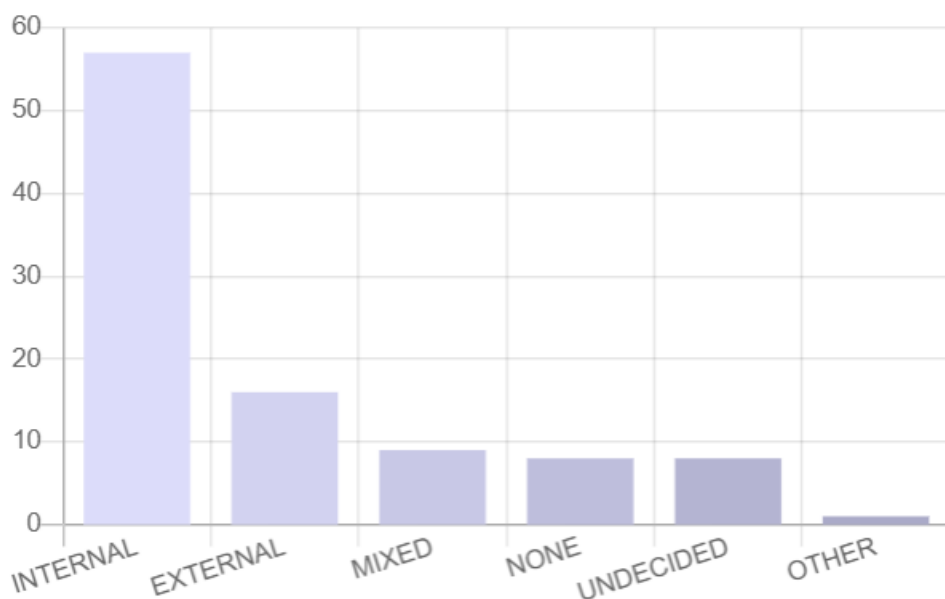


# OpenMWS Search tools

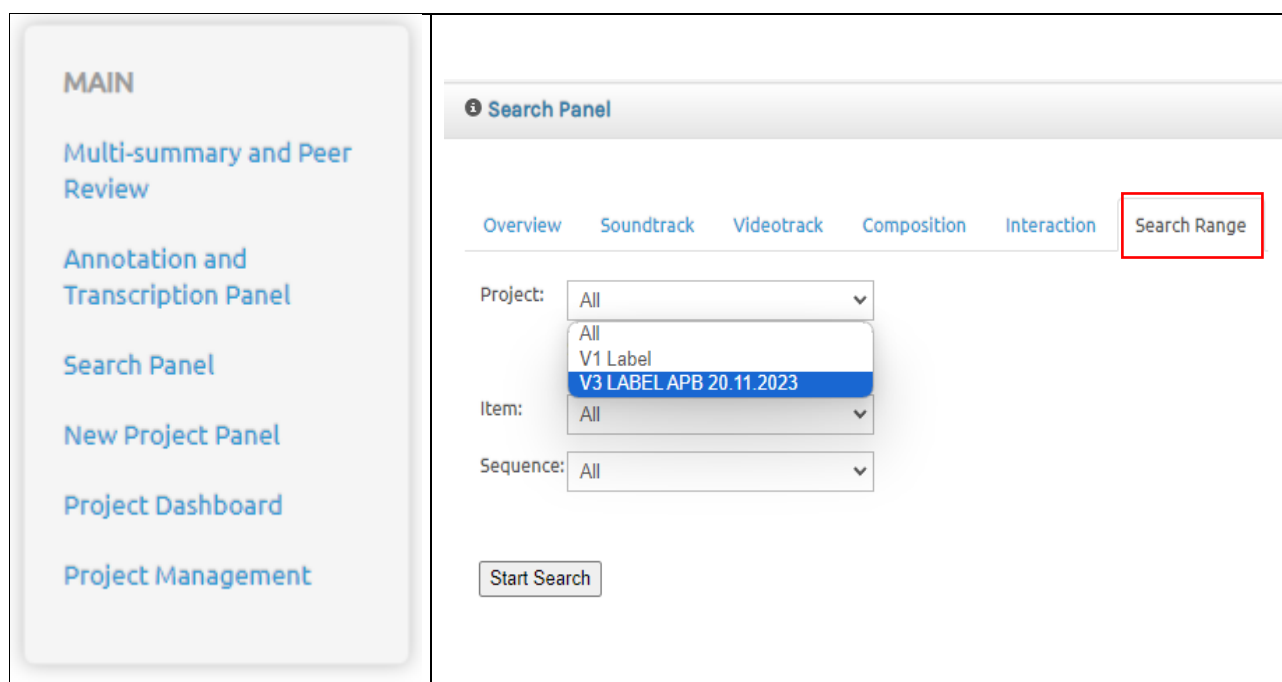
By

VALENTINA CERVELLERA

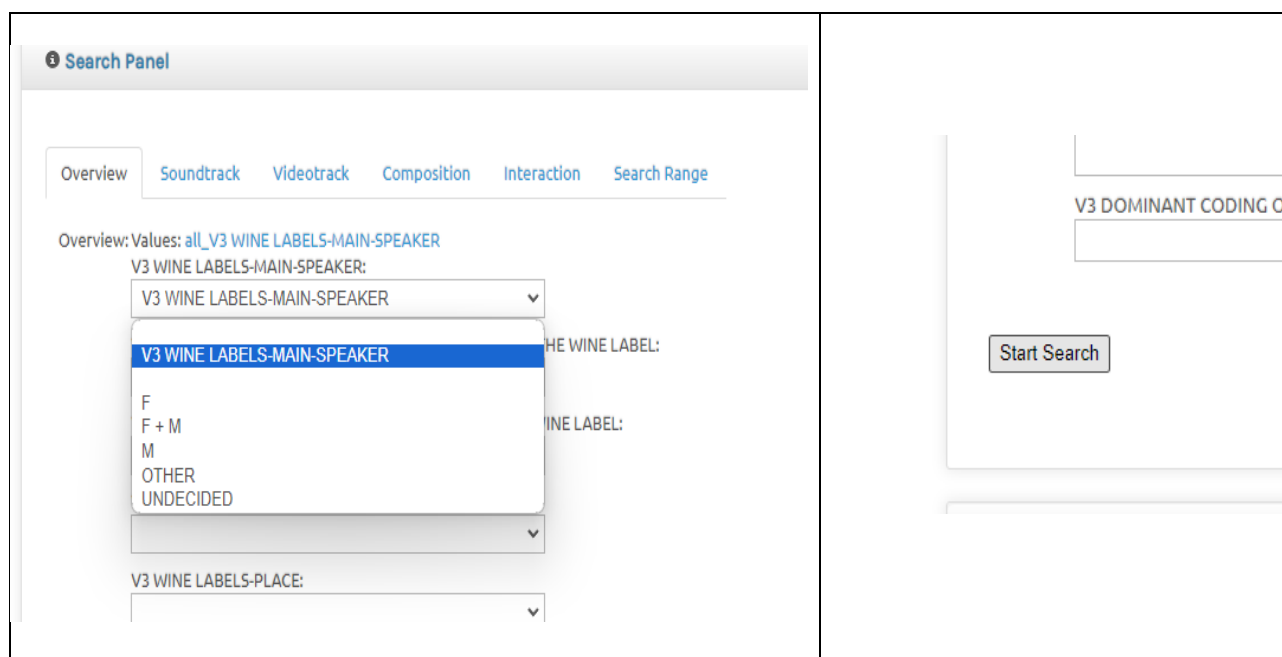


## Part A: How to use the Search tools

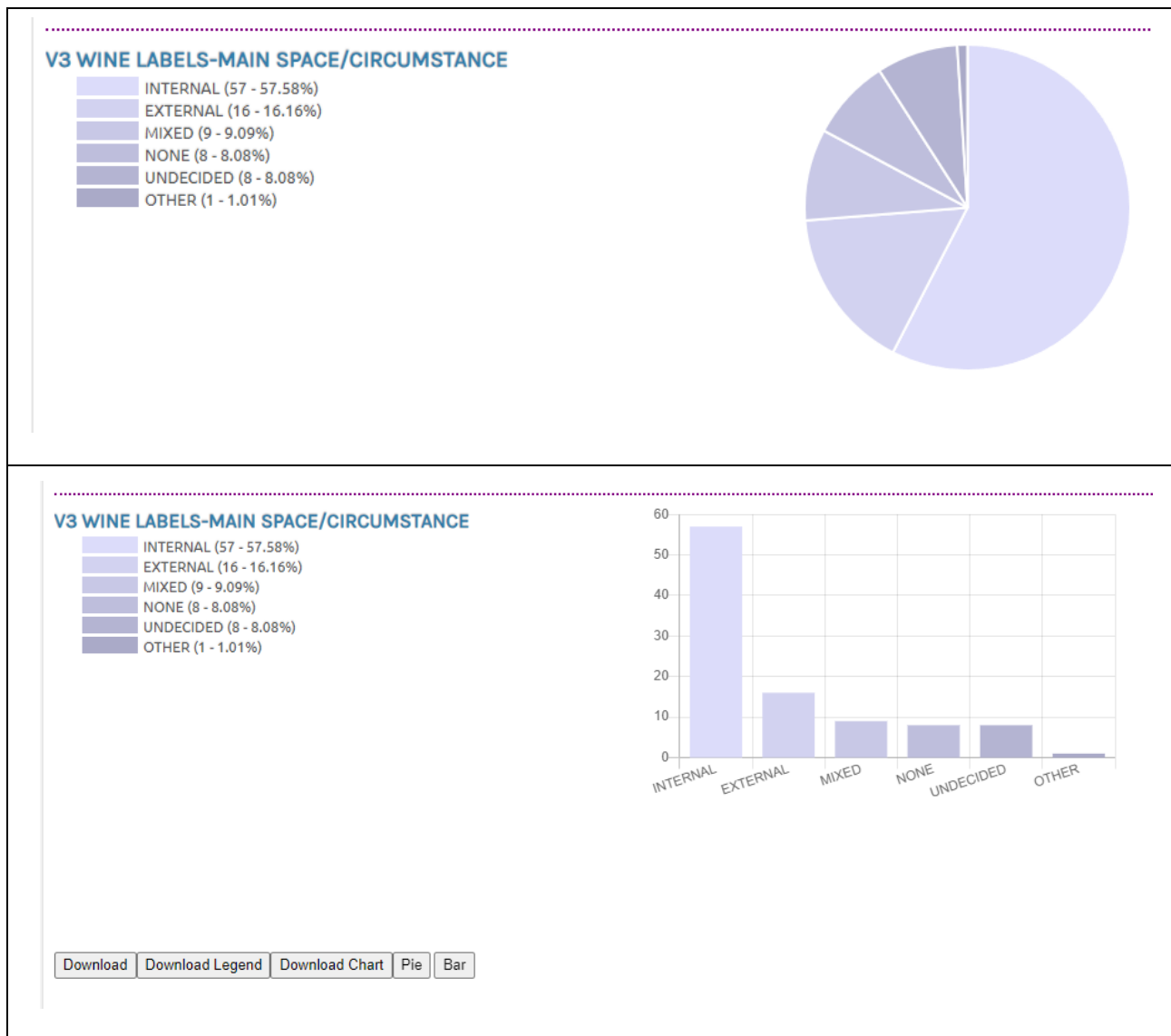
OpenMWS allows users to search corpora with a high degree of flexibility: both a single corpus and combinations of individual corpora can be searched in relation to individual descriptors or sets of descriptors; searches also allow individual audio or video sequences corresponding to specific descriptors to be identified and played; searches produce charts such as the one shown above that can be downloaded as \*.png files.



STEP 1: Select 'Search Panel' from the MAIN Menu and then select 'Search Range'. From the Project Window select the corpus to be searched.



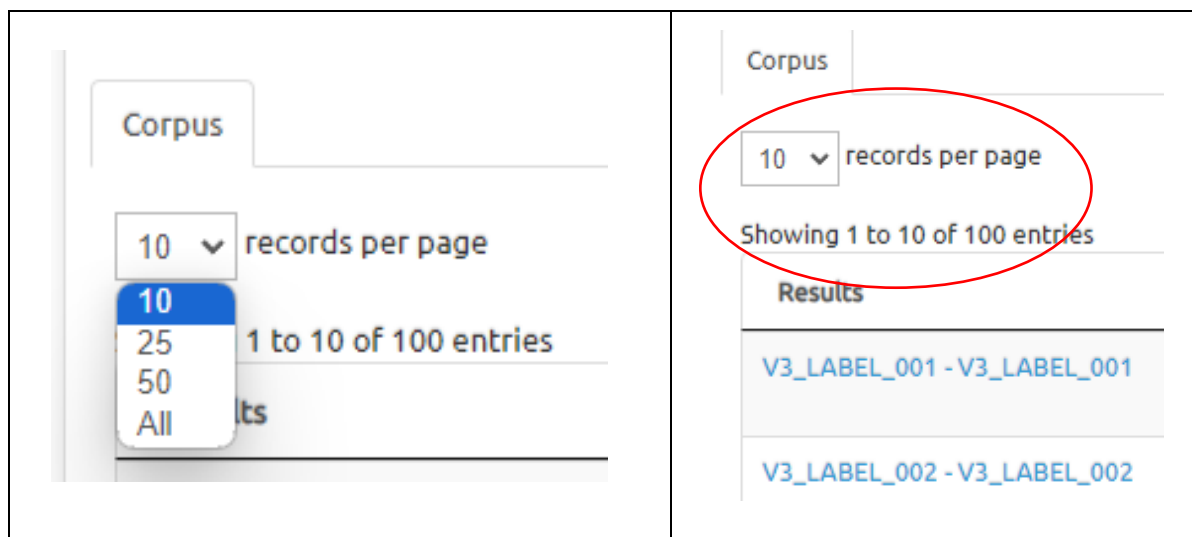
STEP 2: Select a drop-down menu and an option in this menu: very often the choice made will be the first one which repeats the HEADER label and allows the entire set of options for this heading to be searched. Then scroll down and click the 'Start Search' button.



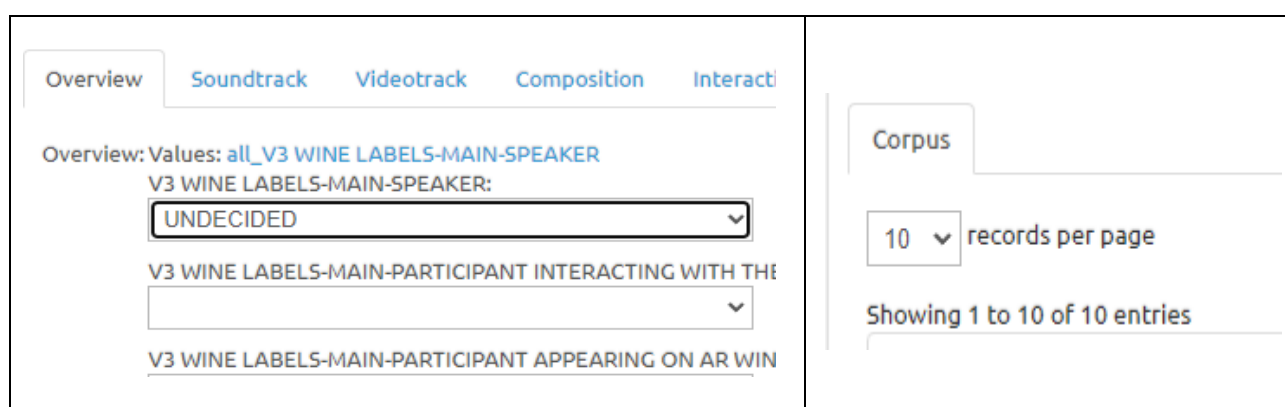
STEP 3: Scroll down until you reach a desired result, e.g. the above example which shows the distribution of videos with internal vs. external scenes. By default, a pie chart is shown but clicking on the 'Bar' icon produces a bar chart. Clicking on the 'Download' buttons exports charts and their legends as \*.png files.

## Part B: Inspecting individual sequences

Individual sequences can be examined to check whether the annotations attributed to a sequence are accurate and complete. This includes checking sequences that have been annotated as OTHER, UNDECIDED or some other label that shows that no precise descriptor could be assigned initially. When the OTHER or UNDECIDED options are selected, the Search system returns the videos so identified making it easier to review the annotation and assign a definitive descriptor. This will in some cases be an entirely new descriptor to be recorded in the Excel file or in the Settings menu for OpenMWS:



STEP 1: Select 'UNDECIDED' from the drop-down menu for the Main Speaker. Then select the 'Start Search' button and scroll down until you reach the 'Corpus' section. In the screenshot shown above, the Corpus has a total of 100 entries but as you can see in the figure below it shows only 10 entries. These are the videos with an UNDECIDED speaker.



Corpus

10

▼

records per page

Showing 1 to 10 of 10 entries

Results

V3\_LABEL\_012 - V3\_LABEL\_012

V3\_LABEL\_032 - V3\_LABEL\_032

V3\_LABEL\_033 - V3\_LABEL\_033

V3\_LABEL\_034 - V3\_LABEL\_034

< Prev Result

Next Result >

LABEL LABEL\_P - V3\_LABEL\_012 -

Time Point:

Time Span:

Item:

V3\_LABEL\_012

Duration:

01:24

Video:

qcoPlvhi\_LL

Augmented Reality for Packaging - S...

Guarda più...

Condividi

Guarda su

YouTube

Oral discourse:

Sounds:

Written discours:

STEP 2: Once this set of results has been obtained, one of the videos can then be selected, e.g. Video No.-2; as you scroll down you will see the video with its annotation and transcription information as shown above.

Overview: Values: F 2017

V3 WINE LABELS-MAIN-SPEAKER:

F

V3 WINE LABELS-MAIN-PARTICIPANT INTERACTING WITH THE

V3 WINE LABELS-MAIN-PARTICIPANT APPEARING ON AR WINE

V3 WINE LABELS - TALKING LABEL:

V3 WINE LABELS-PLACE:

V3 YEAR VIDEO UPLOADED:

2017

Corpus

10

▼

records per page

Showing 1 to 6 of 6 entries

Results

V3\_LABEL\_019 - V3\_LABEL\_019

V3\_LABEL\_025 - V3\_LABEL\_025

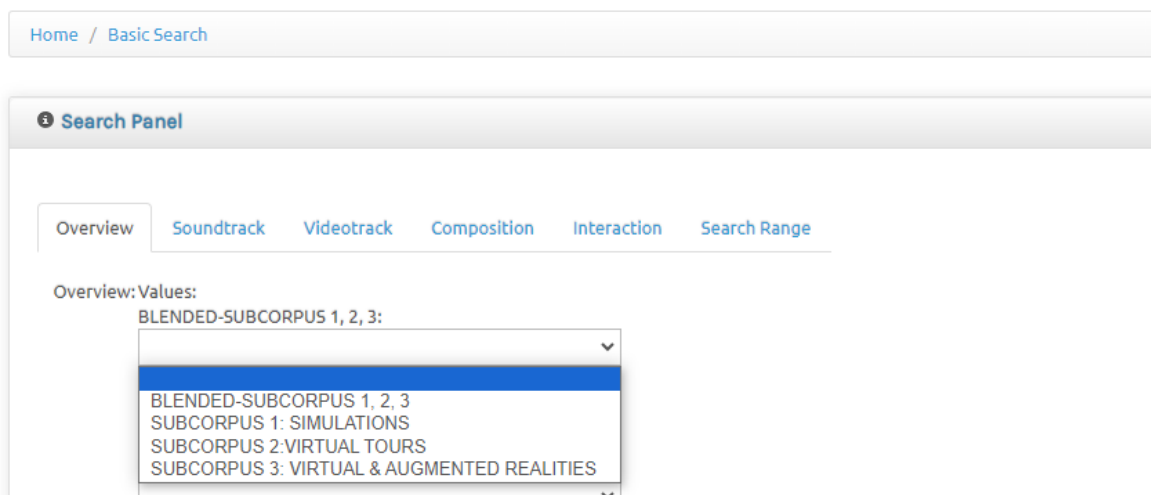
STEP 3: Searches can be relational. This means that you can select two different descriptors from two different drop-down menus to get the results “containing” both those descriptors. Example: Select ‘F’ from the Main Speaker drop down menu and ‘2017’ from the YEAR VIDEO UPLOADED menu, then select ‘Start Search’. Scroll down until you reach the ‘Corpus’ section. In this case, there are 6 results out of the 100 total entries of the corpus with these characteristics. These 6 entries are videos uploaded in 2017 whose main speaker is a woman.

## PART C: Combining corpora when carrying out searches

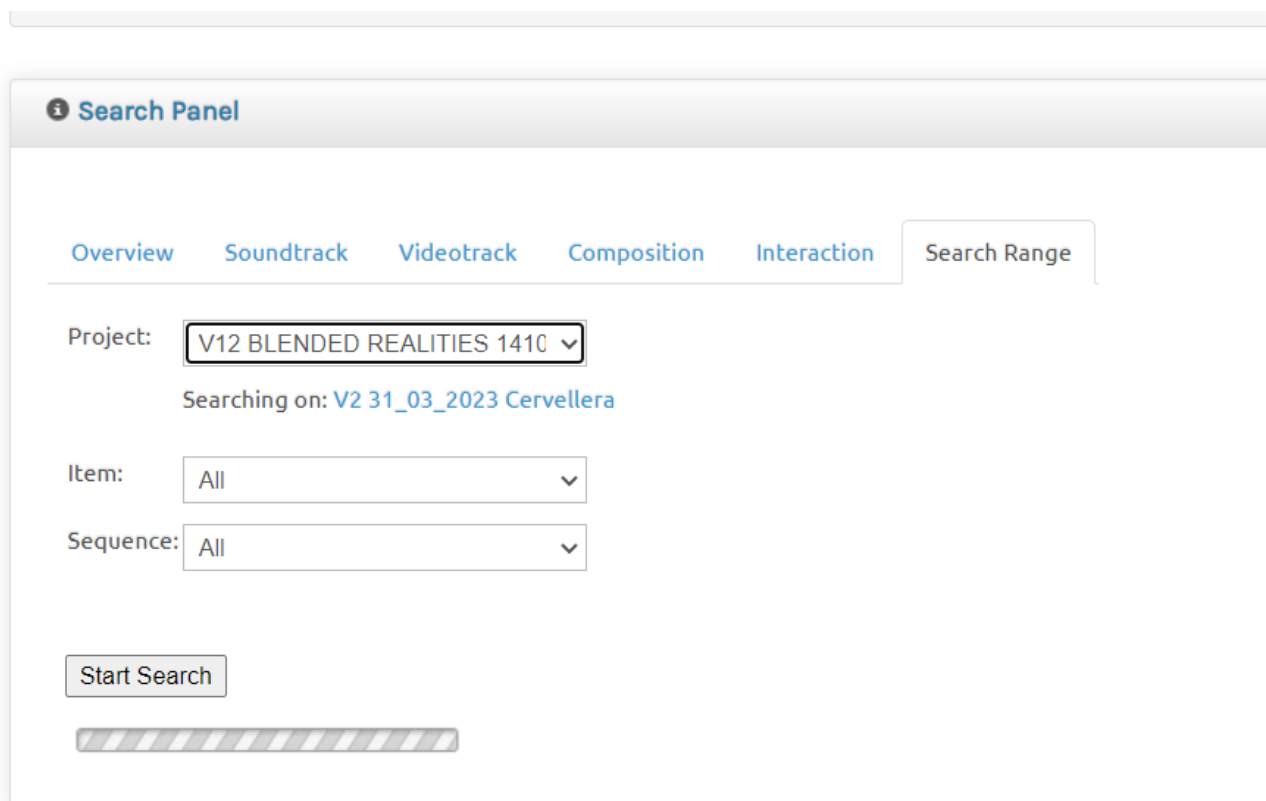
There are two ways in which more than one corpus can be searched at the same time:

Type 1) by combining separate corpora within a single Excel file that can be uploaded and searched in terms of subsections;

Type 2) by using the Search tools to implement searches relating to separate corpora but with partially or fully shared descriptors.



**Example of a Type 1 Combined Search:** Using the procedures shown above, select a corpus to be searched. Where the primary Overview indicates the existence of subcorpora as in the above case, either the whole corpus or one of its sections can be searched. In some cases (not shown here), the Subcorpus label combines two or more subcorpora e.g.- Subcorpus 1 + Subcorpus 2.



**Example of Search Type 2:** Using the procedures shown above select a corpus to be searched from the **Search Range Project Window**. Select any number of individual corpora one at a time, or use ALL to select them all in one go. The screenshot above shows the first subcorpus selected [in blue](#) (in this case V2 31\_03\_2023 Cervellera); it also shows that another corpus (V12 Blended Realities) is in the process of being selected. Again [in blue](#), the screenshot below shows the **two** corpora selected that will be searched jointly for shared properties when the procedures outlined above are followed.

