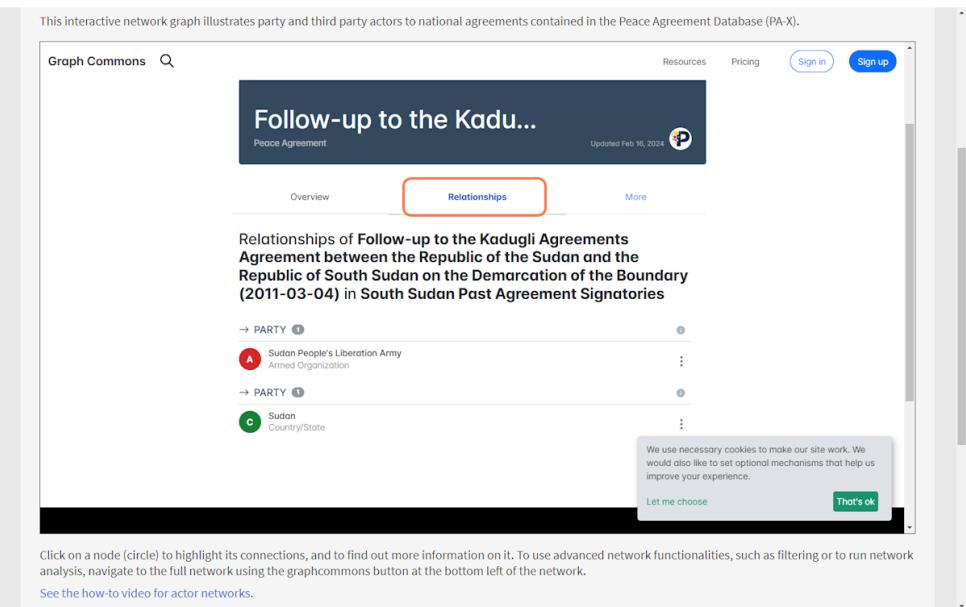
Country  
South Sudan/Sudan

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Click on a node (circle) to highlight its connections, and to find out more information on it. To use advanced network functionalities, such as filtering or to run network analysis, navigate to the full network using the graphcommons button at the bottom left of the network.  
See the how-to video for actor networks.

## STEP 30

View all the signatories to the agreement by viewing the 'Relationships' to the agreement node.



This interactive network graph illustrates party and third party actors to national agreements contained in the Peace Agreement Database (PA-X).

Graph Commons Resources Pricing Sign in Sign up

### Follow-up to the Kadu...

Peace Agreement Updated Feb 16, 2024

Overview **Relationships** More

#### Relationships of Follow-up to the Kadugli Agreements Agreement between the Republic of the Sudan and the Republic of South Sudan on the Demarcation of the Boundary (2011-03-04) in South Sudan Past Agreement Signatories

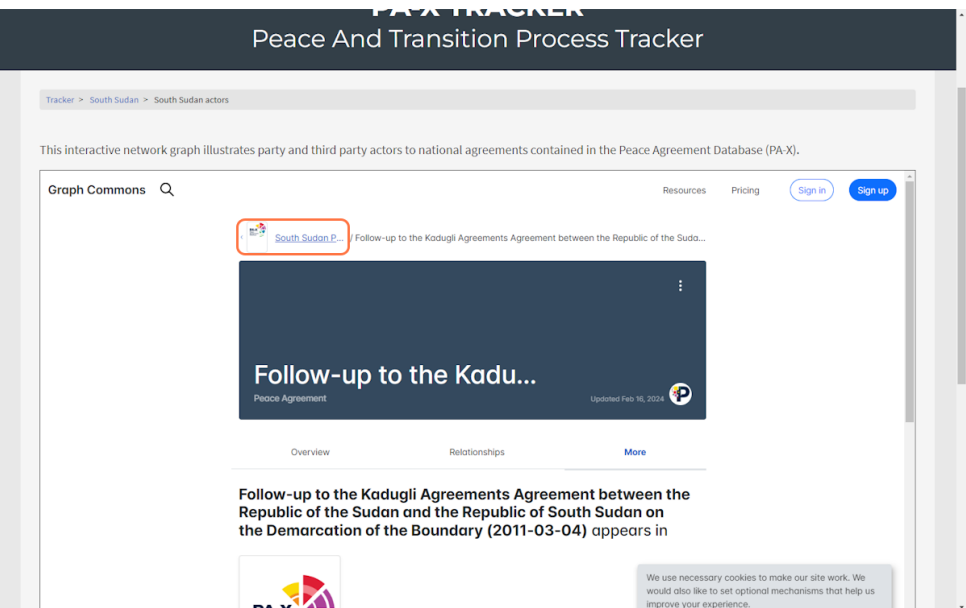
- PARTY +
  - A** Sudan People's Liberation Army  
Armed Organization
- PARTY +
  - C** Sudan  
Country/State

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[Let me choose](#) [That's ok](#)

Click on a node (circle) to highlight its connections, and to find out more information on it. To use advanced network functionalities, such as filtering or to run network analysis, navigate to the full network using the graphcommons button at the bottom left of the network.  
See the how-to video for actor networks.

## STEP 31

Navigate back to the network using the navigation breadcrumb above the node header.



PAX TRACKER  
Peace And Transition Process Tracker

Tracker > South Sudan > South Sudan actors

This interactive network graph illustrates party and third party actors to national agreements contained in the Peace Agreement Database (PA-X).

Graph Commons Resources Pricing Sign in Sign up

**South Sudan P...** / Follow-up to the Kadugli Agreements Agreement between the Republic of the Suda...

### Follow-up to the Kadu...

Peace Agreement Updated Feb 16, 2024

Overview **Relationships** More

#### Follow-up to the Kadugli Agreements Agreement between the Republic of the Sudan and the Republic of South Sudan on the Demarcation of the Boundary (2011-03-04) appears in

**PA-X**

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## STEP 32

Previously, we used the search function to find a specific agreement. We can do the same for a particular actor of interest.

The screenshot shows a web interface for 'Peace And Transition'. At the top, there is a dark header with the text 'Peace And Transition'. Below the header, a breadcrumb trail reads 'Tracker > South Sudan > South Sudan actors'. A descriptive text states: 'This interactive network graph illustrates party and third party actors to national agree'. Below this text is a search bar with 'GC' and a magnifying glass icon. To the right of the search bar, the text 'South Sudan Past Agreeeme' is visible. The main content area displays a network graph with several nodes and connecting lines. The nodes are labeled with the following text: 'Khartoum Peace Agreement (KPA', 'All Political Parties Confere', 'United Nations Children's Fu', 'Roadmap for Reti', and 'Su'. The graph shows a central node connected to several other nodes, with some nodes having multiple connections.

### STEP 33

Click on any actor to highlight them and their connections on the network graph.

In this example, we are selecting the SPLM/A - In Opposition.

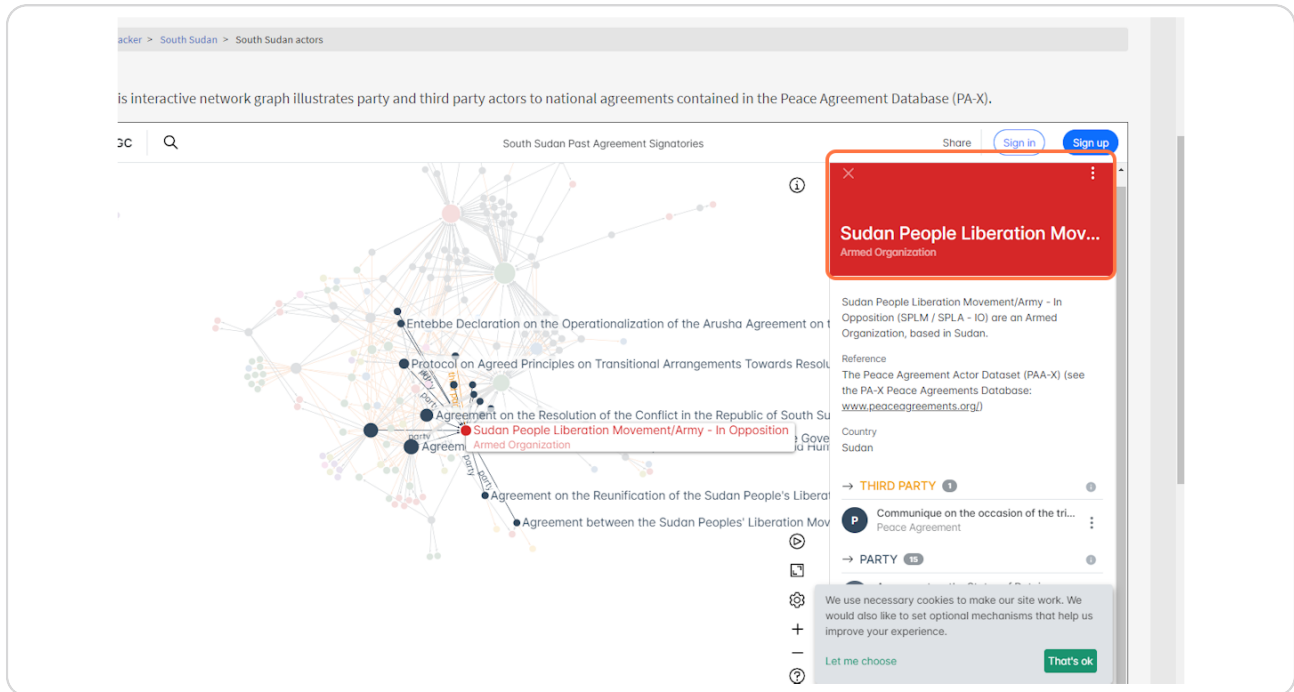
The screenshot displays the 'Peace And Transition Process Tracker' (PAX TRACKER) interface. The breadcrumb trail indicates the current view is 'Tracker > South Sudan > South Sudan actors'. A descriptive text states: 'This interactive network graph illustrates party and third party actors to national agreements contained in the Peace Agreement Database (PA-X)'. A list of actors is shown on the left, with the 'Sudan People Liberation Movement/Army - In Opposition' entry highlighted by a red border. Below the list is a network graph with various nodes and connecting lines. A cookie notice at the bottom right reads: 'We use necessary cookies to make our site work. We'.

Actor Name	Type	Select in graph
Sudan People's Liberation Army	Armed Organization	<input type="checkbox"/>
Sudan People's Liberation Movement (in Government)	Armed Organization	<input type="checkbox"/>
<b>Sudan People Liberation Movement/Army - In Opposition</b>	Armed Organization	<input type="checkbox"/>
Real Sudan People's Liberation Movement	Armed Organization	<input type="checkbox"/>
South Sudan People's Defence Forces	Armed Organization	<input type="checkbox"/>
Sudan People's Liberation Movement/Army	Armed Organization	<input type="checkbox"/>
Protocol between the Government of the Sudan and the Sudan People's Liberation Movement (SPLM) on Power Sharing (2004-05-26)		<input type="checkbox"/>

## STEP 34

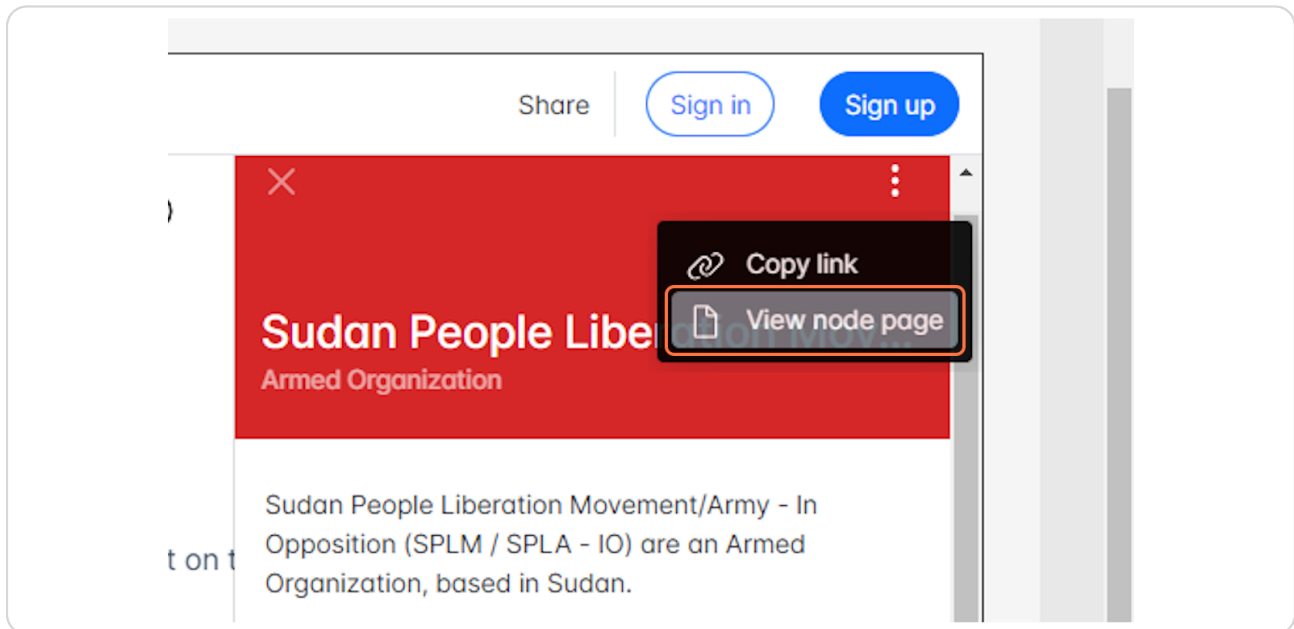
Once the actor has been selected, their information panel pops up, and their connections are highlighted.

From this, we can see that SPLM/A - IO signed 16 agreements in South Sudan (one as a third party).



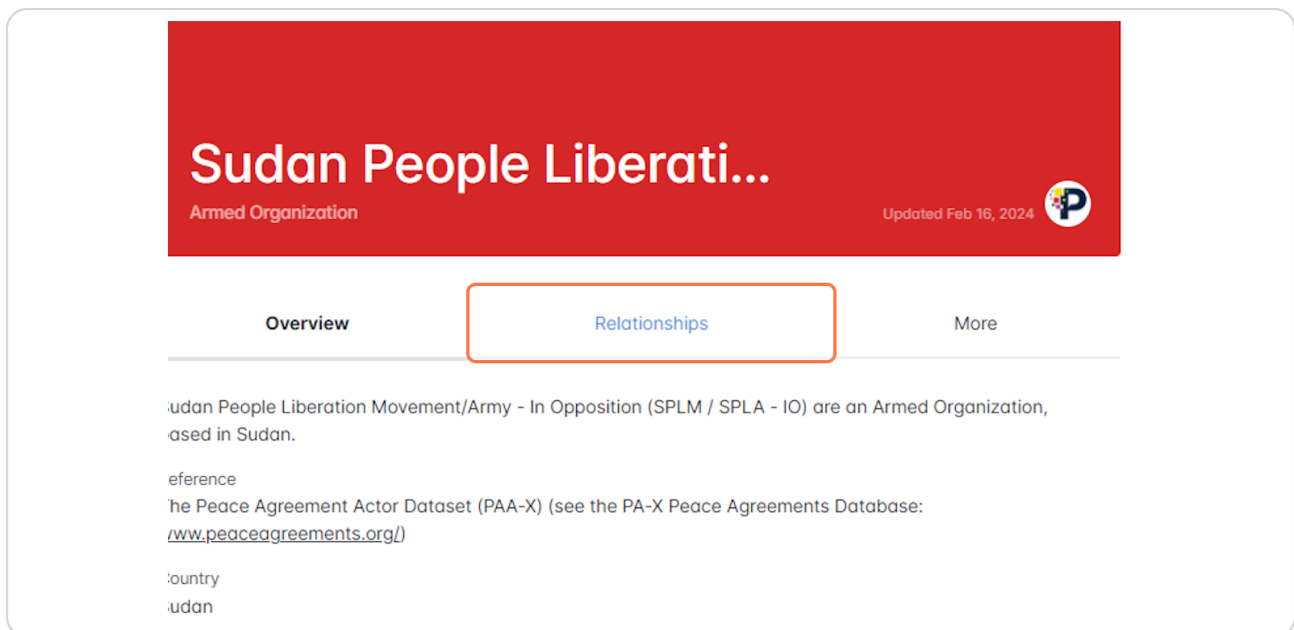
### STEP 35

The full page for SPLM/A - IO can be viewed via the same as an agreement, through 'View node page'.



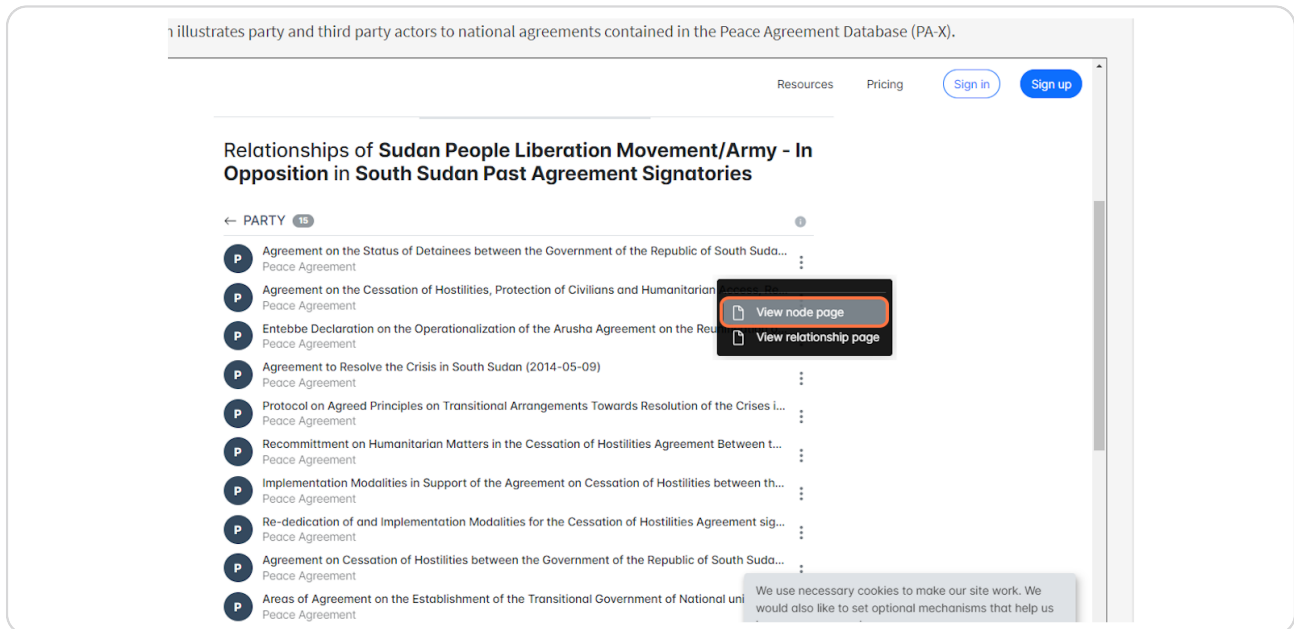
### STEP 36

Click on Relationships to get a list of all the agreements they were involved in.



## STEP 37

You can view the agreements all at once. Use the three dots beside an agreement to view the page for the specific agreement.



illustrates party and third party actors to national agreements contained in the Peace Agreement Database (PA-X).

Resources Pricing Sign in Sign up

### Relationships of Sudan People Liberation Movement/Army - In Opposition in South Sudan Past Agreement Signatories

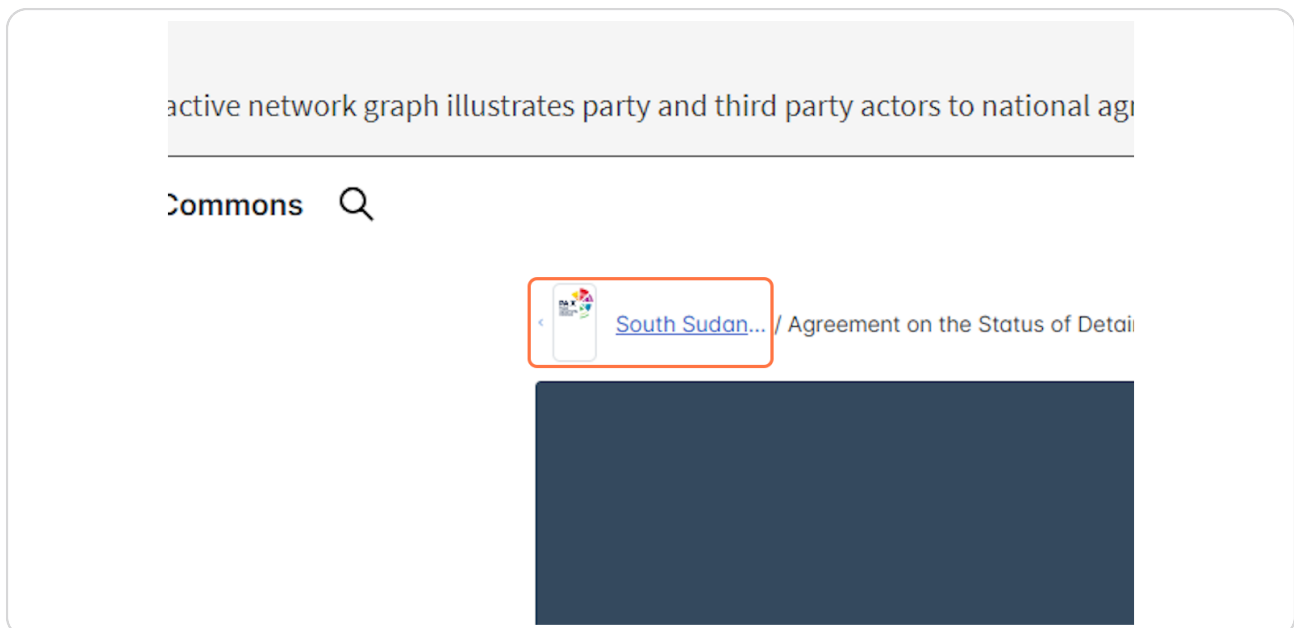
← PARTY 15

- P** Agreement on the Status of Detainees between the Government of the Republic of South Suda...  
Peace Agreement
- P** Agreement on the Cessation of Hostilities, Protection of Civilians and Humanitarian...  
Peace Agreement
- P** Entebbe Declaration on the Operationalization of the Arusha Agreement on the Re...  
Peace Agreement
- P** Agreement to Resolve the Crisis in South Sudan (2014-05-09)  
Peace Agreement
- P** Protocol on Agreed Principles on Transitional Arrangements Towards Resolution of the Crises i...  
Peace Agreement
- P** Recommitment on Humanitarian Matters in the Cessation of Hostilities Agreement Between t...  
Peace Agreement
- P** Implementation Modalities in Support of the Agreement on Cessation of Hostilities between th...  
Peace Agreement
- P** Re-dedication of and Implementation Modalities for the Cessation of Hostilities Agreement sig...  
Peace Agreement
- P** Agreement on Cessation of Hostilities between the Government of the Republic of South Suda...  
Peace Agreement
- P** Areas of Agreement on the Establishment of the Transitional Government of National uni...  
Peace Agreement

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## STEP 38

Return back from node page to the network using the blue navigation breadcrumb link above the node header.



active network graph illustrates party and third party actors to national ag

ommons 🔍

South Sudan... / Agreement on the Status of Detail





THE UNIVERSITY  
*of* EDINBURGH



**PeaceRep**  
Peace and Conflict  
Resolution Evidence  
Platform

# PA-X Tracker

## User Guide

Explore Conflict Impacts  
by Peace Agreement

<https://pax.peaceagreements.org/tracker/all/impacts>

---

**PA-X**  
Peace  
Agreements  
Database





STEP 1

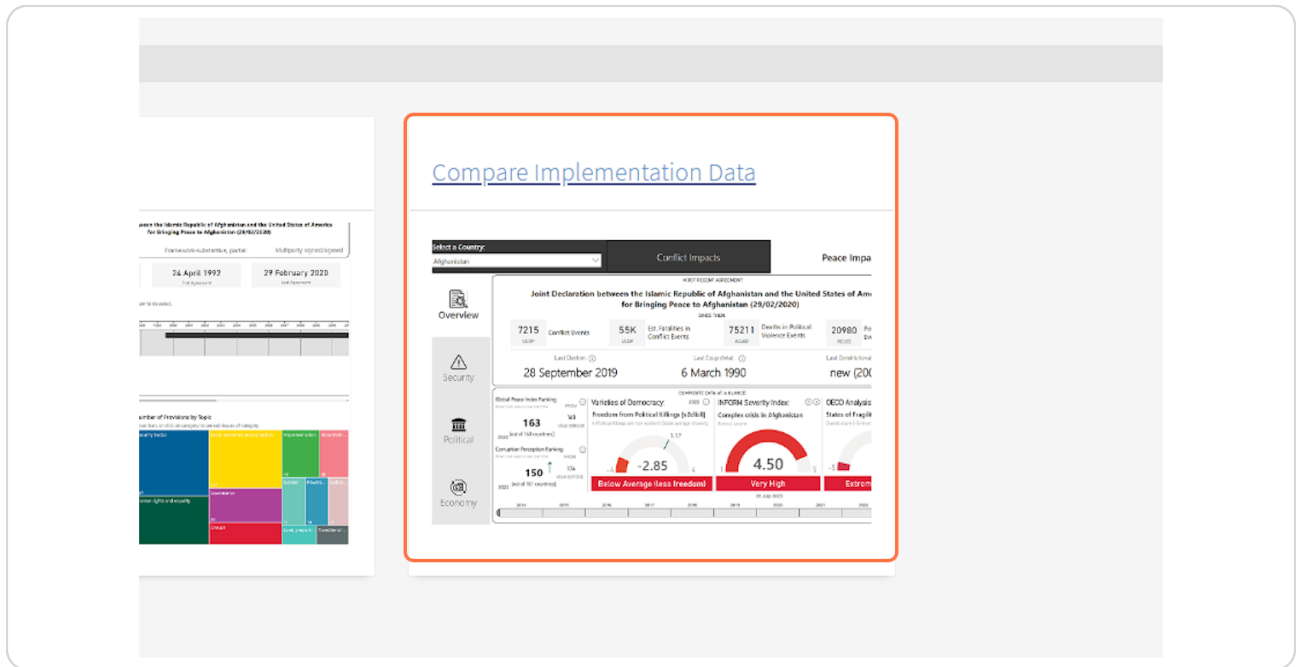
Click on All

Explore Peace and Transition Processes commitments and implementation data by country by clicking on maps, or view 'A

<p><a href="#">All</a></p> 	<p><a href="#">Afghanistan</a></p> 
<p><a href="#">Colombia</a></p>	<p><a href="#">Democratic Republic Of Congo</a></p>

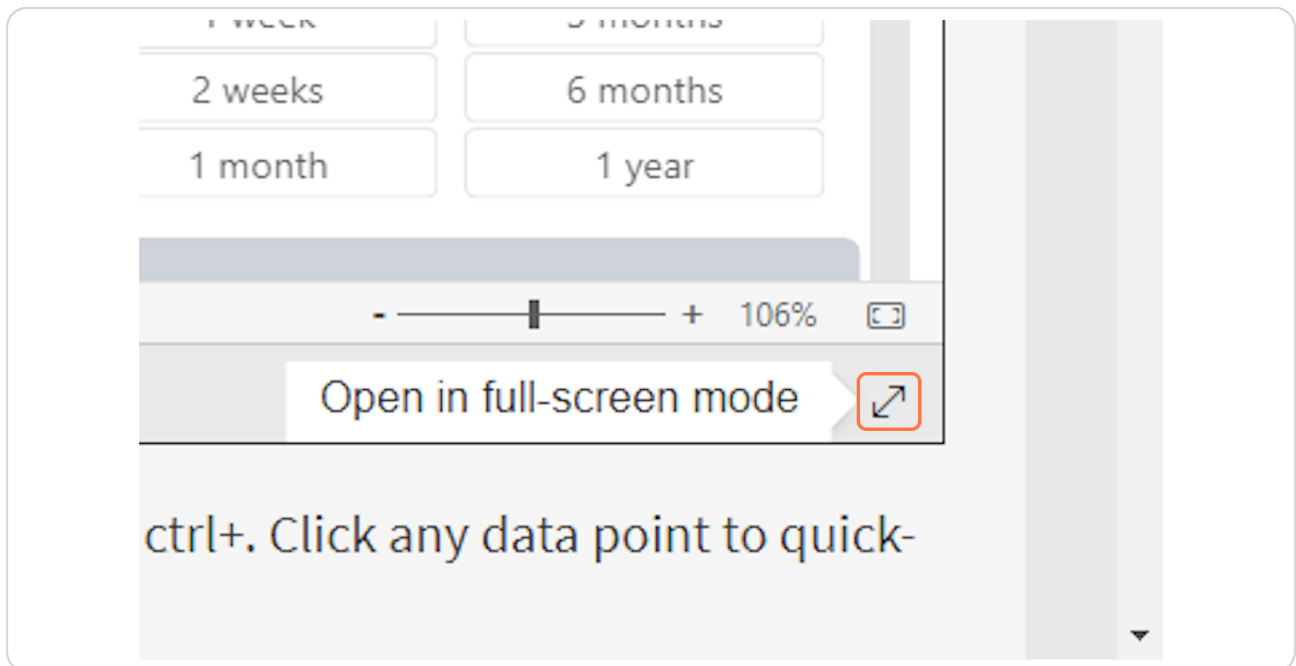
## STEP 2

### Click on Compare Implementation Data



## STEP 3

### Click on Open in full-screen mode



## STEP 4

Select a country from the drop down to view relevant agreements.

NOTE: you can select one country at a time. If you wish to view an interstate agreement, it will appear in either countries list of agreements.

The screenshot shows a web interface titled "Conflict Impacts". On the left, a "Select a Country:" dropdown menu is open, displaying a list of countries: Afghanistan, Croatia, Democratic Republic of Congo (highlighted with an orange border), Djibouti, Ecuador, El Salvador, and Eritrea. To the right of the dropdown, there are buttons for "Agreements" and "Pe.", and an "OR" label. Below the dropdown, there is a section titled "I. Select an agreement to view surrounding conflict data" with a button labeled "All". Further down, there is a "View on PA-X" button with a globe icon and a "SELECTED AGREEMENT:" label. Below this, there is a large grey area with the text "Select an agreement from drop down above" and "(Blank)". At the bottom, there is a section titled "2. Select an event data source (UCDP or ACLED), and the number of days before and after the agreement" with a text input field.

## STEP 5

Select an agreement from the drop down to view.

Agreements are listed in order from latest to oldest.

The screenshot displays a Microsoft Power BI dashboard titled "Conflict Impacts" and "Peace Impacts" for the "Democratic Republic of Congo". The dashboard is divided into two main sections: "Agreements" and "Peace Process".

**1. Select an agreement to view surrounding conflict data**

The dashboard includes a search bar and a list of agreements to select from:

- Press Release on Meeting between H.E. Uhuru Muigai Kenyatta, Former President of the Republic of Kenya and Facilitator of the EAC led DRC Peace...
- Communique – The Third Inter – Congolese Dialogue under the EAC – Led Nairobi Process (2022-12-06)
- Mini Summit on Peace and Security in the Eastern Region of the Democratic Republic of Congo – Final Communique (2022-11-23)
- Final Communique – Tripartite Meeting of Ministers of External Relations Foreign Affairs of the Republic of Angola, the Democratic Republic of Co...
- ICGLR Roadmap on the Pacification in the Eastern Region of DRC (Luanda Roadmap) (2022-07-06)

**2. Select an event data source (UCDP or ACLED), and the number of days before and after the agreement to view data.**

The dashboard features a filter for "UCDP" and "ACLED" data sources, and a "Days" filter set to "100". A "Quick Select" menu offers options for "1 week", "2 weeks", "1 month", "3 months", "6 months", and "1 year".

The dashboard displays two summary cards for "100 days before" and "100 days after" the agreement:

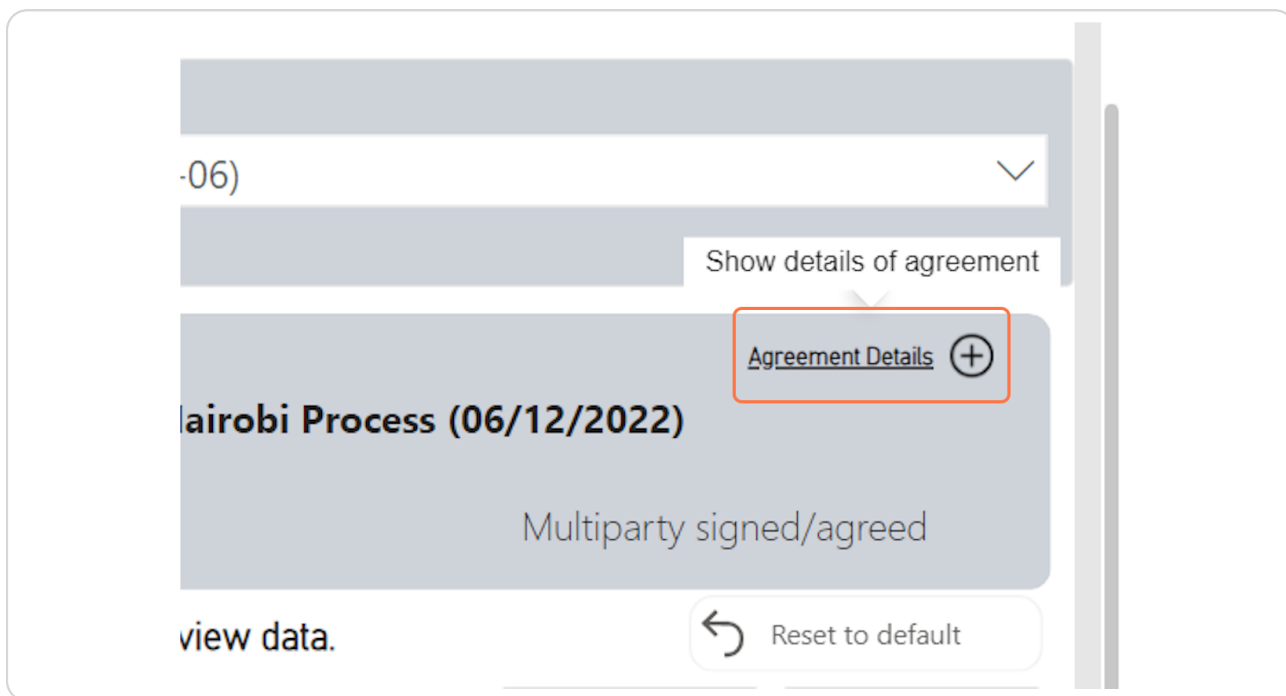
- 100 days before:** 6498 Events, 126K Fatalities. Legend: One-sided violence, State-based conflict, Non-state conflict.
- 100 days after:** 0 Events (-100% from 100 days before), 0 Fatalities (-100% from 100 days before). Legend: Non-state conflict, One-sided violence, State-based conflict.

The dashboard also includes a "Toggle the type of chart displayed below using the icons at the left" section and a "Go back" button. The Microsoft Power BI interface shows the dashboard is on page 2 of 7.

## STEP 6

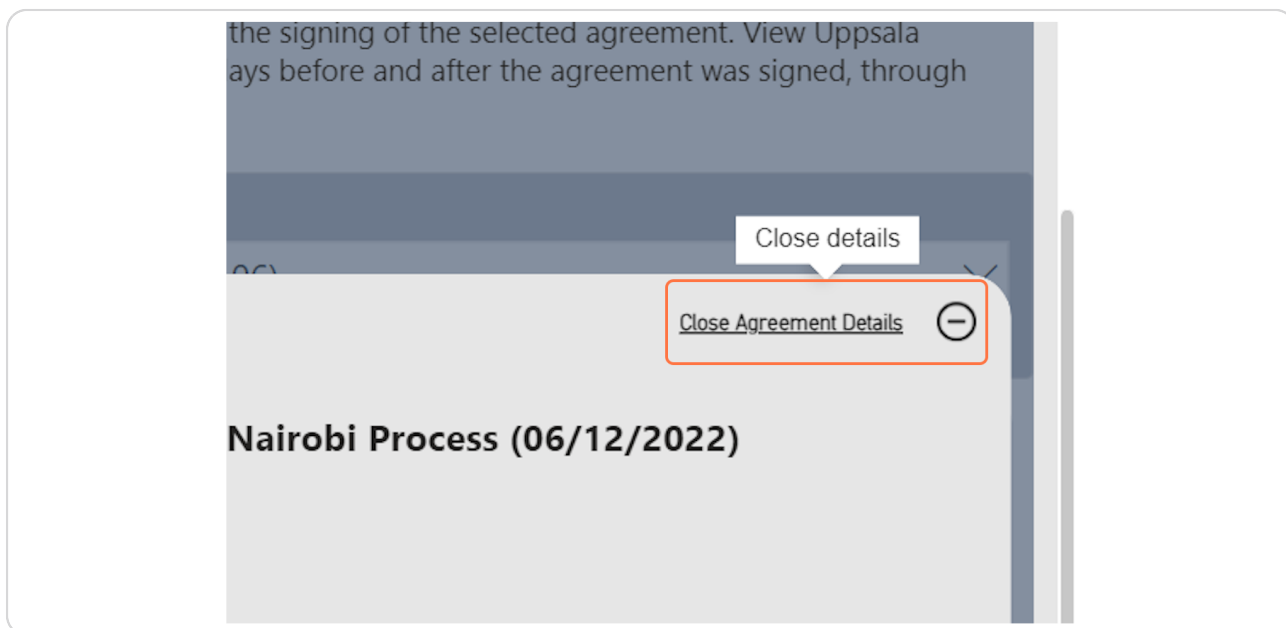
### To find out more on the agreement, click "Agreement Details"

This will open a pop-up window with details on the agreement, including a description, type, stage, process, status and the party and third party signatories. Here there are also buttons to view the agreement on PA-X Database, the agreement full-text PDF, or a PDF export of PA-X coding on the agreement.



## STEP 7

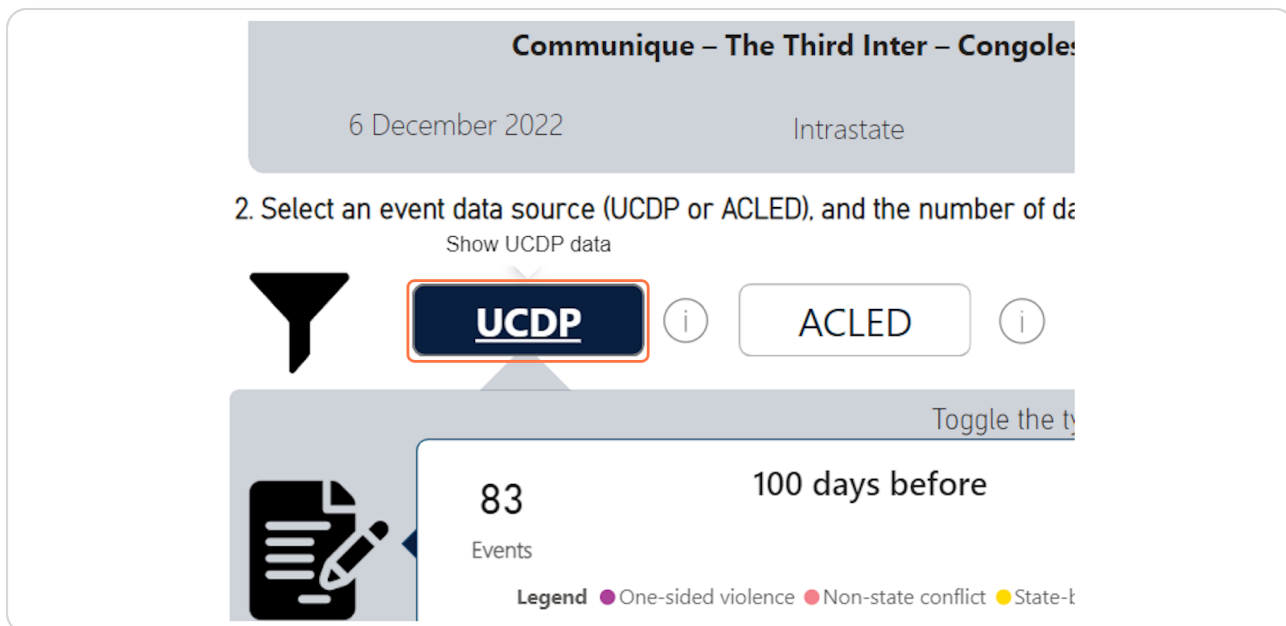
Close the pop-up window to return to the dashboard.



## STEP 8

Select the conflict event data source to view.

Hover over the 'i' information buttons for more detail on the data source, including a citation. Click on the button to navigate to the relevant websites and databases.

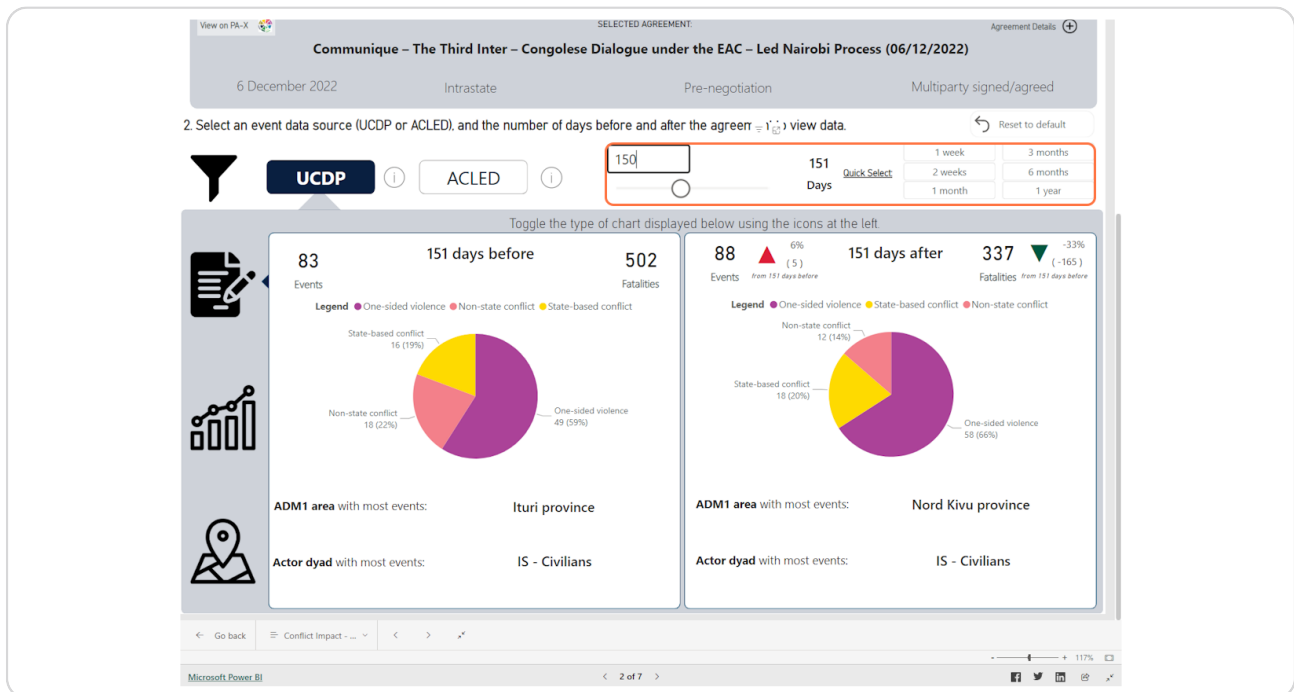


## STEP 9

Select the number of days to view conflict events before and after the date the agreement was signed.

This data can be viewed from 1 day to 365 days before and after the agreement has been signed. Input the number of days using key board, use the slider, or the quick select buttons to select the number of days.

The default is 100 days before and after. Use the 'reset to default' to return to 100 days.

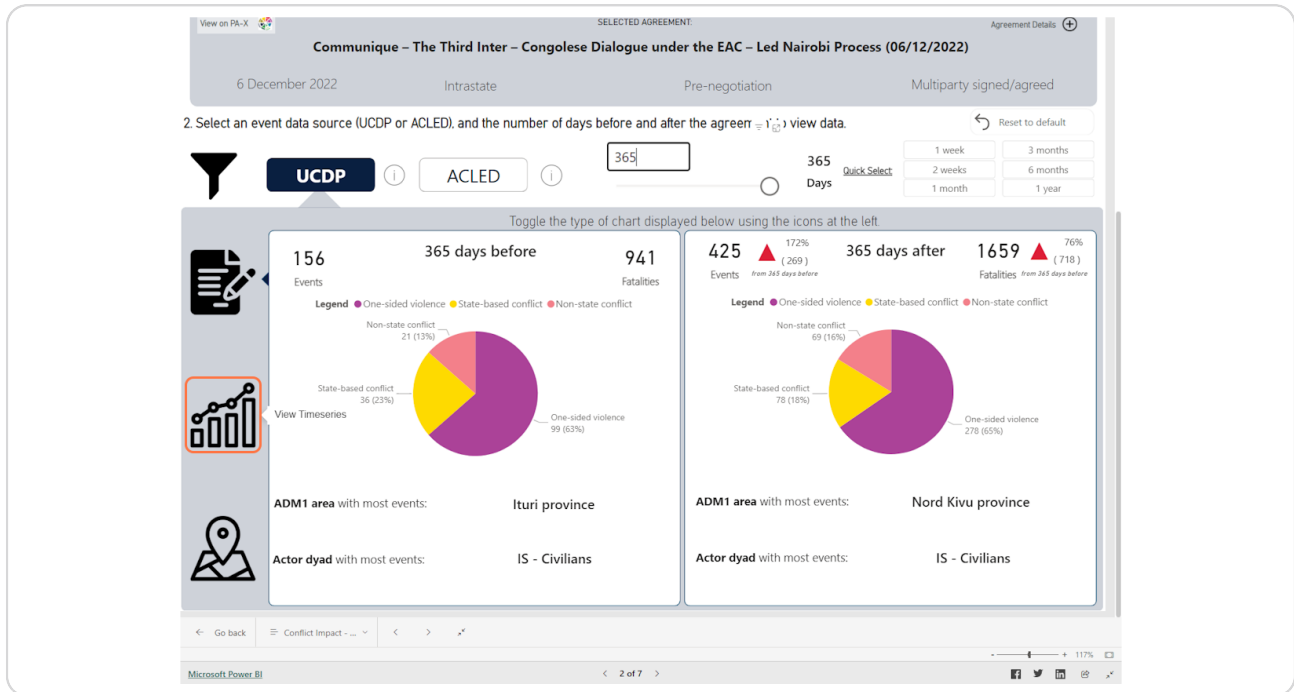




## STEP 10

Toggle the chart view that is displaying the data using the icons at the left side.

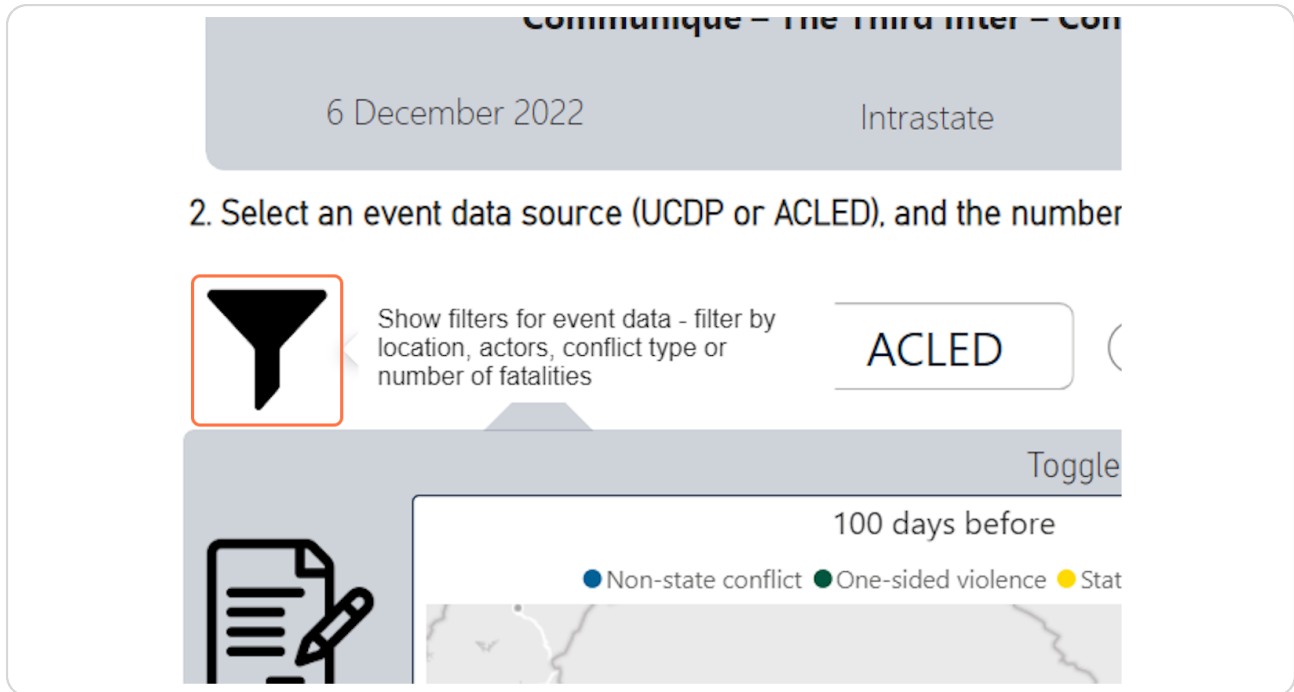
The timeseries displays the count of events and fatalities recorded in the selected datasets. The map shows the areas and types of events that occurred.



## STEP 11

**Open filters for the conflict event data displayed by clicking the filter icon.**

The filters will change relevant to the conflict event data that has been selected.



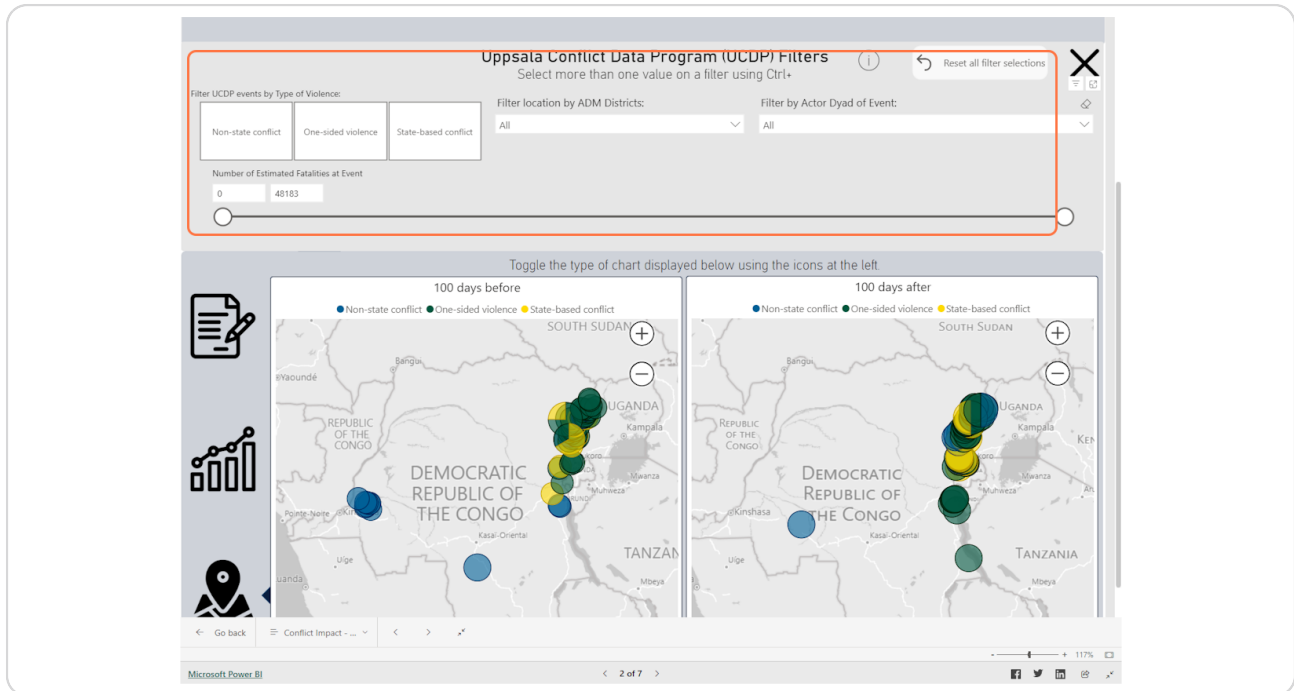
The screenshot shows a user interface for conflict event data. At the top, there is a grey header bar with the text "6 December 2022" and "Intrastate". Below this, a text instruction reads: "2. Select an event data source (UCDP or ACLED), and the number". A red box highlights a funnel icon, with a callout box containing the text: "Show filters for event data - filter by location, actors, conflict type or number of fatalities". To the right of the funnel icon is a button labeled "ACLED" with a left-pointing arrow. Below the funnel icon is a document icon with a pencil. To the right of the document icon is a map area with a legend. The legend includes the text "100 days before" and three colored circles with corresponding labels: a blue circle for "Non-state conflict", a green circle for "One-sided violence", and a yellow circle for "Stat". A "Toggle" button is visible in the top right corner of the map area.

## STEP 12

### Select filters for the data.

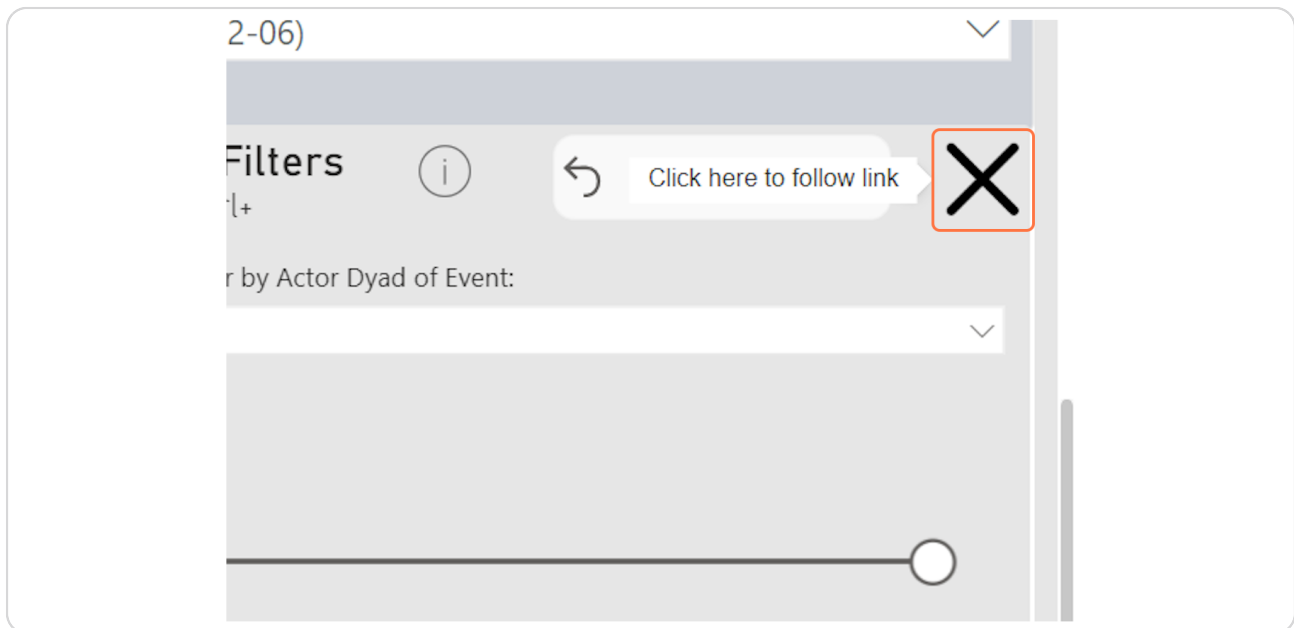
Hold the Ctrl key on your keyboard to select more than one value on a filter. The filters include the type of event, the location of event, the number of estimated fatalities from the event, and the actor dyad of events.

The filters can be reset using the 'Reset all filter selections' button.



## STEP 13

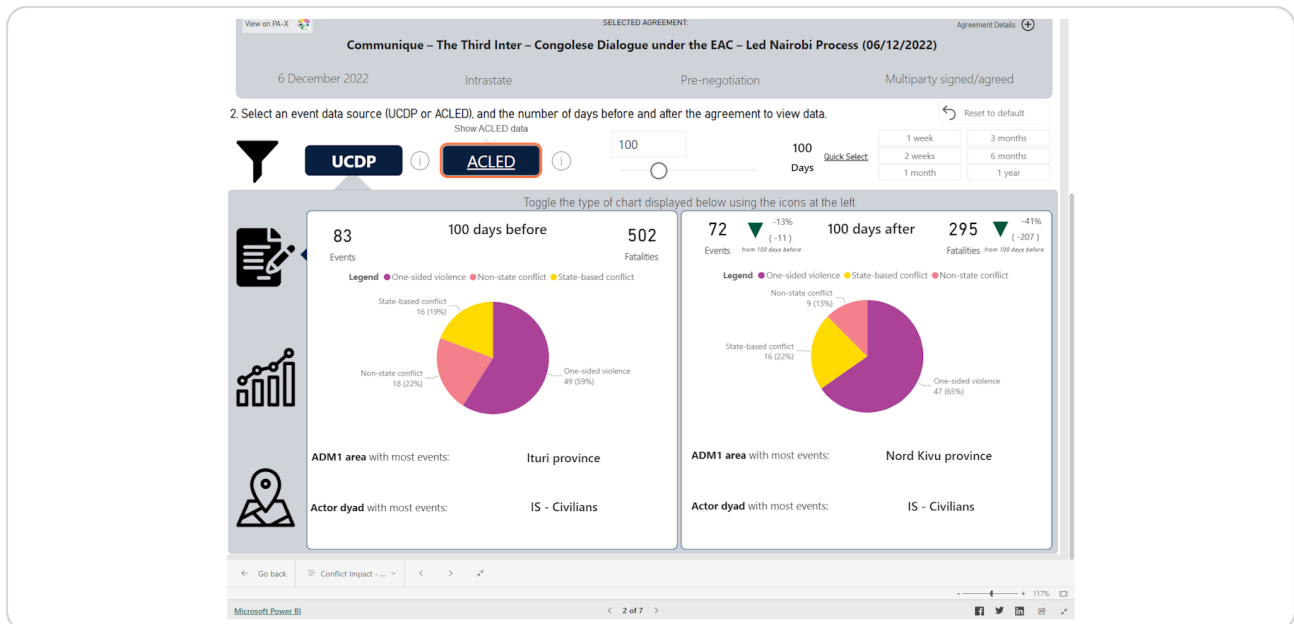
Use the close (X) button to hide the filters.



## STEP 14

Toggle between the data source shown on the charts.

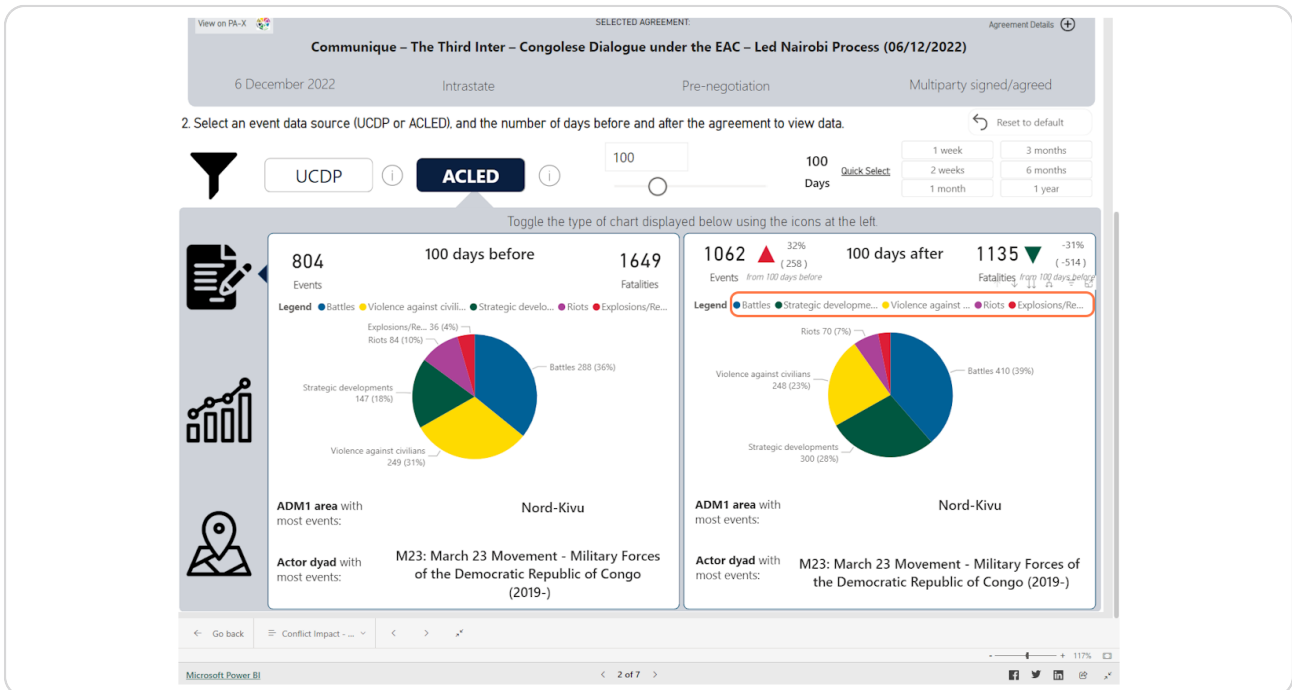
Triangulate the data sources to get a full picture, as they have different definitions of events they collect.



## STEP 15

Click on an event type on the legend to "quick-filter" the other visuals.

The number of events, percentage change, top area and top actor will change depending on the selection.





THE UNIVERSITY  
*of* EDINBURGH



**PeaceRep**  
Peace and Conflict  
Resolution Evidence  
Platform

# PA-X Tracker

## User Guide

Explore Peace Impacts via  
Implementation Indicators

<https://pax.peaceagreements.org/tracker/all/>





STEP 1

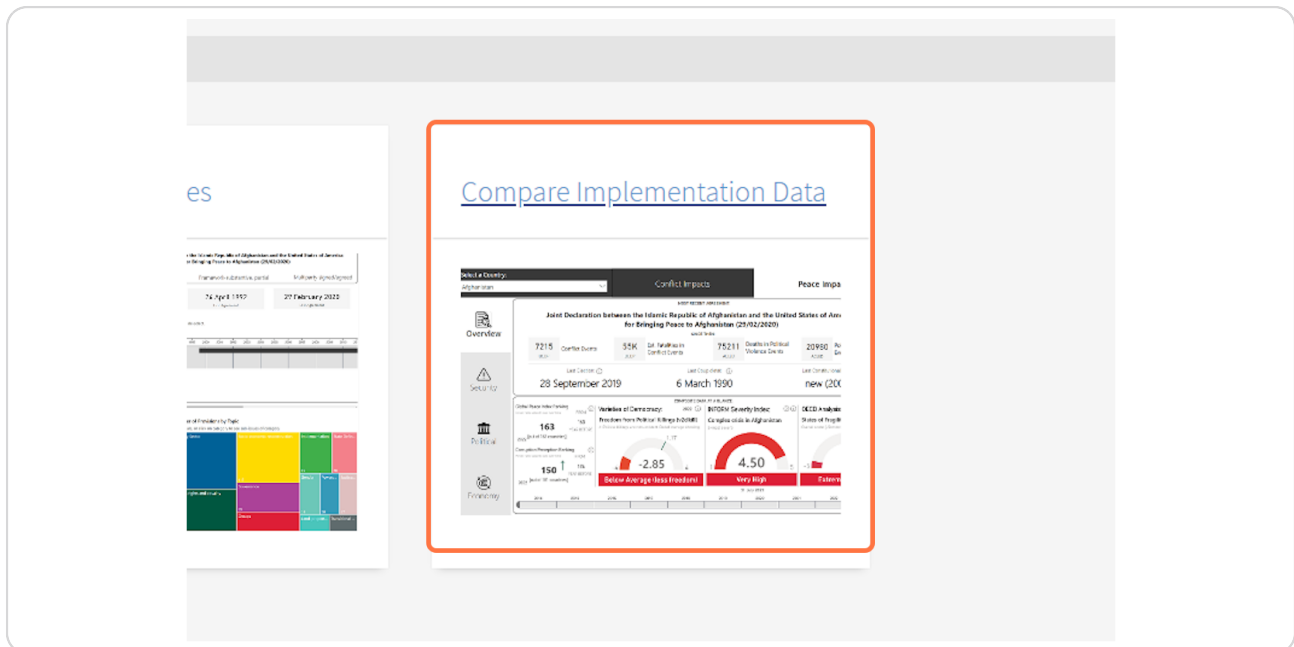
**To compare indicators of how a process is going across all countries in PA-X database, explore via 'All'**

For more relevant and curated implementation data indicators, including humanitarian indicators, navigate through a country profile - currently available for Myanmar, Syria, Sudan, South Sudan, Ukraine and Yemen.



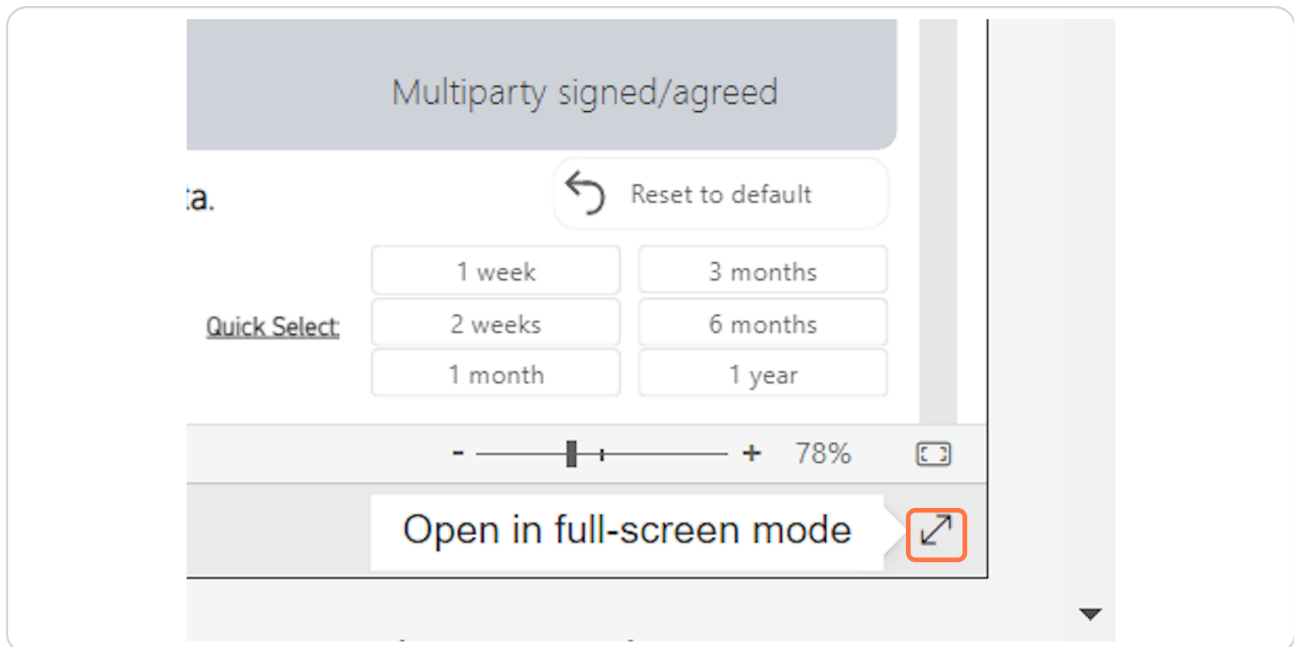
## STEP 2

### Click on Compare Implementation Data



## STEP 3

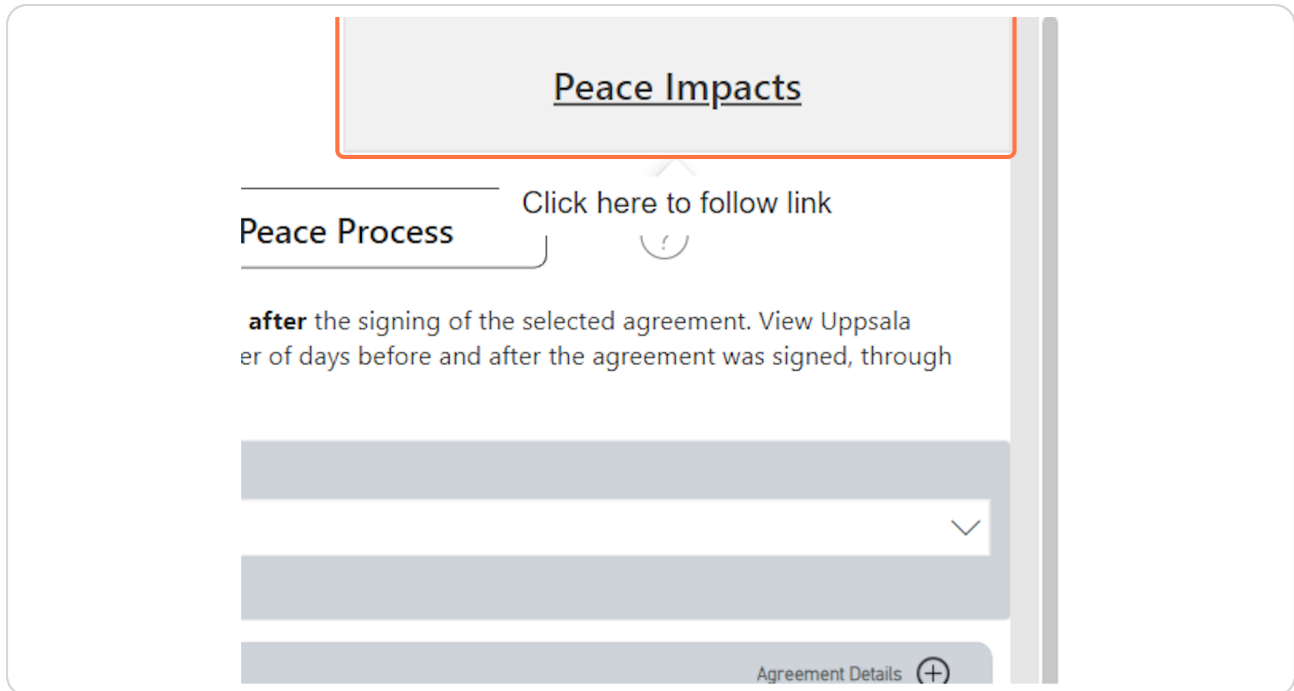
### Dashboard is best viewed and navigated on a desktop, in full screen mode. Enter full screen using the icon in the right bottom corner.





## STEP 4

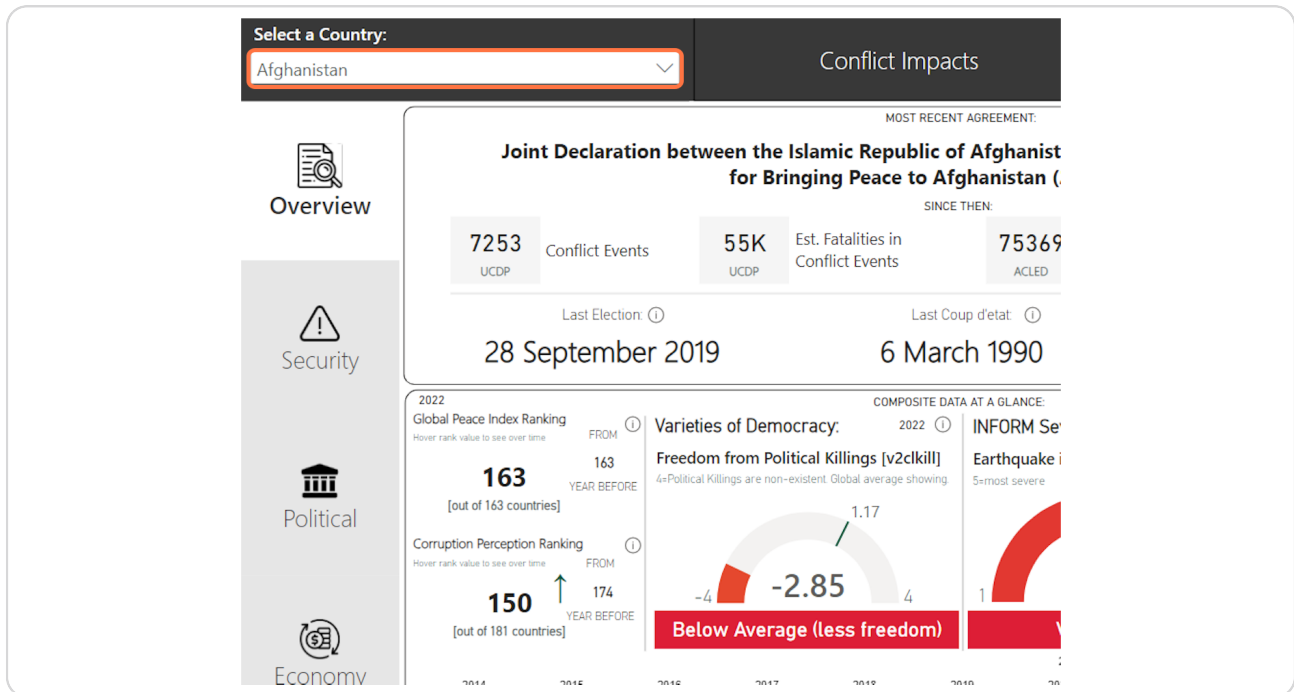
Navigate to 'Peace Impacts' using the tab at the top.



## STEP 5

### Select a country using the drop down menu at the top left corner.

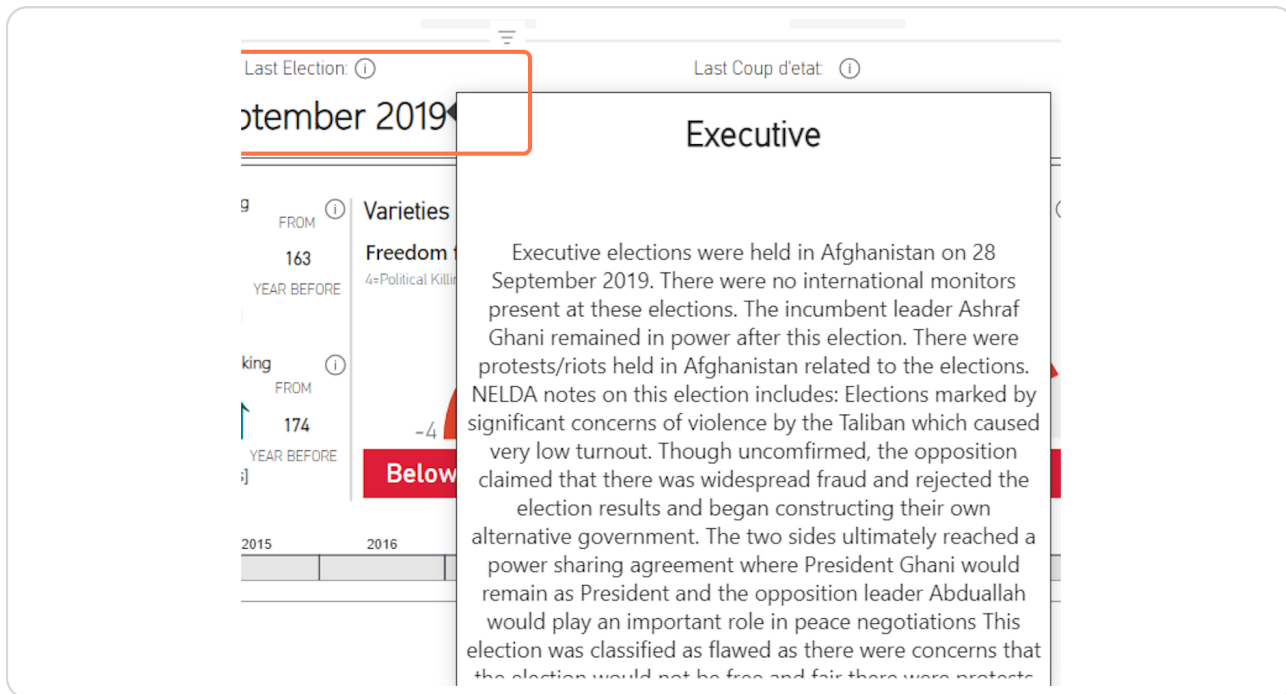
All independently recognised states as per Gledistch and Ward list are included in the dashboard, as they have consistent data across databases for all countries. Please note, some countries will have missing data in these sources for a myriad of reasons. Check the original data source (via the i information button) for more information on missing data.



## STEP 6

The overview page provides a snapshot of the most recent relevant events and release of composite indicators. Hover the dates of most recent events, such as elections, coups or constitutional events to find out more information on them.

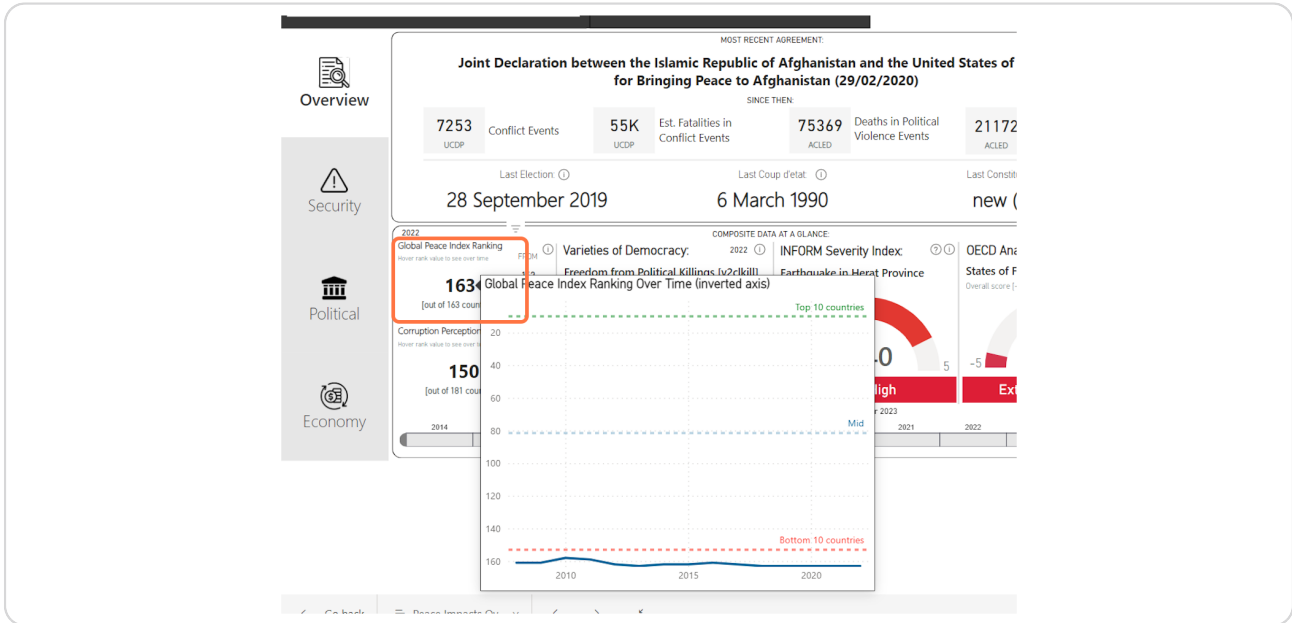
These events are all included in the timelines of institutional change, so if interested, navigate to the selected country profile and open the timeline.



## STEP 7

Composite indicators, such as the Global Peace Index and Corruption Perception Index allow quick comparison across countries using the same framework, and allows for ranking countries in terms of these indicators.

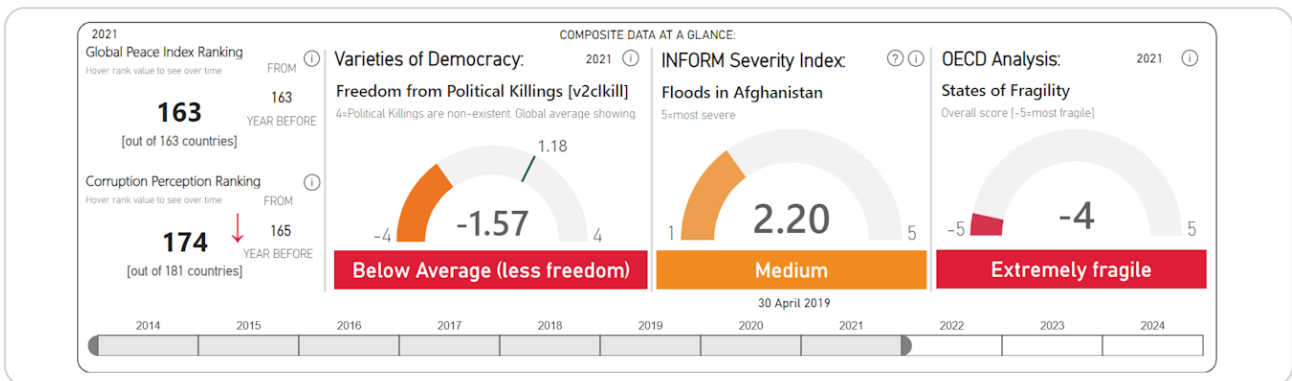
Hover the ranking card to see how the country's rank has changed over time.



## STEP 8

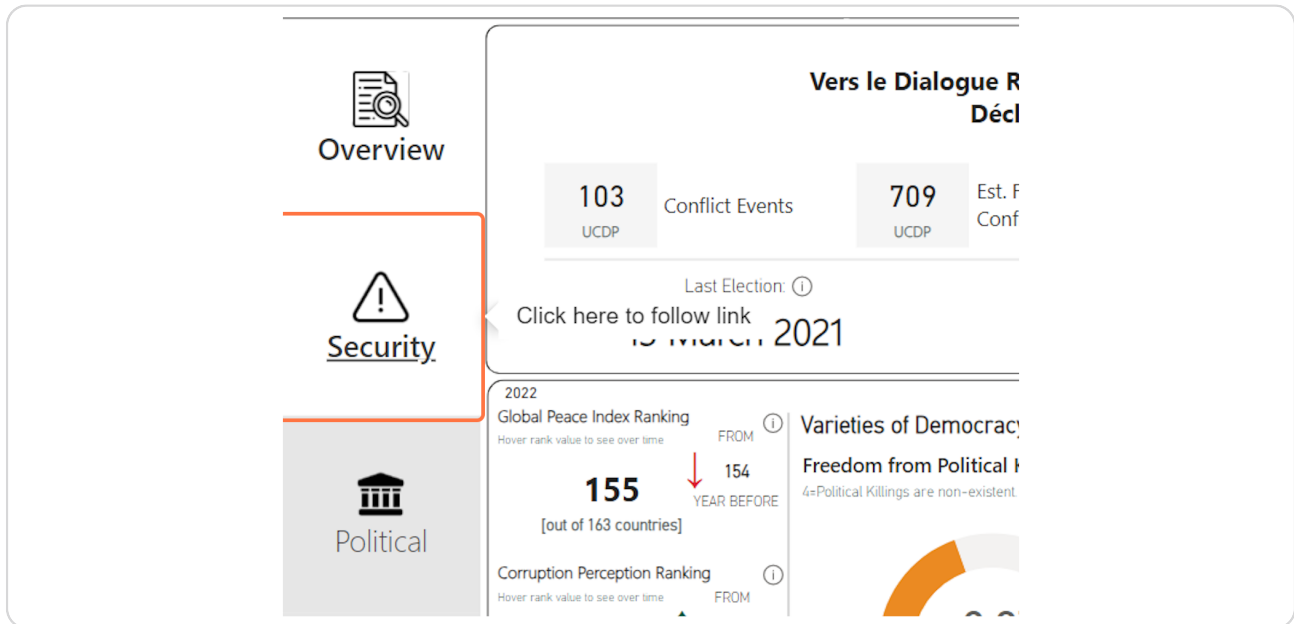
Use the year slider at the bottom of the overview page to see how all the indicators have changed over time.

In this example, the selection is to show the indicators in 2021 rather than the most recent available indicators. This change shows that 2021 seen a large drop in the Corruption Perception Index for the selected country, as they went from rank 165 to 174 in terms of 181 countries perceived corruption levels.



## STEP 9

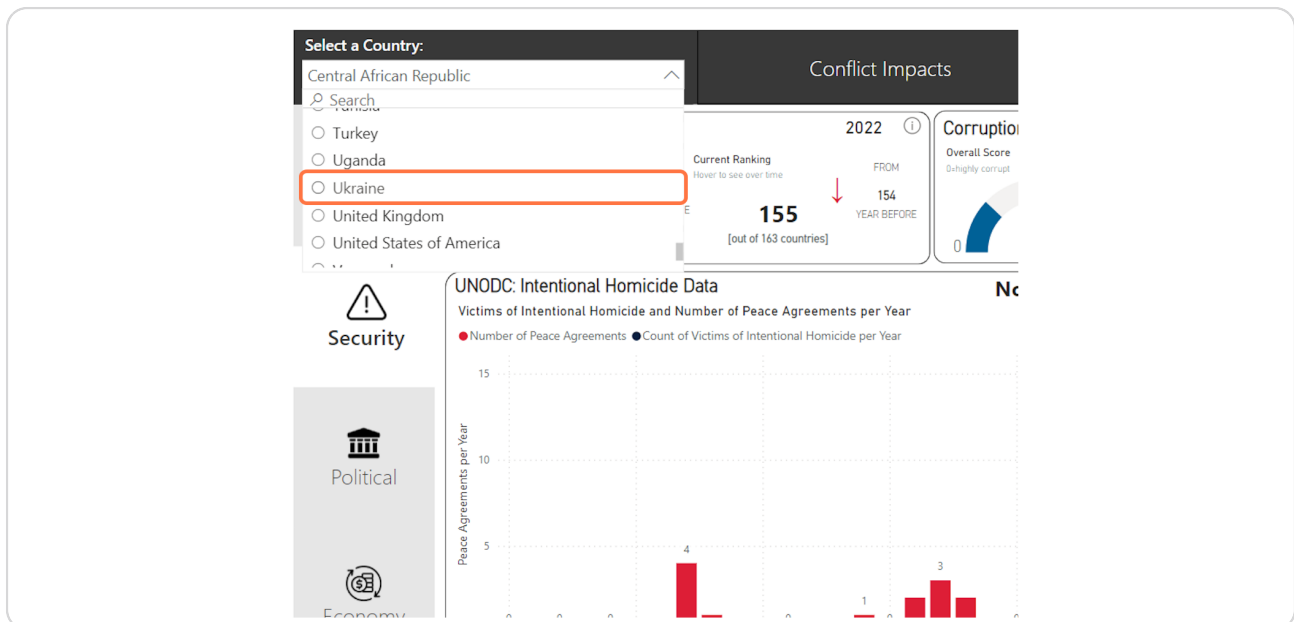
Use the sidebar buttons to navigate to another page of relevant indicators.



## STEP 10

When viewing via 'All', you can change the country you are viewing at any time via the dropdown menu at the top left.

This allows for a quick comparison of the indicators across different countries.



## STEP 11

### Try clicking or hovering over data cards for more context.

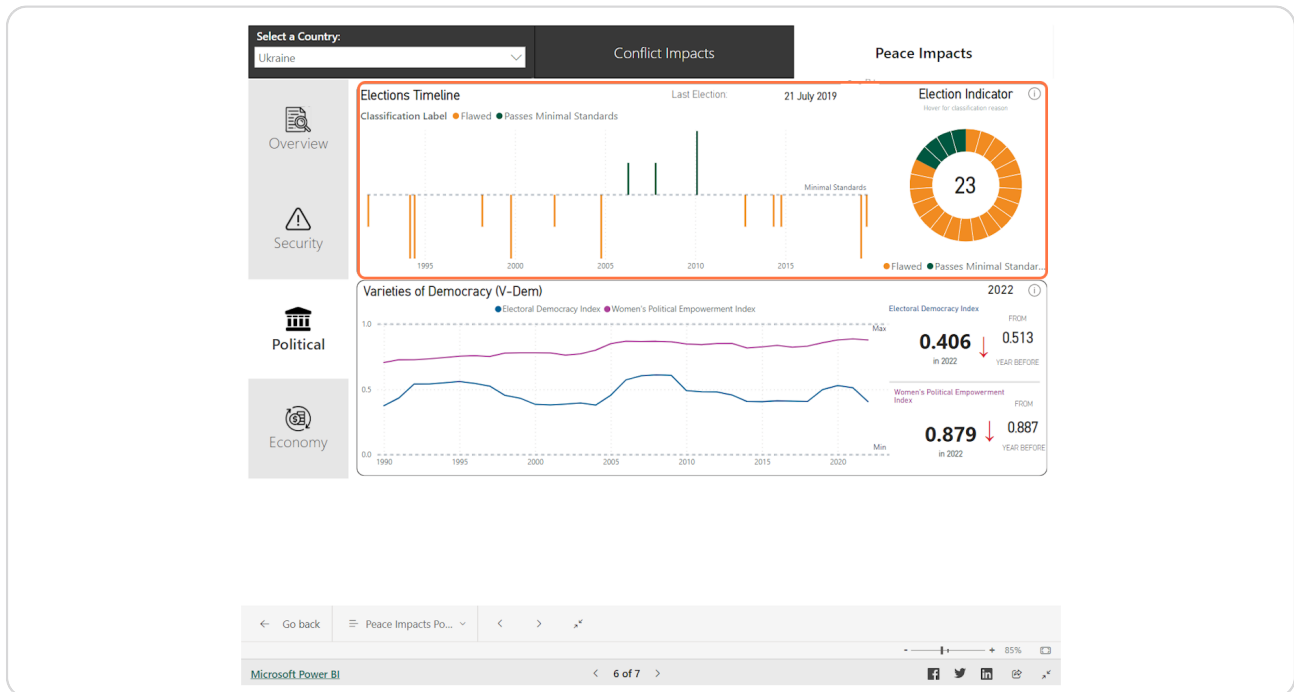
Seeing how these indicators change over time allows interrogation of how conflict and peace and transition processes can have impacts on overall levels of peace in a country.





## STEP 14

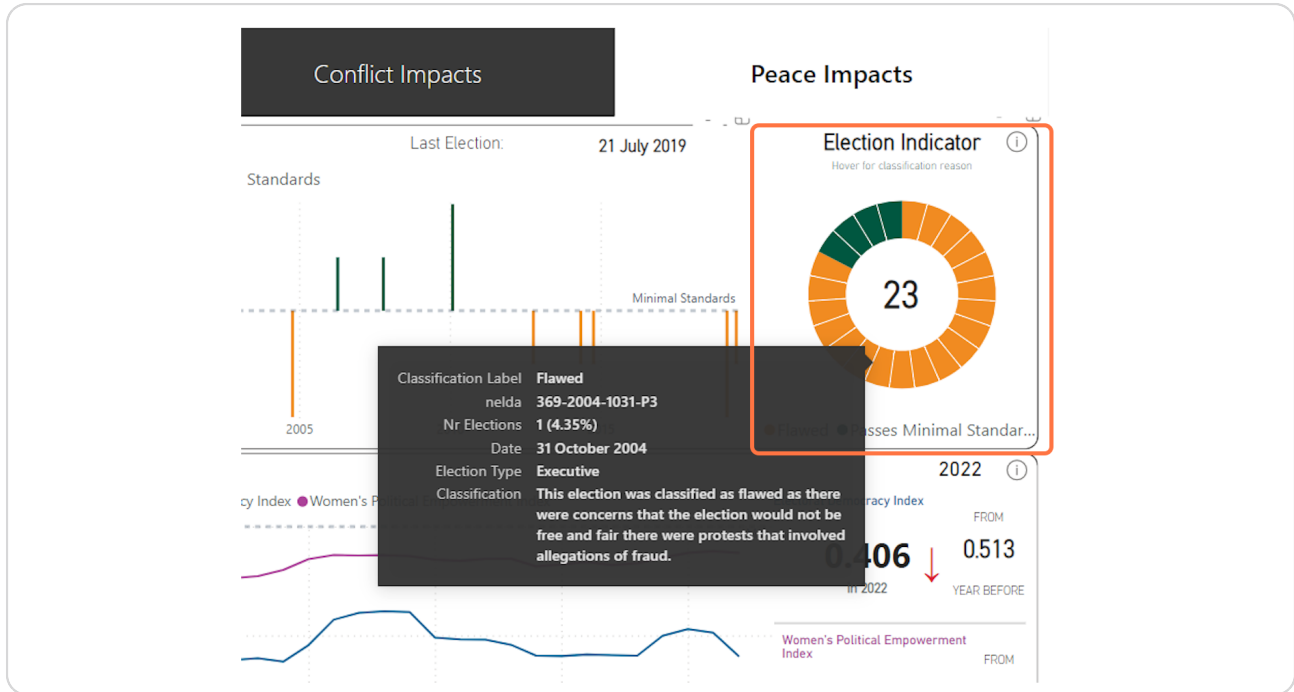
The elections timeline and indicator are connected. Click on a specific election on either chart to highlight on the other. Hover the data point to see information on the event, including the date, event description and the reason why it was labelled with the relevant indicator.





## STEP 15

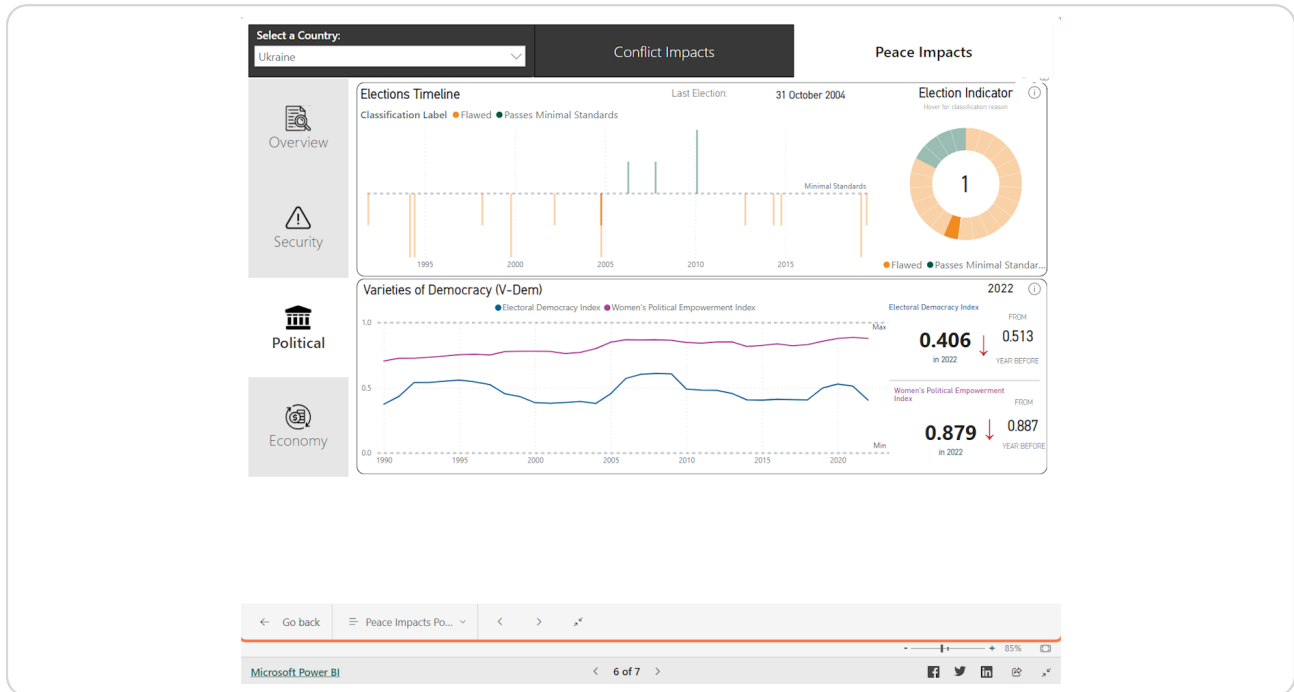
Use the election indicator to see how and why they have been categorised as either deeply flawed, flawed or passing our minimal standards, by hovering over an election.



## STEP 16

Click on an election on the indicator to see what election it is referring to on the timeline.

To select more than one on either the timeline or indicator, use the Ctrl button on your keyboard when selecting them.



## STEP 17

To see how we categorised the elections based on minimal standards using NELDA variables, click the 'i' information button next to 'Election Indicator' for the methodology to show as a pop-up.

Use the X button in top corner to close the pop-up.

Data for elections 1990-2020 and the data used in our classification is from the **National Elections across Democracy and Autocracy (NELDA)** dataset. NELDA provides detailed information on all election events from 1945-2020. To be included, elections must be for a national executive figure, such as a president, or for a national legislative body, such as a parliament, legislature, constituent assembly, or other directly elected representative bodies. <https://nelda.co/#>

Hyde, S. D., & Marinov, N. (2012). *Which Elections Can Be Lost? Political Analysis*, 20(2), 191–210. <http://www.jstor.org/stable/23260172>

We used the following NELDA variables for our election indicator:

**"DEEPLY FLAWED"** if the election included any of the following:

- No opposition was allowed (NELDA3=no)
- More than one party was not legal (NELDA4=no)
- There was no choice of candidates/parties on the ballot (NELDA5=no)
- Opposition leaders were prevented from running (NELDA13=yes)

**"FLAWED"** if the election passes the above conditions, but has any of the following:

- Concerns that the election would not be free & fair (NELDA11=yes)
- Evidence that the government harassed the opposition (NELDA15=yes)
- There were protests that involved allegations of fraud (NELDA30=yes)
- There was significant violence involving civilian deaths immediately before, during, after the election (NELDA33=yes)

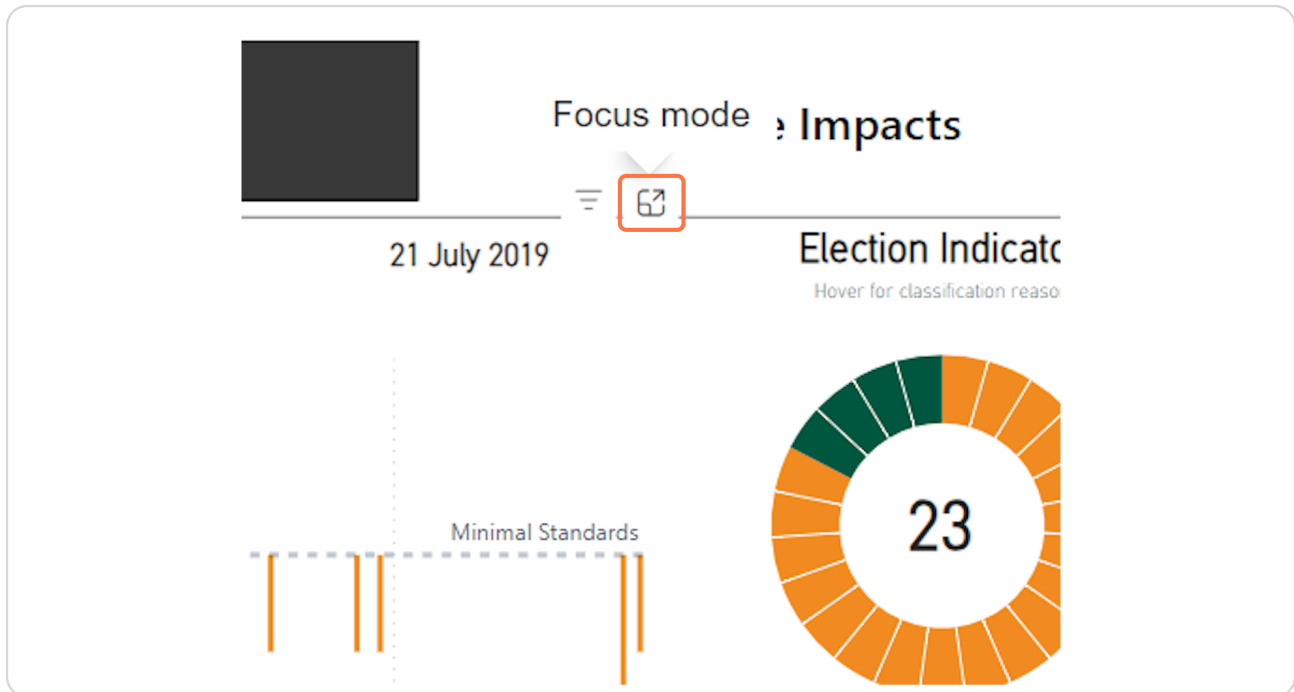
**"PASSES MINIMAL STANDARDS"** if the election passes all the above conditions

Data for elections post-2020 was extracted from the **National Democratic Institute (NDI)** Election Calendar: <https://www.ndi.org/elections-calendar>

## STEP 18

To view the elections timeline in isolation, click the "Focus mode" icon at the top corner of the chart.

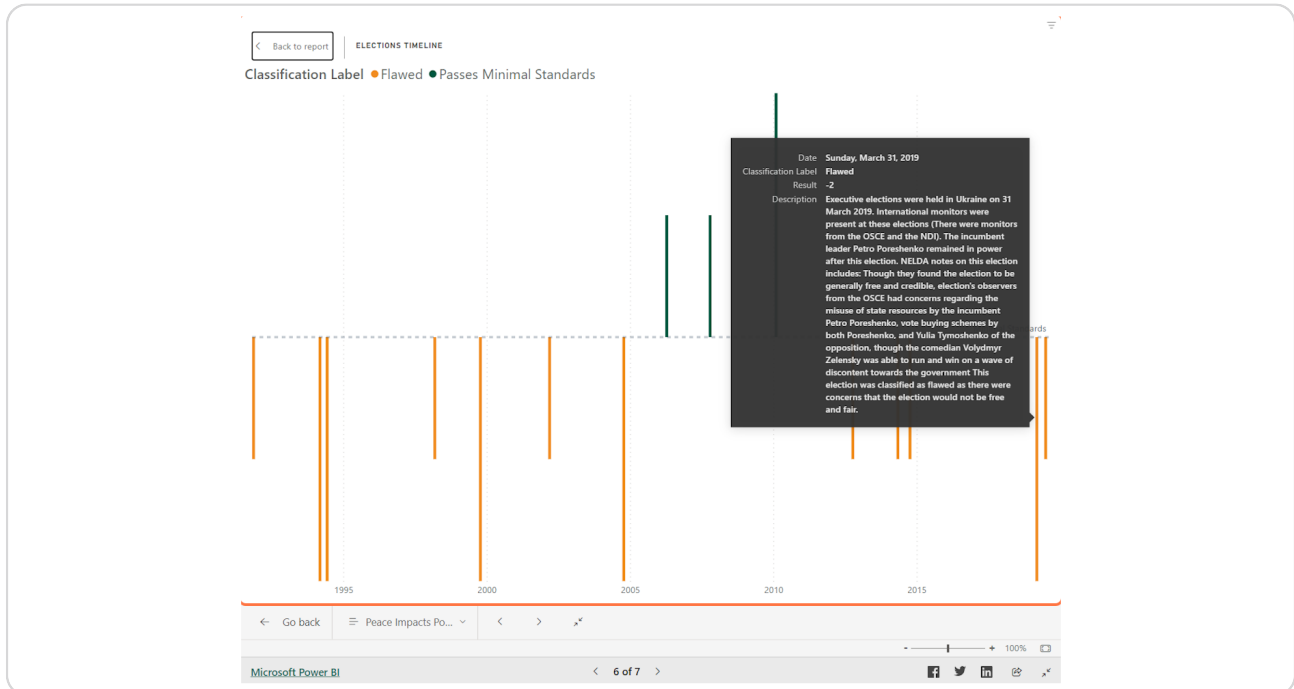
HINT: "Focus mode" can be used on almost all charts in the dashboard. Use it to view the charts larger and in isolation from the rest of the dashboard. If any filters are applied, they will still be applied in focus mode.



## STEP 19

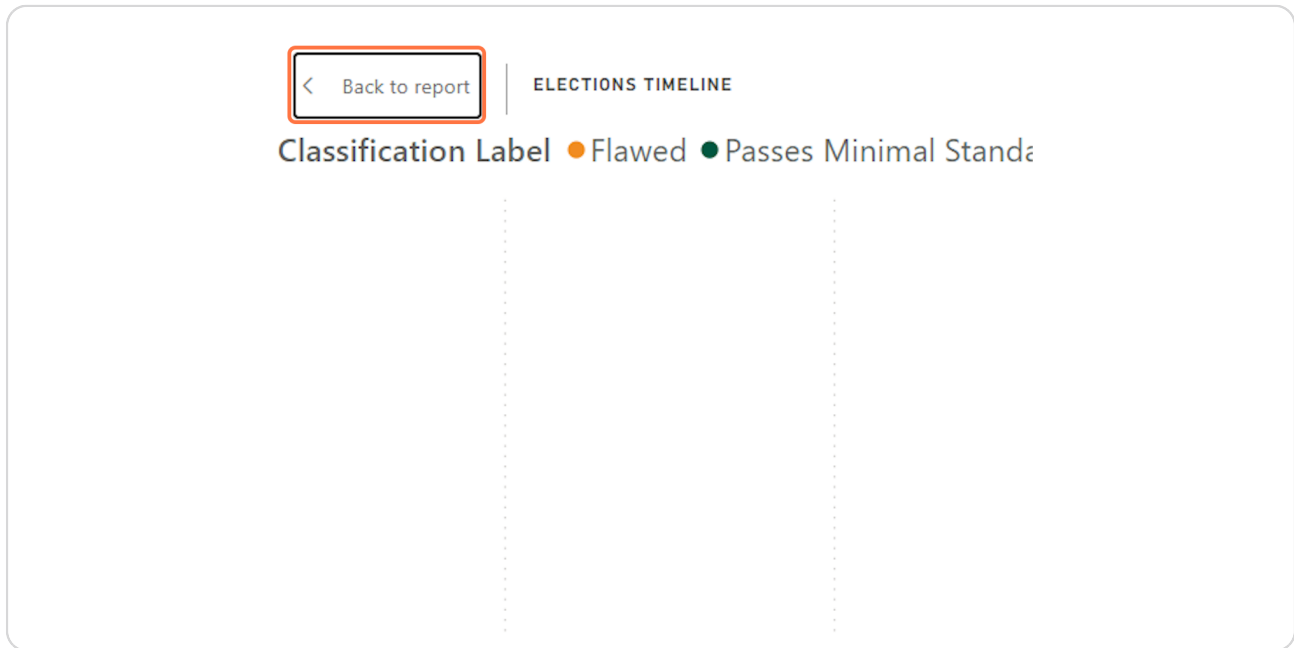
In "Focus mode" the chart is larger and isolated which allows for easier viewing and interactions with the chart.

On hover there are useful details on the event provided.



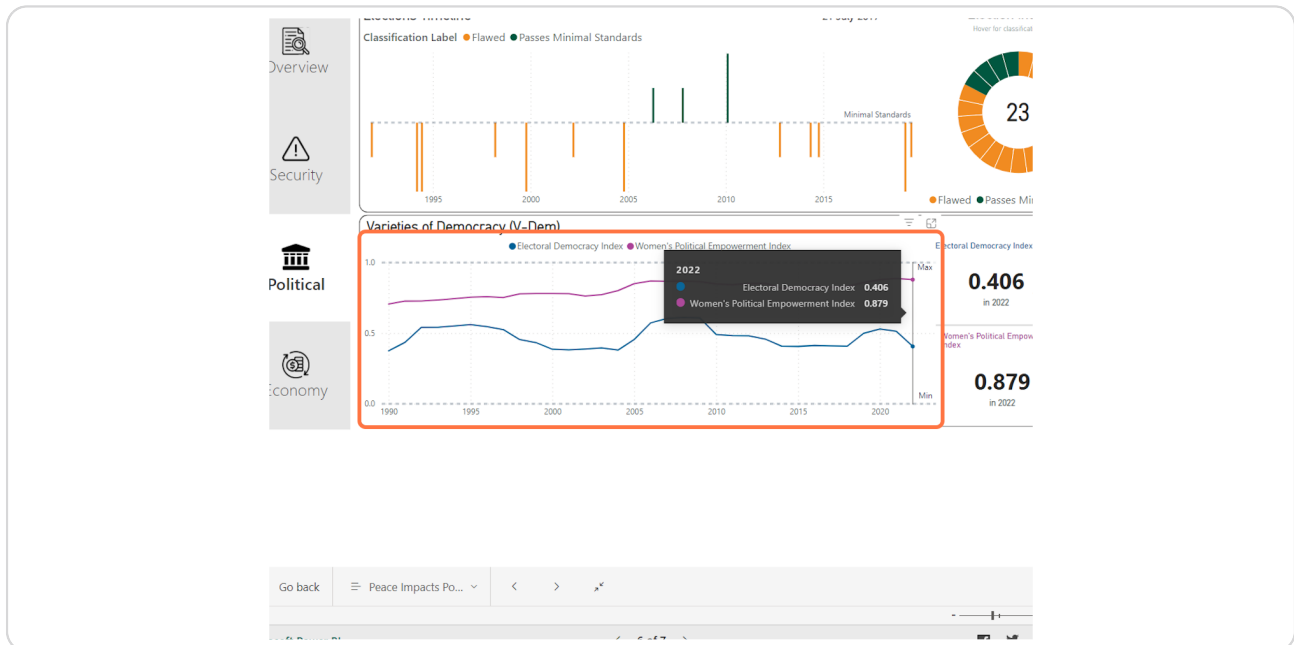
## STEP 20

Exit "Focus mode" by using the "< Back to report" button at the top left. This will return you to the page location you accessed the chart.



## STEP 21

Hover over charts or click to show tooltips that provide further details.



STEP 22

Navigate to the economic indicators page using the sidebar of buttons for the available pages.

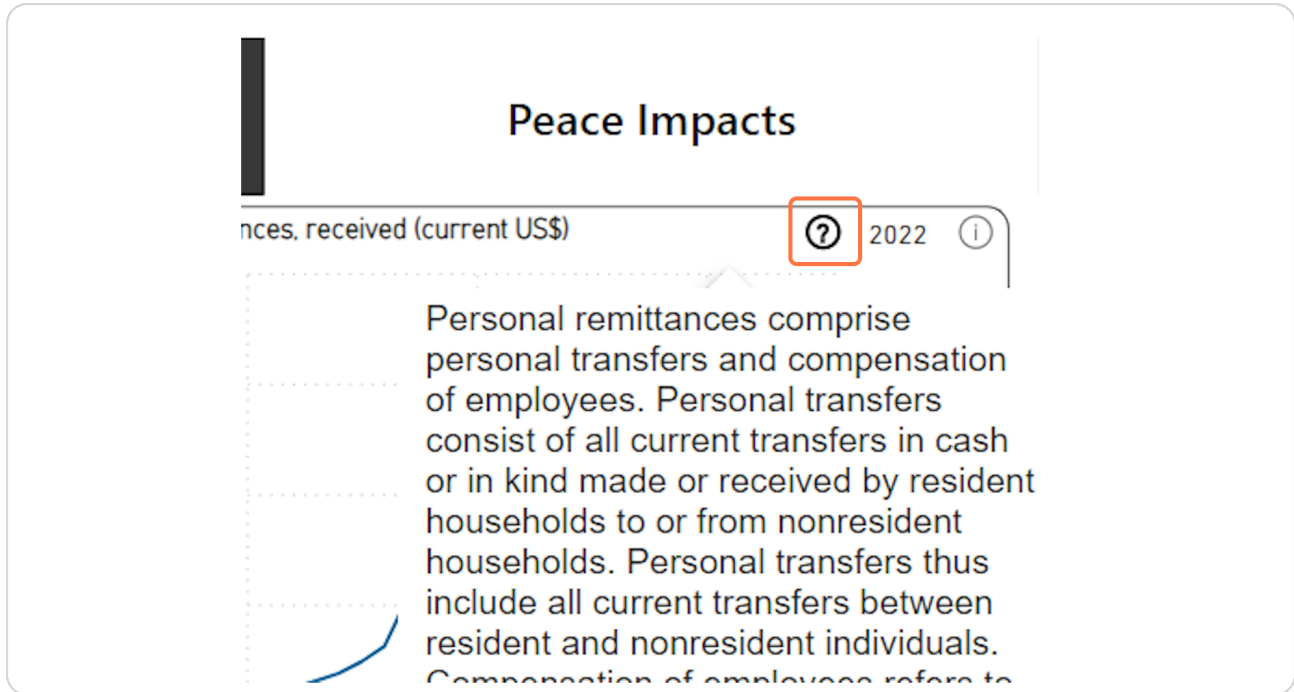
The screenshot shows a web interface with a sidebar on the left and a main content area on the right. The sidebar contains two buttons: 'Political' with a classical building icon and 'Economy' with a circular arrow and dollar sign icon. The 'Economy' button is highlighted with an orange border. The main content area displays a line chart titled 'Varieties of Democracy (V-Dem)'. The chart has a y-axis from 0.0 to 1.0 and an x-axis from 1990 to 2005. Two lines are plotted: a blue line for 'Electoral Democracy Index' and a purple line for 'W'. The purple line is consistently higher than the blue line. A callout box with a white background and a light blue border points to the 'Economy' button, containing the text 'Click here to follow link'.

Year	Electoral Democracy Index (Blue)	W (Purple)
1990	0.40	0.70
1995	0.55	0.75
2000	0.45	0.80
2005	0.50	0.85

## STEP 23

Anywhere there is a '?' icon, hover for useful context of what the data indicator means or why it is included in the dashboard. This example shows the description of what a 'personal remittance' is.

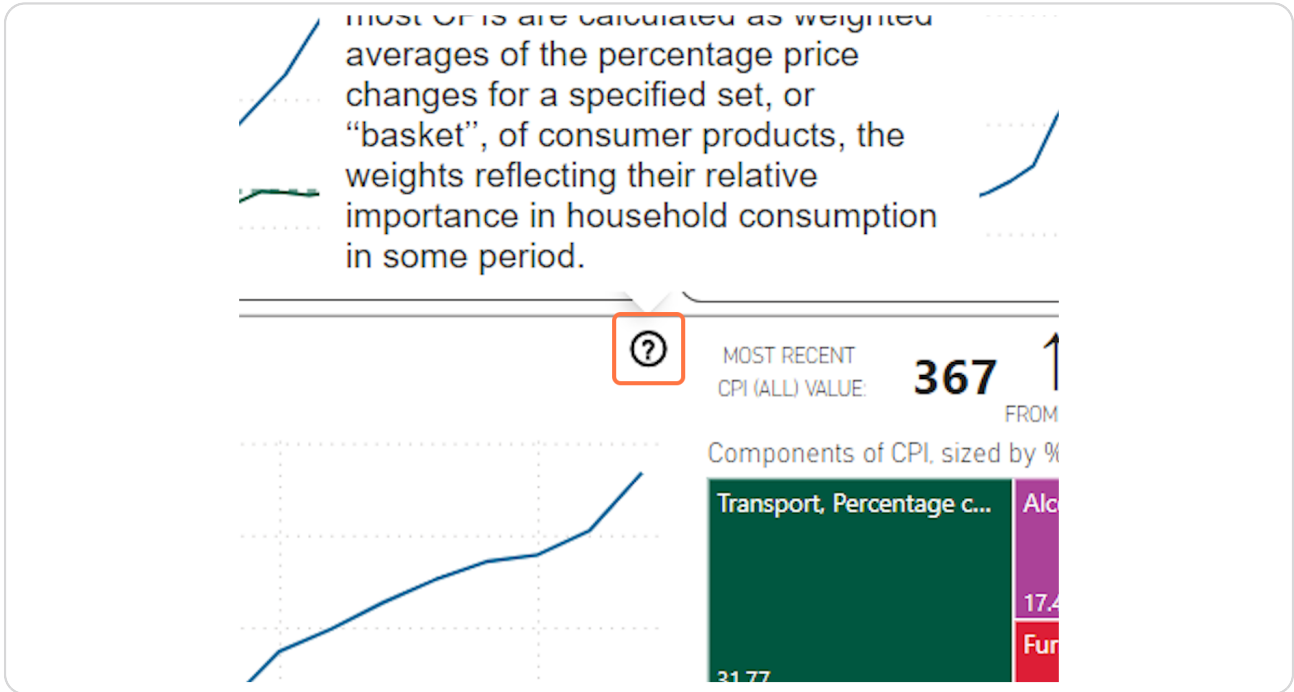
Use the 'i' button to get more information on, or navigate directly to the source data.





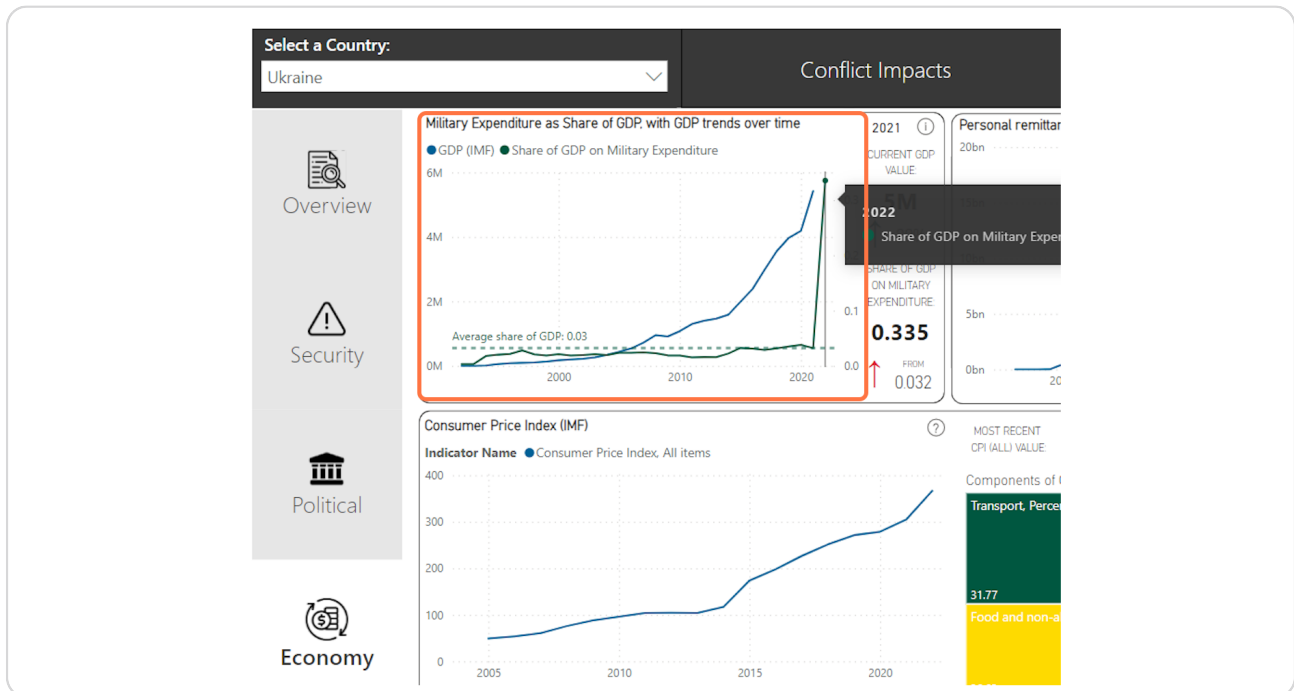
STEP 24

Click on Web URL . Consumer price indexes (CPIs) are index numbers that measure changes in the prices of goods and services purchased or otherwise acquired by households, which households use directly, or indirectly, to satisfy their own needs and wants. In practice, most CPIs ar...



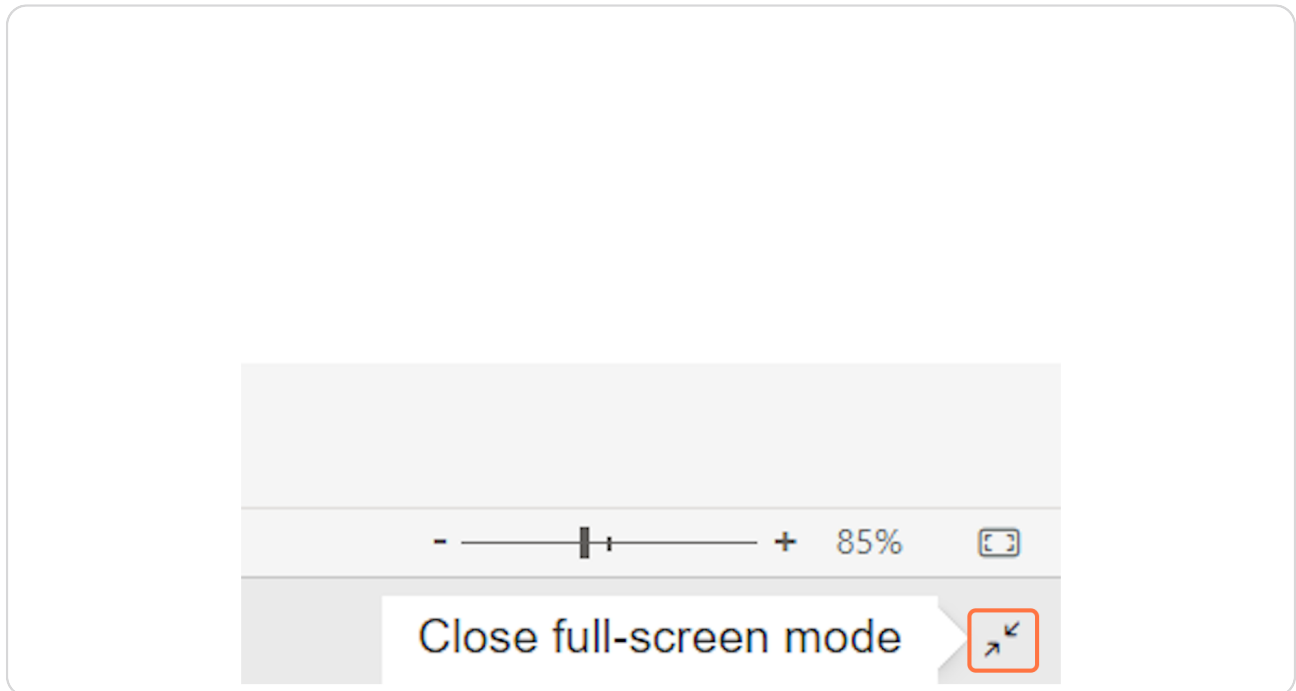
## STEP 25

Hover or click on charts to see more details and see how they are connected to other charts on the page.



## STEP 26

To exit the dashboard and explore the tracker further, use the 'Esc' button on your keyboard, or use the 'Close full-screen mode' button.



## STEP 27

To navigate back to the component selection, use the navigation breadcrumb links.

Selecting 'All' will return you to the page that contains the components for 'All'.



STEP 28

Click on Tracker to return to the Tracker homepage where you can select a country profile to view.

