Collaboration

[00:00:00] Welcome Back, and this time we are going to show you how to use the Collaboration Page of the Aurora SDG Research Dashboard.

# [00:00:06] Learning Goals

We are going to explain the collaboration module by using three use cases.

In the first case, you are going to learn: who the researchers are, from two different universities, who publish together on a specific SDG.

In this second use case, you are going to learn how Aurora is collaborating with the Least developing countries.

In the last case you will learn how to find potential researchers to collaborate with, who are working on a similar topic, within an SDG.

Let's start with our first use case.

# [00:00:32] 1. Current Collaboration

Current Collaboration.

In this section we are going to explain how to show the researchers who have published together.

Imagine: you are working at the University of Rovira i Virgili, and you want to find out what co-authors from the University of Innsbruck have worked on the same papers.

You might wonder: how many papers that are.

And also: how much of those papers relate to the SDG's.

# [00:00:51] 1.a Basics

First, you start by selecting in the filter bar the University you are interested in. In this case the University of Innsbruck.

Now you [00:01:00] see all the authors and co-authors, that have worked on the papers published by the University of Innnsbruck.

Now, you want to filter on the University of Rovira i Virgili, at the right side, under "collaborating institutions".

We click on the drop-down menu, and start typing the name of the university, and select it.

Now, Look at the top left corner of the screen. Here we see how much of the publications are co-authored between these two universities.

Also we see the amount of papers that are related to the SDG's.

And here in the circle, we see how much of those papers relate to each of the SDG's.

# [00:01:38] 1.b Authors

We might be interested in a particular SDG, and who those authors are.

We filter that SDG, by clicking the SDG in the filter bar on the left.

And now we see the co-authors from University of Innsbruck, who collaborate with the University of Rovira i Virgili, on that particular SDG.

# [00:01:55] 1.c Drill through publications

And finally, you might be interested in the actual papers in this selection?

[00:02:00] You can drill through to those, by hovering with your mouse above the data segment you are interested in.

In our case we use the circle chart.

Then we click right with our mouse button, and choose "Drill through", and select "Publications Page".

Now we see the details on the publications of that selection.

This concludes the segment about Current Collaboration.

We go now to the next one. But first we go back. And reset the filter on the collaboration page.

# [00:02:28] 2. International Collaboration

International Collaboration

In this section we want to show the international collaboration.

For this case, we want to see what Research Institutes collaborate with Aurora Universities on SDG eleven "Sustainable cities and communities".

First: we start by filtering on SDG eleven, in the filter bar on the left.

On the map in the center, we see the heatmap of countries, where Aurora has shared co-authored publications with.

[00:03:00] In the botom right, we see what those topics are about.

Housing. Traffic control. Construction. And so on.

To see a list of these institutes, we click on "Focus mode" in the bar chart with collaborating institutions.

To see also a table. Click your right mouse button on the chart, and select: "Show as a table".

Let's get back to our previous screen.

# [00:03:26] 2.b Least developed countries

Now: we want to see the "Least Developed Countries" the Aurora Universities have published with, together.

To filter on these specific countries, we select the filter on the top right.

This shows you, on the map, where these countries are.

Now, we want to see these countries represented in the bar chart as well. So, we use the "Drill up" function, by pressing the Up-arrow, above the bar chart.

This brings us to the number of shared publications by country.

When you are interested in the research institutes in these countries?

Press the down arrow at the top of the bar chart, to enable "Drill down mode".

[00:04:00] Now select a country you are interested in, and it shows you the Research Institutes that share these publications, from the perspective of that selected country.

This concludes this section about International Collaboration.

Up to the next one. But first we reset the filters on the collaboration page.

# [00:04:19] 3. Potential Collaboration

Potential Collaboration

In this last section we want to show the potential collaboration with authors on a specific topic.

In this case we have Copenhagen Business School (CBS) , who wants to find new collaborators on a topic related to SDG eight. "Decent Work and Economic Growth".

# [00:04:37] 3.a Initial selection

We first start by filtering CBS. Then we filter on SDG eight, "Decent Work and Economic Growth".

# [00:04:46] 3.b Topic selection

As we look at the "Topics Clusters", we think that the topic: "Corporate Social Responsibility", might be interesting to find researchers in the other Aurora universities.

[00:05:00] We go to the topic filter, click in the search bar, and start typing the name of the topic: "Corporate Social Responsibility".

Select the topic. This will filter all the publications on this page to this specific topic.

# [00:05:15] 3.c Invert University selection

We now have selected an interesting topic and SDG. The next step is to invert the selection of the universies.

This way we can see the authors within the rest of the aurora universities, that relate to this selected Topic, and this SDG.

We now remove the filter of CBS, and start selecting the other Aurora Universities.

Selecting multiple values, we do by clicking the mouse, while holding the "command" or "control" button on your keyboard.

Now we have inverted the selection.

In the author table, we now see list of authors of our selection.

# [00:05:54] 3.d. Export values

To view this table in more detail, select "Focus mode" in the right top corner of the table [00:06:00] itself.

This brings us to a bigger overview.

You can use this list to review the authors.

If you want to copy the names to use in another tool? Simply select the ones you are interested in, while holding your "command" or "control" button of your keyboard.

When you are done. Right click, and select "copy selection ".

This concludes this section about Potential Collaboration.  ​

# [00:06:26] Outro

We hope you enjoyed this video and learned how to use the Collaboration Page of the Aurora SDG Research Dashboard.

Feel free to explore the data in the dashboard, and find any other answers to your questions.​