

Introduction to interactive evidence gap maps using EPPI-Reviewer, EPPI-Mapper and EPPI-Visualiser

**What Works Global Summit
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@misc_nerd



@EPPIsupport



@EPPIReviewer4



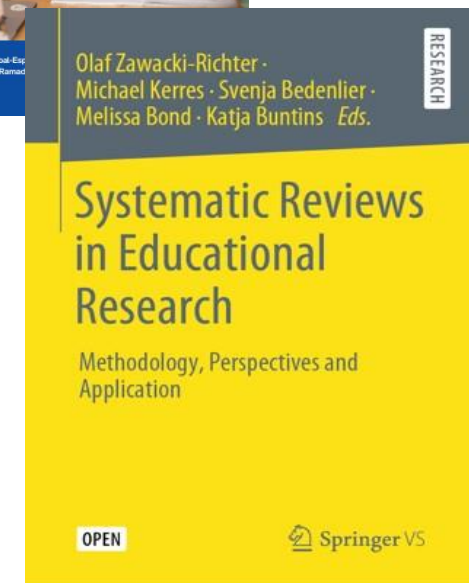
Dr Melissa Bond

Current roles

- Lecturer (Digital Technology Education), University of South Australia
- EPPI-Reviewer Support and Training Officer, UCL
- Visiting Lecturer, University of Oldenburg

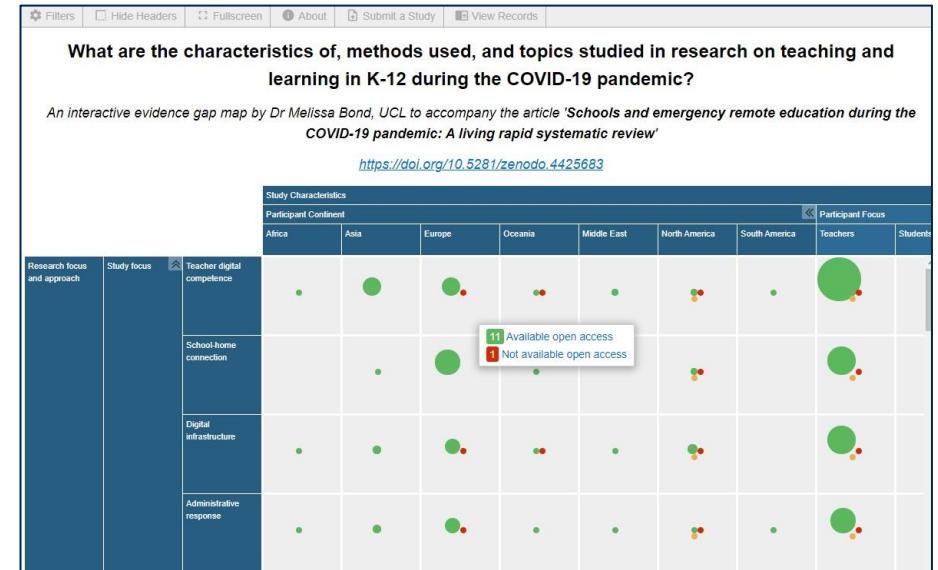
Published reviews

- [Student engagement and educational technology in higher education](#)
- [Student engagement and the flipped learning approach \(K-12\)](#)
- [Artificial Intelligence in Higher Education](#)
- [Systematic Reviews in Educational Research \(co editor\)](#)
- [COVID-19 studies on teaching and learning in K-12 \(rapid review\)](#)
- [COVID-19 studies on teaching and learning in higher education](#)
- [Teaching and learning in secondary schools during COVID-19](#)



Program for today

- What are EPPI-Reviewer, evidence gap maps and EPPI-Mapper?
- Examples of interactive evidence gap maps
- How to design your coding tool within EPPI-Reviewer
- How to create a JSON report
- How to generate a map using EPPI-Mapper
- What is EPPI-Visualiser?
- How to create a web database using EPPI-Visualiser.
- Q & A / Discussion

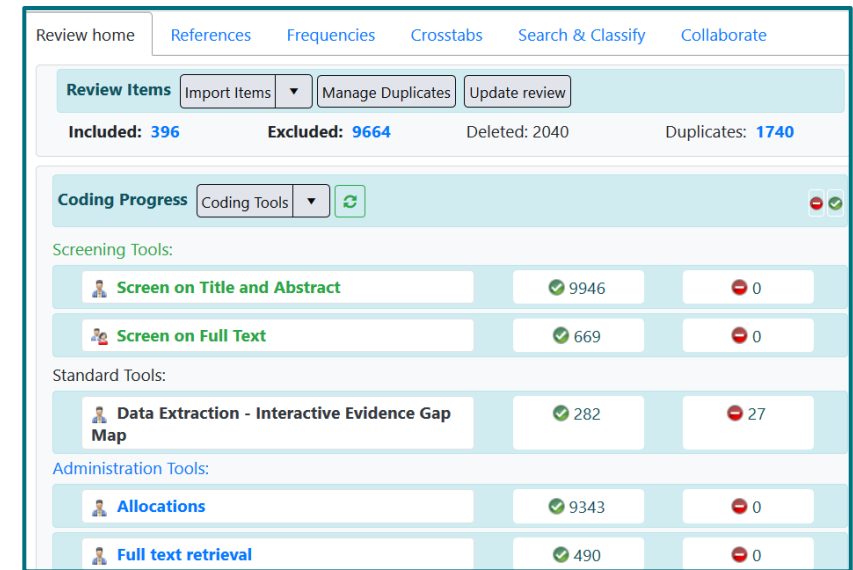


EPPI-Reviewer evidence synthesis software was created to support the **methodological work** conducted at the EPPI-Centre.

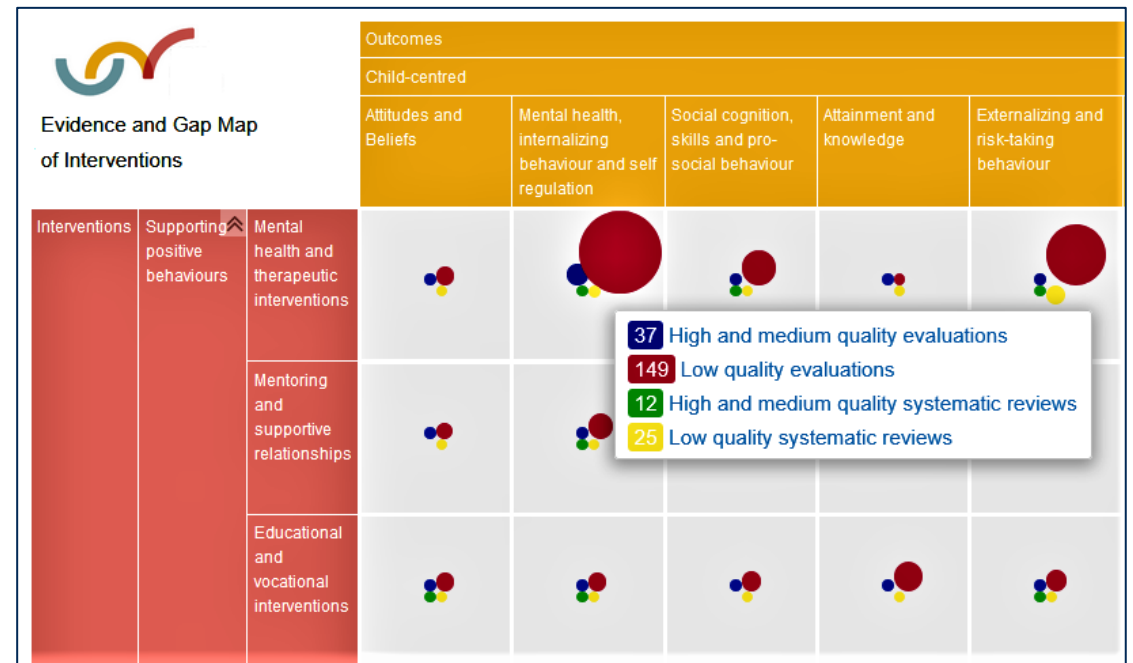
- Web-based - accessed from any device with an internet connection.
- Developed for all types of systematic review.
- Designed for flexibility.

EPPI-Reviewer helps by:

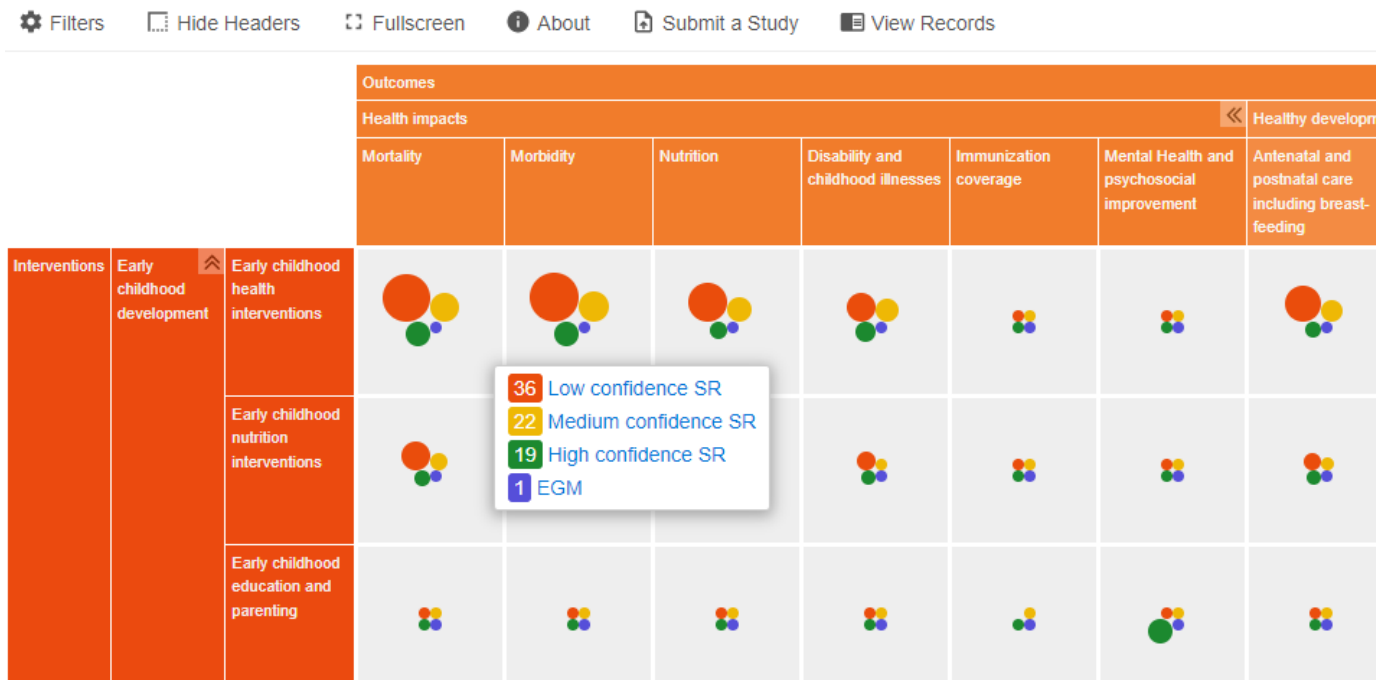
- keeping your review process explicit and replicable
- enabling you to work with many others in one review
- keeping your data in one place
- helping with large screening loads through priority screening
- enabling updates to your review, including through machine learning
- allowing the easy creation of interactive evidence gap maps




- An application to create interactive evidence gap maps (EGMs).
- Developed by the EPPI-Centre in partnership with the Campbell Collaboration.
 - First version was created in early 2018.
- Requires studies to be coded in EPPI-Reviewer.
- Designed for flexibility.
- Has many options for changing the appearance of the map.
- User has full control of branding.
- Exists as a standalone HTML file.



Campbell Mega-map on Child Well-being Interventions in LMIC's is a good example of a map that uses much of the available functionality.




- Outcomes v Interventions.
- Each row and column have sections and subsections.
- Each cross-section is segmented into quality ratings within cells (hover to display)



Office of Research-Innocenti

Mega-Map on Child Well-being Interventions in LMIC's



This Mega-Map provides an overview of global evidence synthesis products related to child wellbeing in low- and middle-income countries. It includes 536 Systematic Reviews and 25 Evidence and Gap Maps. Evidence is mapped against the five goal areas of [UNICEF's Strategic Plan \(2018-2021\)](#). This is a 'living map', updated annually as new evidence emerges.

Accompanying research briefs summarize findings in each goal area: [Every Child Survives and Thrives](#), [Every Child Learns](#), [Every Child is Protected from Violence and Exploitation](#), [Every Child Lives in a Clean and Safe Environment](#) and [Every Child Has an Equitable Chance in Life](#) as well as our [COVID-19 Special Evidence Brief](#). Also available: [report](#), [protocol](#), video, [podcast](#), [news article](#) and blog.

Filters Hide Headers Fullscreen About Submit a Study View Records

Branding and title

Menu



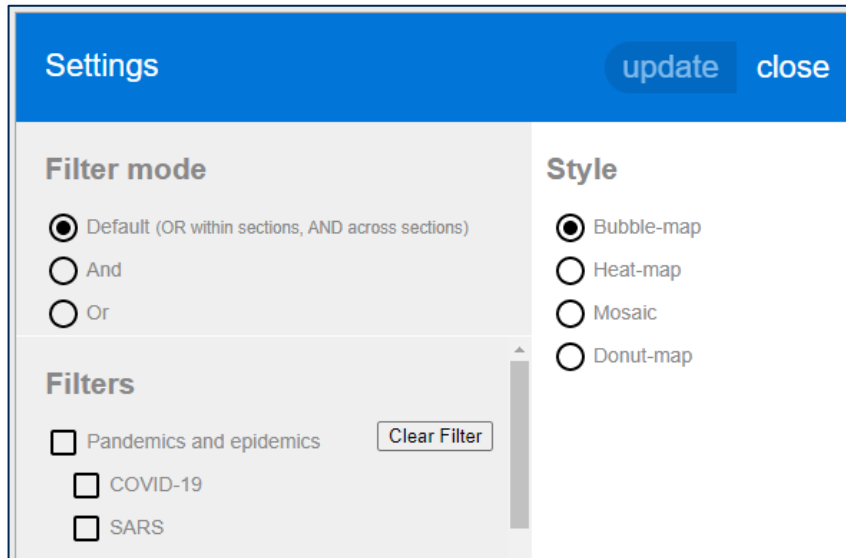
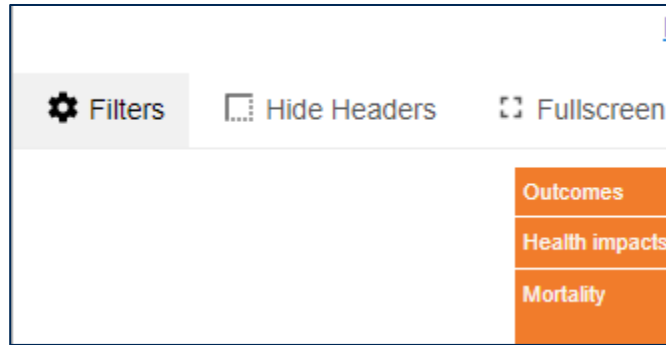
Legend for segments

● Low confidence SR ● Medium confidence SR ● High confidence SR ● EGM

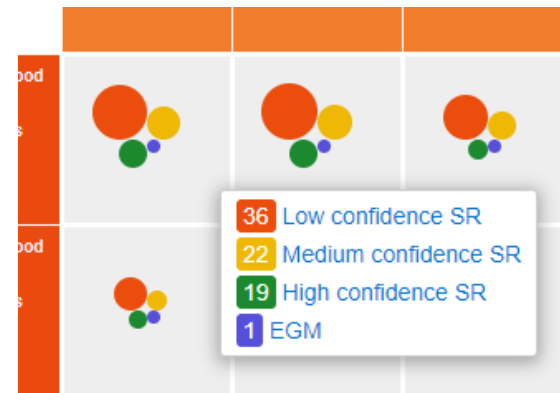
Generated using v.2.1.0 of the EPPI-Mapper powered by [EPPI Reviewer](#) and created with ❤️ by the [Digital Solution Foundry](#) team.

EPPI- Mapper version

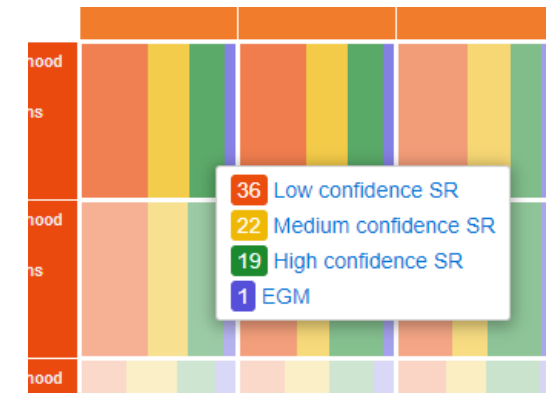
Style can be pre-set or changed.



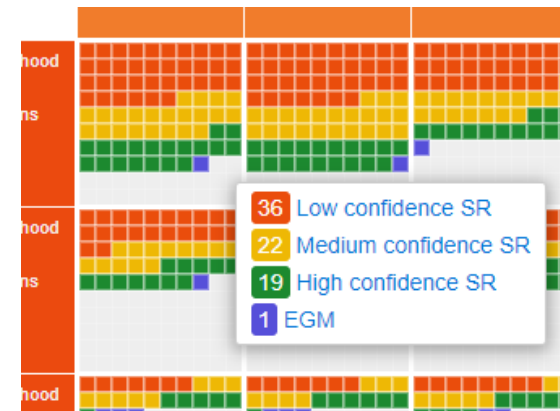
Bubble



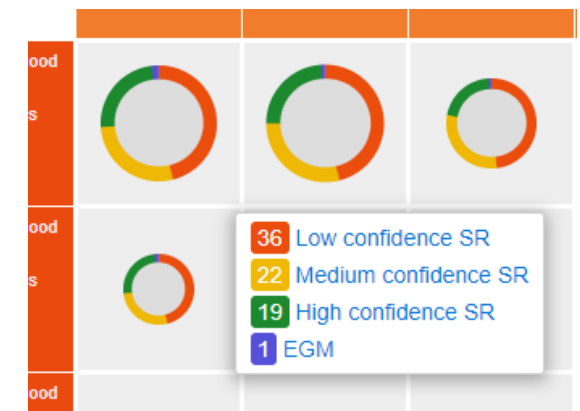
Heat



Mosaic

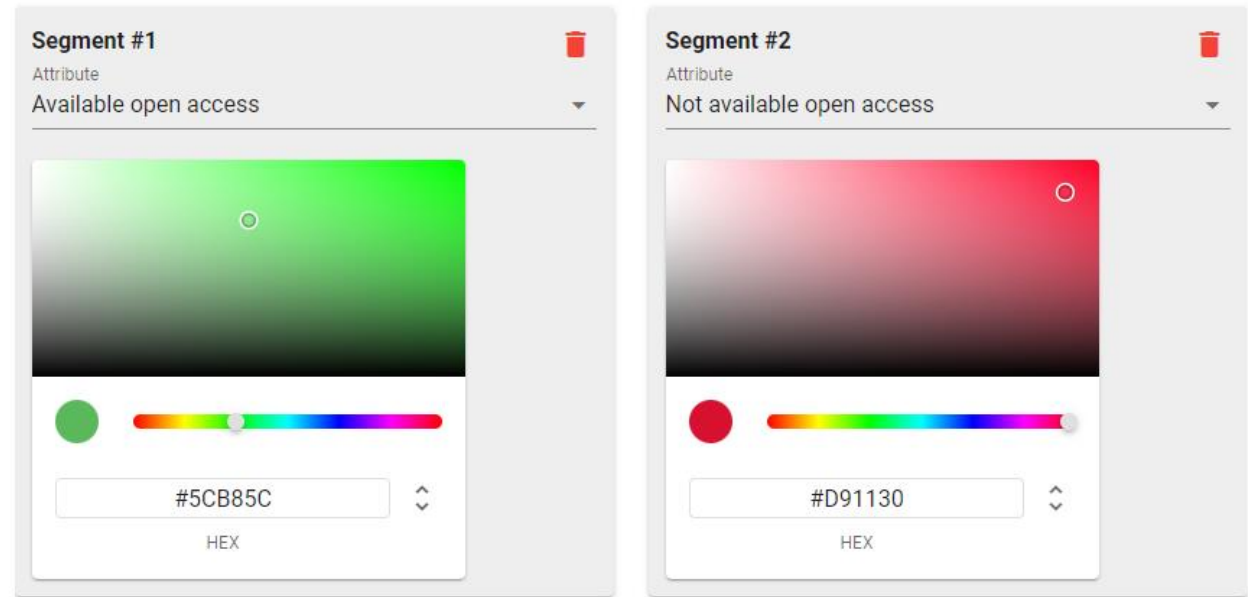


Donut



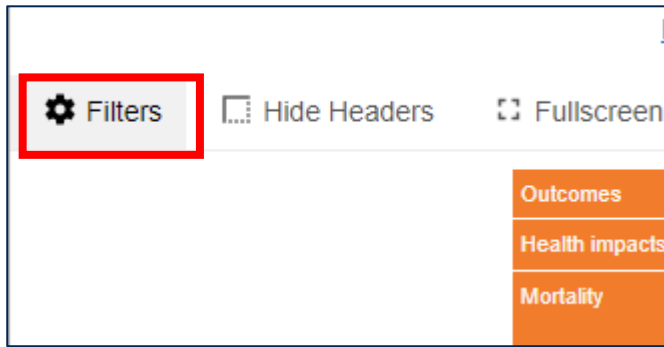
You can choose the colour of:

- ❖ Row headers
- ❖ Column headers
- ❖ Individual cells



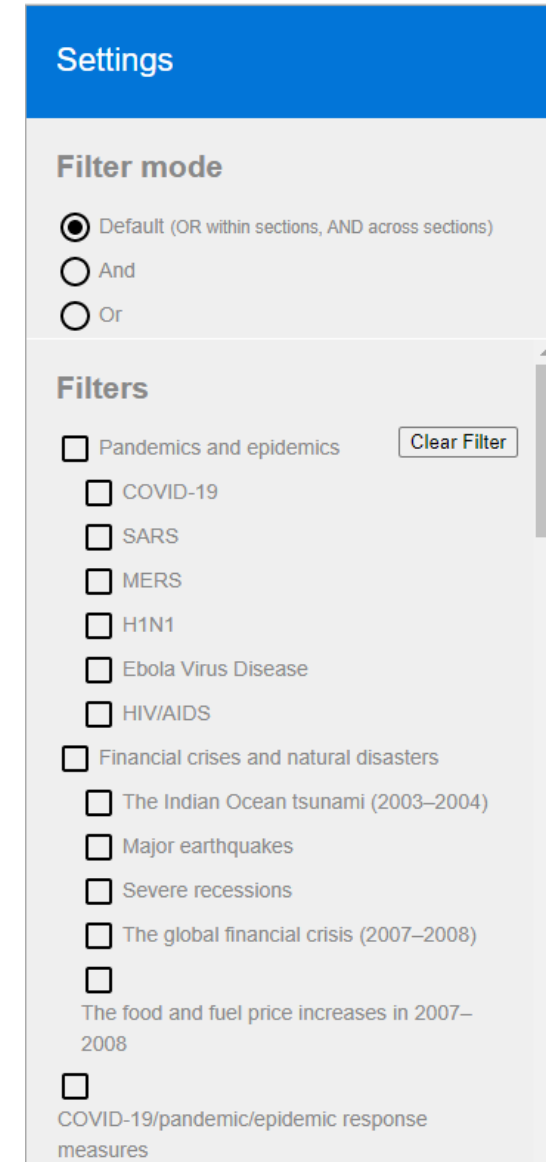
Colours can be selected visually or entered manually in RGB or HSL

- RGB (Red, Green, Blue), e.g. Green: 0,255,00 or #00FF00
- HSL (Hue, Saturation, Lightness), e.g. Green: 120°, 150%, 50%



Map users can filter the studies being displayed

- ❖ **Default** - AND across sections and OR within sections
- ❖ **AND** - all selections
- ❖ **OR** - all selections

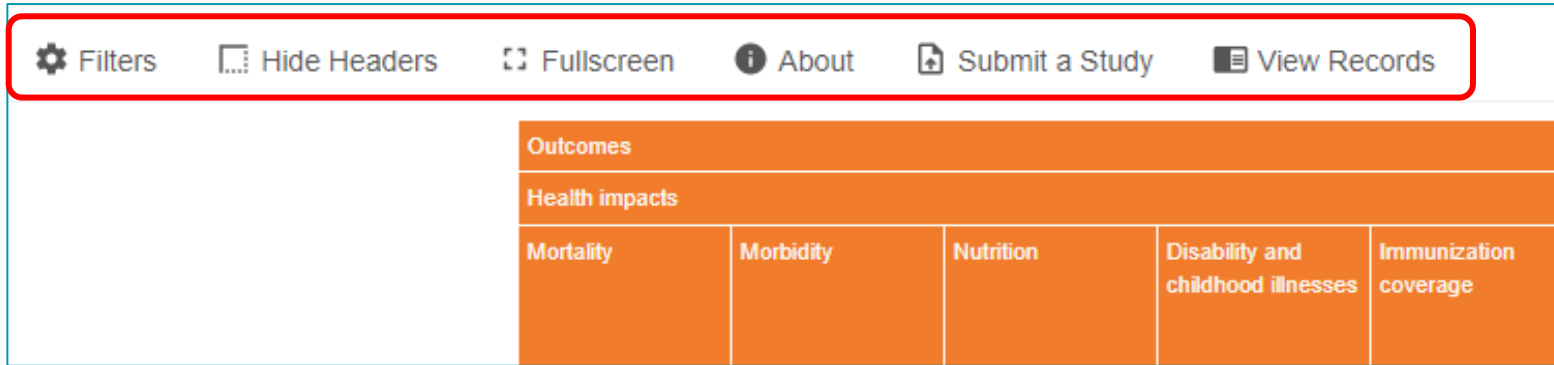


Click on a cell or row / column to open references panel.

- ❖ Codes selected cell on the left can be adjusted.
- ❖ Group by option.
- ❖ Study info on right.
- ❖ Option to filter/search by Title, Author, Date

The screenshot shows a web interface for a research database. At the top, it displays '81 Records' and a 'Filter' button. On the left, there is a sidebar with a 'Clear Filters' button and a list of categories under 'Outcomes', including Mortality (checked), Morbidity, Nutrition, Disability and child..., Immunization cove..., Mental Health and..., Antenatal and post..., Cognitive develop..., Utilization of health..., Gender roles/decis..., Diet and physical a..., Parent reported be..., and Enrolment. The main area shows a list of records with columns for 'Group by' (set to 'None'), 'Sort by' (set to 'Segment'), and a list of record titles and authors. The selected record is '60 million non-facility births: Who can deliver in community settings to reduce intrapartum-related deaths?' by Darmstadt G L; Lee A C; Cousens S... from October, 2009. On the right, a detailed view of this study is shown, including the title, study title, lead author surname (Darmstadt), authors (Gary L. Darmstadt, Anne CC Lee, Simon Cousens, Lynn Sibley, Zulqar A. Bhutta, France Donnay, Dave Osrin, Abhay Bang, Vishwajeet Kumar, Steve N. Wall, Abdullah Baqui, and Joy E. Lawn), and year of publication (2009).

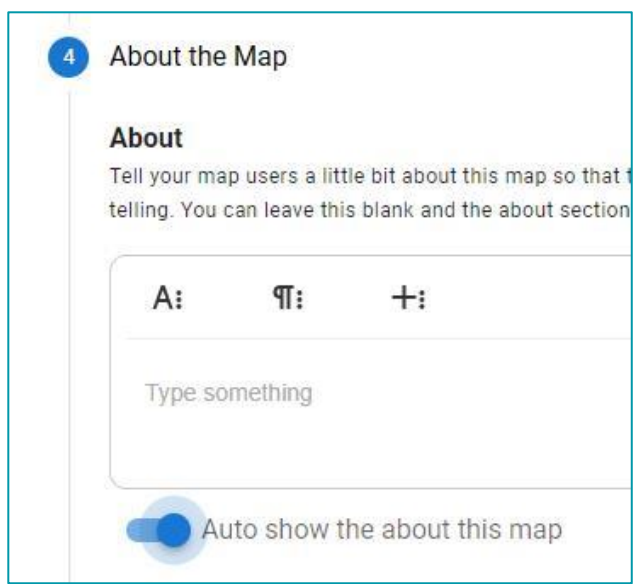
Top menu contains many options



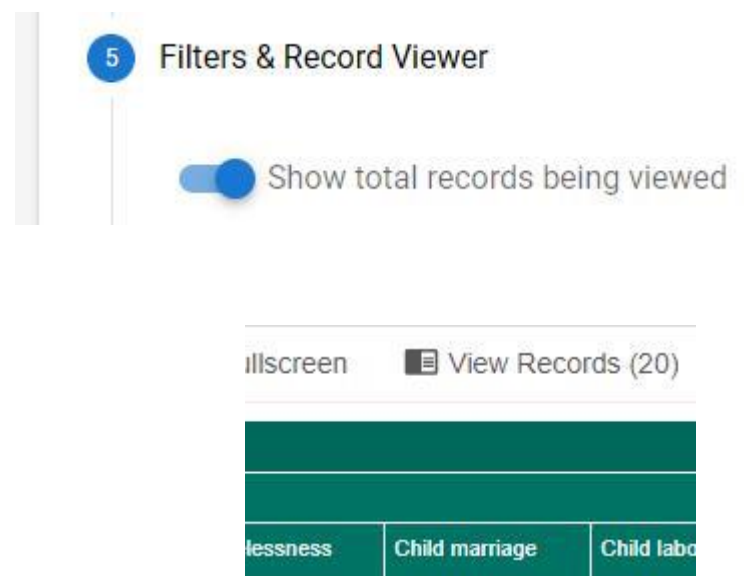
- **Hide Headers** – hides the header area (logos, title, etc.) at top of screen
- **Fullscreen** – makes the browser fill your entire screen
- **About** – panel appears with information about the map (optional)
- **Submit a Study** – panel appears with info on how a map user might contribute to the map (optional)
- **View Records** – all studies in the map will be listed in the documents panel

New features

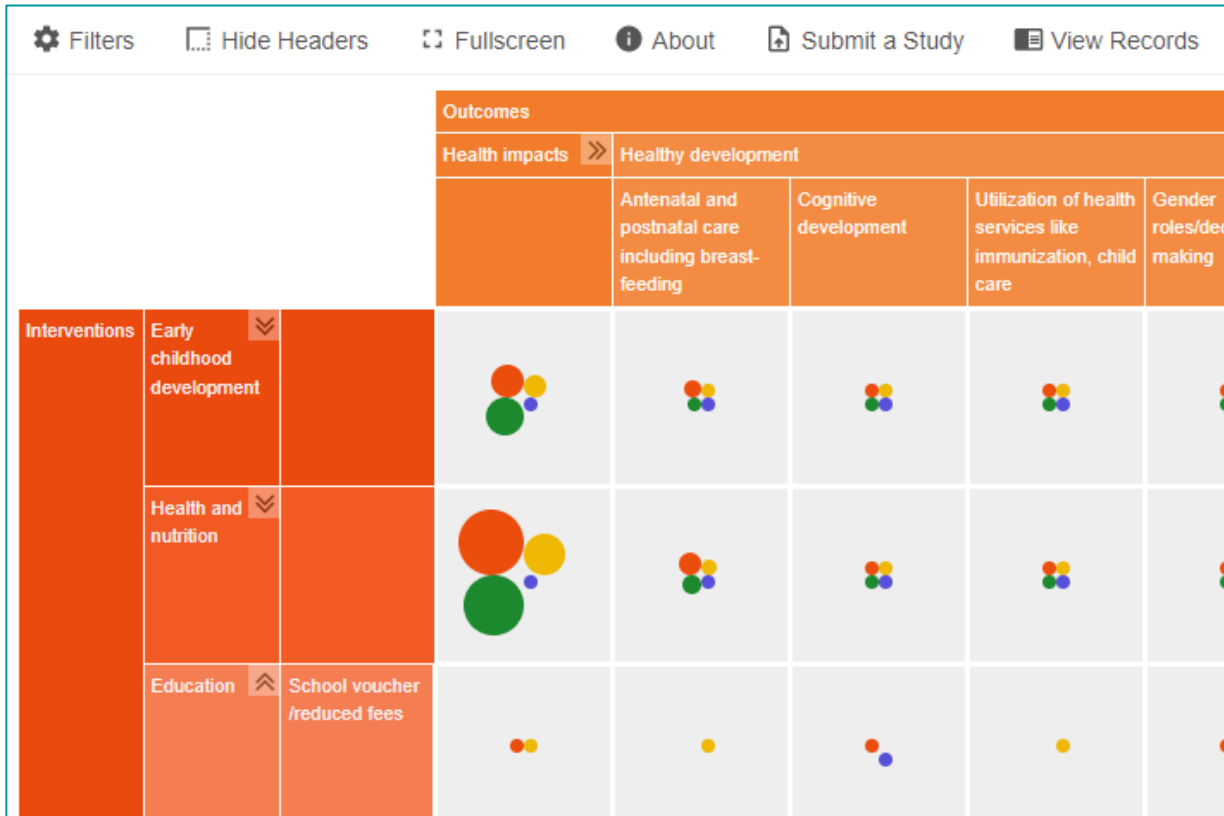
The map can now be set to have the 'About this map' already open



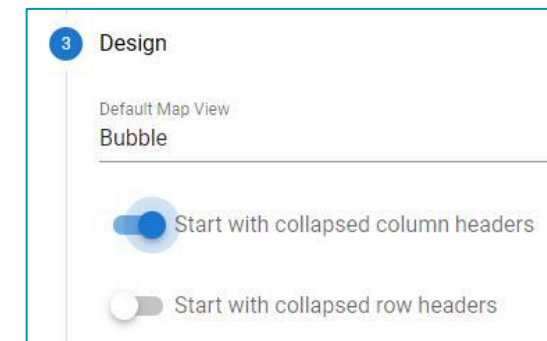
There is now an option to list the number of items in the map in the 'View Records' button.



- You can collapse sections of rows and columns to view more of the map
- Click on the (hover) icon in the row or column section to collapse/expand
- The bubbles will show an aggregate of the collapsed section



- If the map has a lot of rows and columns, you can set either rows and/or columns to open in a collapsed state



2 Pivot Details

Column Attribute
Outcomes

Show column descriptions as tooltips

Row Attribute
Interventions

Show row descriptions as tooltips

You can choose to have the code description text as a hover over

Headers Fullscreen View Records

Outcomes				
Economic impact				Saf
Increased income	Cost benefit	Cost-effectiveness	Formal savings	Chi
School based health interventions	●	●	●	●

Hover tooltip: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod

Topic

Treatment evaluation << Transmission / risk / prevalence << **Diagnosis** << Health impacts << Vaccine

Topic - Diagnosis X

[MeSH](#)

(click to view records)

Links can be embedded into each column

The Records panel has a **Download Listed References** button

The screenshot shows a software interface for managing records. At the top, it displays '81 Records' and a 'Filter' dropdown menu. A red box highlights the 'Download Listed References' button. Below this, there is a 'Clear Filters' button and a list of filter categories on the left, including 'Outcomes', 'Mortality', 'Morbidity', 'Nutrition', 'Disability and child...', 'Immunization cove...', 'Mental Health and ...', 'Antenatal and post...', and 'Cognitive develop...'. The 'Mortality' filter is checked. In the center, there are 'Group by' and 'Sort by' dropdown menus, both set to 'None'. Below these are three record entries, each with a title, authors, and date. The first entry is '60 million non-facility births: Who can deliver in community settings to reduce intrapartum-related deaths?' by Darmstadt G L, Lee A C, Cousens S... from October, 2009. The second is 'A New Look at Care in Pregnancy:...' by Hodgins S, Tielsch J, Rankin K, R... from August, 2016. The third is 'A Systematic Review of Parenting...' by Britto P R, Ponguta L A, Reyes C, K... from 2015. On the right, a detailed view of the first record is shown, including the study title, lead author surname (Darmstadt), and authors (Garv I, Darmstadt, Anne CC, Lee, Simon).

- This is an optional function.
- Clicking button will generate a RIS formatted file of the listed records.
- RIS is a 'standard' format for references that can be used with all reference management software (e.g. EndNote).

EPPI-Reviewer data extraction coding tool structure is important

Author Information			
Author continent			
Africa	Asia	Europe	Middle East
	●	●	
	●	●●	●

❖ Rows and columns can have up to 3 levels.

Data Extraction - Interactive Evidence Gap
Map

- ▶ Publication Details
- ▼ Author Information
 - ▼ Author continent
 - Africa [Info](#)
 - Asia [Info](#)
 - Europe [Info](#)
 - Middle East [Info](#)
 - North America [Info](#)
 - Oceania [Info](#)
 - South and Central America [Info](#)
 - Not stated [Info](#)

Level 1 (non selectable code)

Level 2 (non selectable code)

Level 3 (selectable codes)

❖ Filters can have up to 2 levels.

The screenshot shows the 'Settings' interface. At the top, there is a blue header with the word 'Settings'. Below it, a dropdown menu is set to 'Default'. Under the 'Filters' section, there are several checkboxes for 'Publication language' (English, German, Spanish) and 'Open Access?' (Available open access, Not available open access, Unsure - need to check). A grey overlay window is open, showing a hierarchical tree structure. The root is 'Data Extraction - Interactive Evidence Gap Map'. It has several sub-items: 'Publication Details', 'Author Information', 'Study Characteristics', 'Research Focus and Methodology', 'Type of ed tech', 'Publication language', and 'Open Access?'. The 'Publication language' item is expanded, showing three sub-items: 'English', 'German', and 'Spanish', each with an 'Info' button. Red arrows point from the text 'Level 1 (non selectable code)' to the 'Publication language' item and from 'Level 2 (selectable codes)' to the 'English', 'German', and 'Spanish' sub-items.

Level 1 (non selectable code)

Level 2 (selectable codes)



❖ You can now have up to 6 segmenting codes but they must be two levels only

Level 1 (non selectable code)

Level 2 (selectable codes)

- ▼ Data Extraction - Full review coding
 - ▶ Publication Details
 - ▶ Author Information
 - ▶ Study Characteristics
 - ▶ Research Focus and Methodology
 - ▶ Type of ed tech
 - ▶ Publication language
 - ▶ Open Access?
 - ▼ Study Level of students
 - Undergraduate only
 - Postgraduate only
 - Undergraduate and Postgraduate
 - Unclear
 - No students

Video: https://youtu.be/bGTYqe_ySyA

The screenshot displays the 'Review Home' page of a coding tool. At the top, there are navigation tabs: 'Review home', 'References', 'Reports', 'Search & Classify', and 'Collaborate'. Below these, the 'Review Items' section shows 'Included: 494', 'Excluded: 1', 'Deleted: 179', and 'Duplicates: 179'. The 'Coding Progress' section features a 'Coding Tools' button (highlighted with a red box) and a 'Screening Tools' section with a 'Screening' tool showing 12 successful and 0 failed items. On the right side, there are buttons for 'My Reviews', 'My Work', and 'Sources'. Below these, account information is displayed, including 'Your account expires on: 31 Dec 2022' and 'Current(shared) review expires on: 31 Dec 2022'. At the bottom right, there are buttons for 'Edit Account', 'Edit Review', and 'Create Review'. In the top right corner, the 'Edit Tools' button (highlighted with a red box) is visible next to a dropdown menu 'With this Code' and several utility icons.

1. In the Review Home page, either click on **Coding Tools** or **Edit Tools**.

Video: https://youtu.be/bGTYqe_ySyA

The screenshot shows the 'Review Home' page with a modal dialog for adding a coding tool. The dialog has the following elements:

- Buttons:** 'Import Coding Tool(s)' and 'Add Coding Tool' (highlighted with a red box).
- Message:** 'To Edit a node in the code tree, please select the desired node'.
- Coding Tool Type*:** A dropdown menu currently set to 'Standard'.
- Coding Tool Name*:** An empty text input field with a red error message 'Name is required' below it.
- Data Entry Mode:** Set to 'Normal'.
- Description (optional):** A large empty text area.
- Buttons:** 'Create' (green) and 'Cancel' (grey) at the bottom.

1. In the Review Home page, either click on **Coding Tools** or **Edit Tools**.
2. Click on **Add Coding Tool**.

Video: https://youtu.be/bGTYqe_ySyA

The screenshot shows the 'Review Home' page with navigation tabs: Review home, References, Reports, Search & Classify, and Collaborate. The main content area includes 'Review Items' (Import Items, Manage Duplicates), 'Coding Progress' (Coding Tools), and 'Screening Tools' (Screening). A right sidebar shows 'Edit Tools' and a list of tools: Screening, Screen on on Full Text, Data Extraction Codes (MeI), Allocations and Admin, and COPY - File retrieval. A modal window is open for creating a coding tool, with 'Import Coding Tool(s)' and 'Add Coding Tool' buttons. The modal contains a dropdown for 'Coding Tool Type*' set to 'Standard', a text input for 'Coding Tool Name*' with a 'Name is required' error message, 'Data Entry Mode: Normal', and a 'Description (optional)' field. 'Create' and 'Cancel' buttons are at the bottom.

1. In the Review Home page, either click on **Coding Tools** or **Edit Tools**.
2. Click on **Add Coding Tool**.
3. Leave the tool type as Standard and give the coding tool a name.

Video: https://youtu.be/bGTYqe_ySyA

The screenshot displays the EPPI Reviewer interface. The main dashboard shows 'Review Items' with 494 included, 1 excluded, 179 deleted, and 179 duplicates. The 'Coding Progress' section indicates 12 items are in the 'Screening' tool. A modal window for 'Add Coding Tool' is open, showing a dropdown for 'Coding Tool Type*' set to 'Standard', an empty 'Coding Tool Name*' field with a 'Name is required' error message, 'Data Entry Mode: Normal', and an empty 'Description (optional)' field. The 'Create' button is highlighted in green.

1. In the Review Home page, either click on **Coding Tools** or **Edit Tools**.
2. Click on **Add Coding Tool**.
3. Leave the tool type as Standard and give the coding tool a name.
4. Leave as Normal data entry mode (for Comparison or double coding, you will need to change it).

Video: https://youtu.be/bGTYqe_ySyA

1. In the Review Home page, either click on **Coding Tools** or **Edit Tools**.
2. Click on **Add Coding Tool**.
3. Leave the tool type as Standard and give the coding tool a name.
4. Leave as Normal data entry mode (for Comparison or double coding, you will need to change it).
5. Click **Create**.

Import Coding Tool(s) Add Coding Tool **Edit Coding Tool**

Current code (or set) Name: **Interactive EGM**

Coding Tool Type: Standard.

Locked? YES

Coding Tool Name*
Interactive EGM

Data Entry Mode: Normal **Change**

Description (optional)

Save Cancel **Delete Coding Tool...**

Coding Tool(s) in Review:

- ▶ Screening
- ▶ Screen on on Full Text
- ▶ Data Extraction Codes (M
- ▶ Allocations and Admin
- ▶ COPY - File retrieval
- ▶ Interactive EGM**

1. Once created, to unlock the coding tool and add codes to it, click on the coding tool in the right hand side and click on 'Edit Coding Tool'.

Import Coding Tool(s) Add Coding Tool Edit Coding Tool

Current code (or set) Name: **Interactive EGM**

Coding Tool Type: Standard. Coding Tool Name*
Interactive EGM

Locked? **YES**

Data Entry Mode: Normal **Change**

Description (optional)

Save Cancel **Delete Coding Tool...**

Coding Tool(s) in Review:

- ▶ Screening
- ▶ Screen on on Full Text
- ▶ Data Extraction Codes (M
- ▶ Allocations and Admin
- ▶ COPY - File retrieval
- ▶ Interactive EGM

1. Once created, to unlock the coding tool and add codes to it, click on the coding tool in the right hand side and click on 'Edit Coding Tool'.
2. Click on the YES where it says 'Locked'?

Import Coding Tool(s) Add Coding Tool Edit Coding Tool

Current code (or set) Name: **Interactive EGM**

Coding Tool Type: Standard.

Locked? YES

Coding Tool Name*
Interactive EGM

Data Entry Mode: Normal [Change](#)

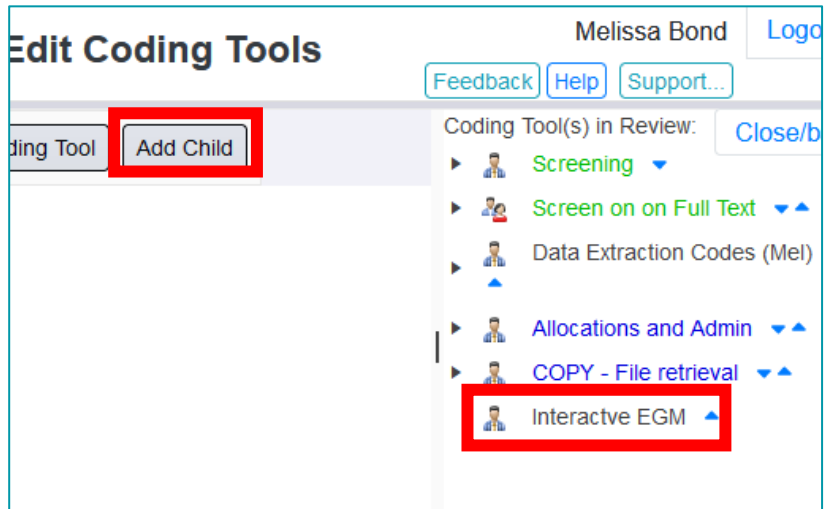
Description (optional)

[Save](#) [Cancel](#) [Delete Coding Tool...](#)

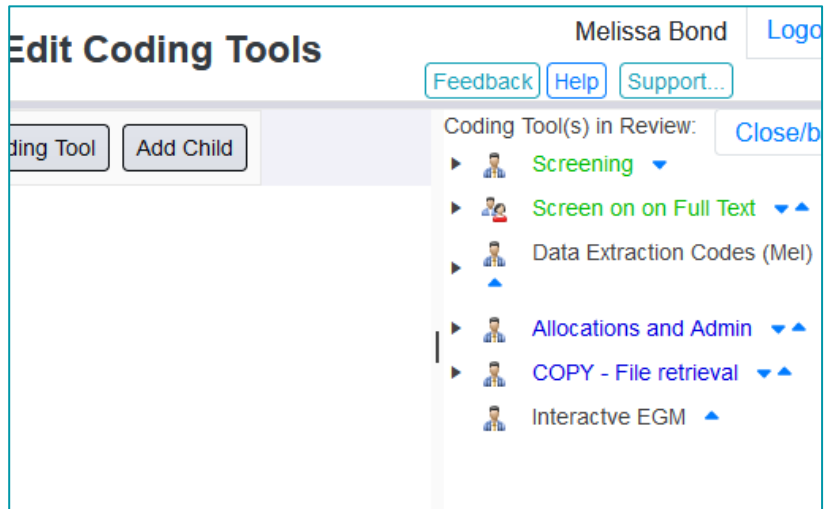
Coding Tool(s) in Review:

- ▶ Screening ▼
- ▶ Screen on on Full Text ▼
- ▶ Data Extraction Codes (M...
- ▶ Allocations and Admin ▼
- ▶ COPY - File retrieval ▼
- Interactive EGM ▲

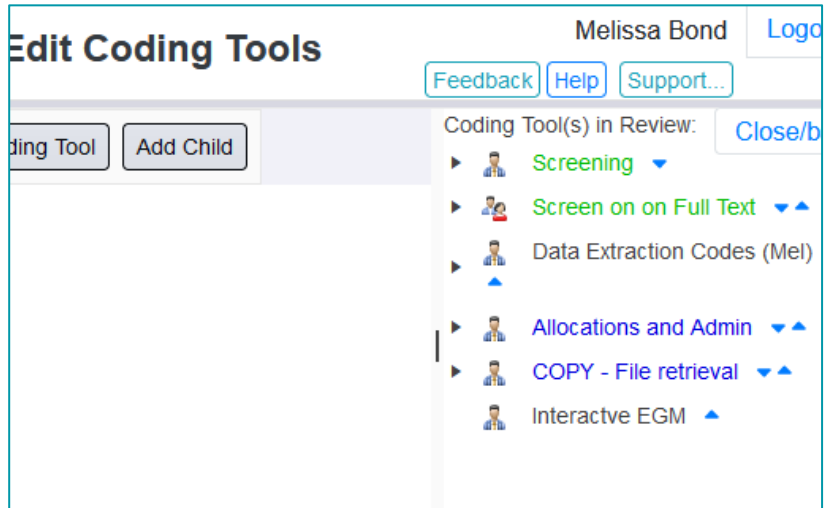
1. Once created, to unlock the coding tool and add codes to it, click on the coding tool in the right hand side and click on 'Edit Coding Tool'.
2. Click on the YES where it says 'Locked'?
3. Click on 'Save'.



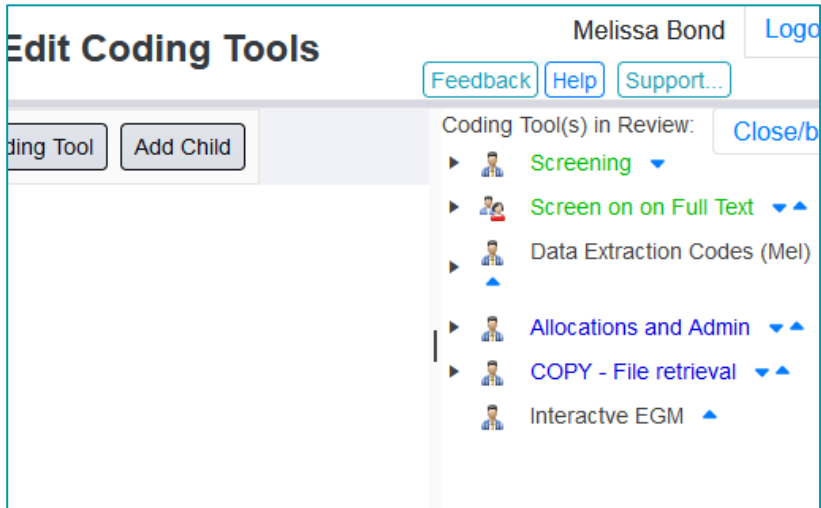
1. Select your new coding tool on the right hand side and click on 'Add Child'.



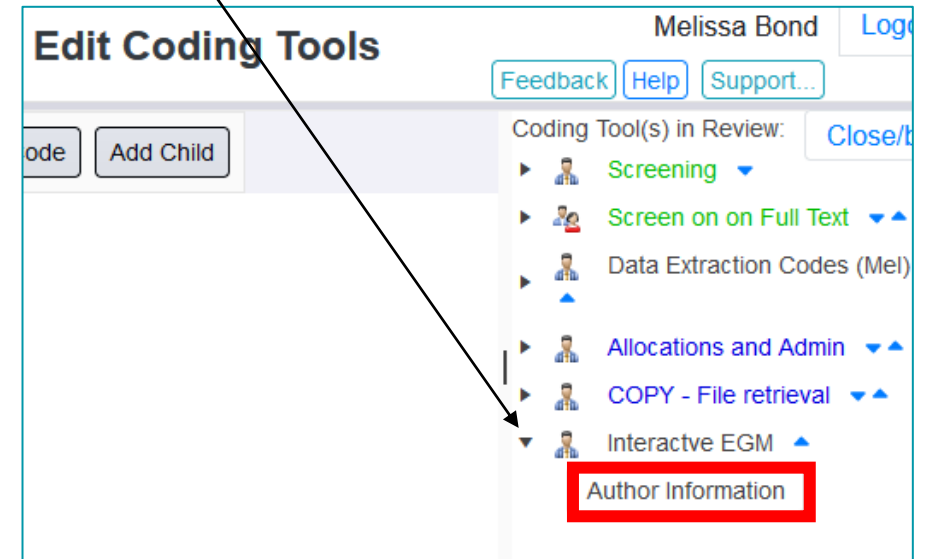
1. Select your new coding tool on the right hand side and click on 'Add Child'.
2. Leave the code type as 'Not selectable (no checkbox)' and type in the parent code name, e.g. Author Information.

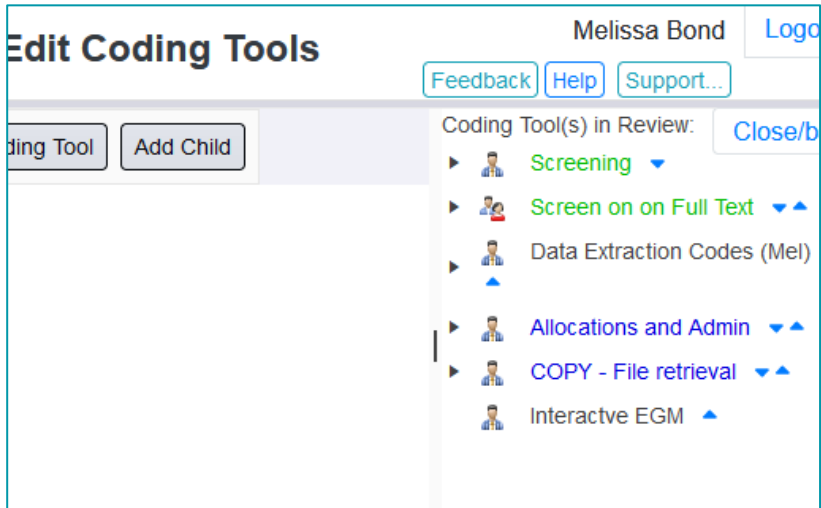


1. Select your new coding tool on the right hand side and click on 'Add Child'.
2. Leave the code type as 'Not selectable (no checkbox)' and type in the parent code name, e.g. Author Information.
3. Click on 'Create'.



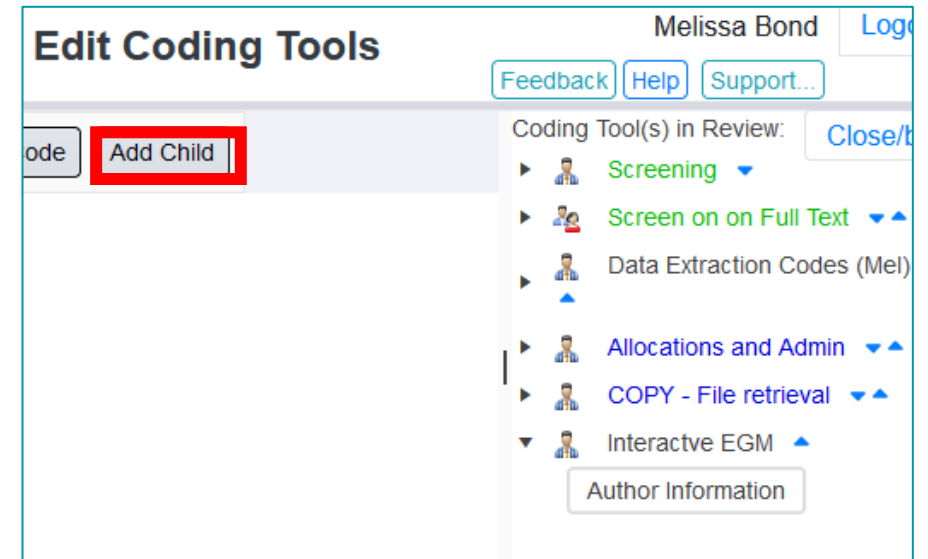
1. Select your new coding tool on the right hand side and click on 'Add Child'.
2. Leave the code type as 'Not selectable (no checkbox)' and type in the parent code name, e.g. Author Information.
3. Click on 'Create'.
4. Expand the coding tool, by clicking on the black arrow, and click on your new parent code.

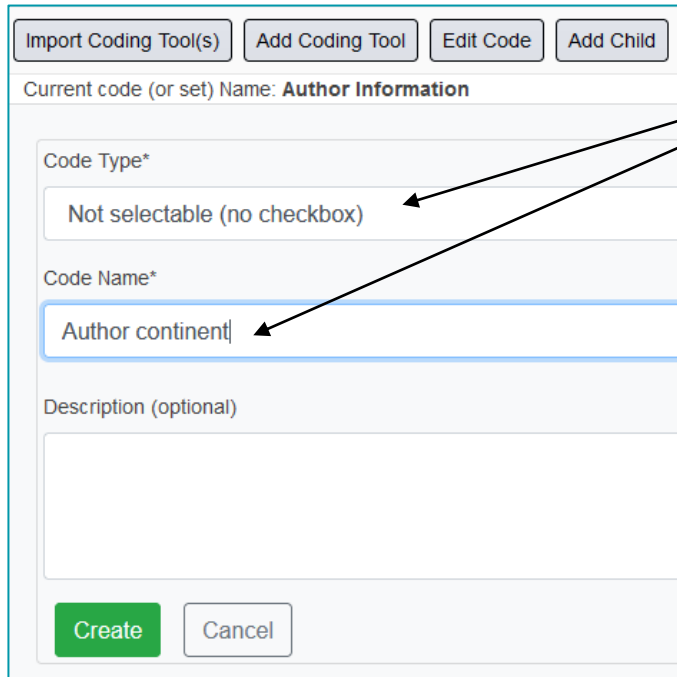




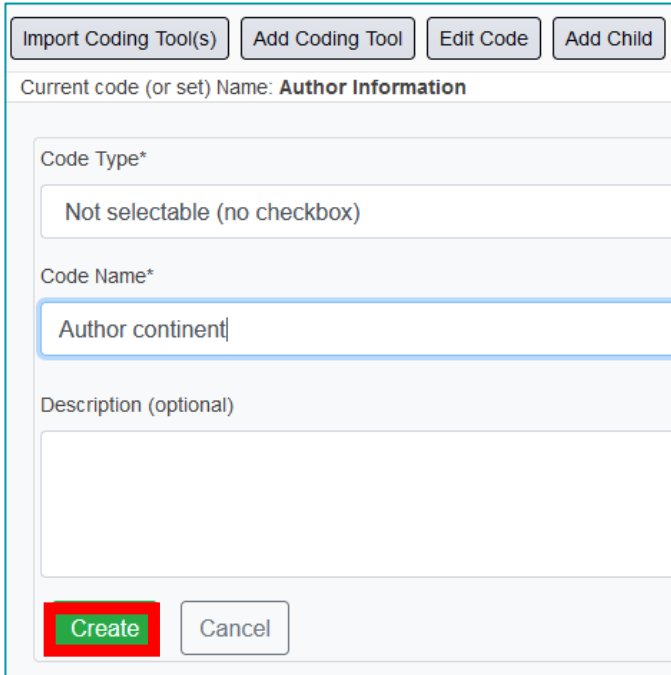
1. Select your new coding tool on the right hand side and click on 'Add Child'.
2. Leave the code type as 'Not selectable (no checkbox)' and type in the parent code name, e.g. Author Information.
3. Click on 'Create'.
4. Expand the coding tool, by clicking on the black arrow, and click on your new parent code.
5. Click 'Add Child'.

The screenshot shows the 'Add Child' form. At the top, there are buttons for 'Import Coding Tool(s)', 'Add Coding Tool', 'Edit Coding Tool', and 'Add Child'. Below these is a field for 'Current code (or set) Name:' with the value 'Interactive EGM'. The form has several sections: 'Code Type*' with a dropdown menu showing 'Not selectable (no checkbox)'; 'Code Name*' with a text input field containing 'Author Information'; and 'Description (optional)' with a large text area. At the bottom, there are 'Create' and 'Cancel' buttons.





1. Leave the code type as 'Not selectable (no checkbox)' and type in the parent code name, e.g. Author Continent.



Import Coding Tool(s) Add Coding Tool Edit Code Add Child
 Current code (or set) Name: **Author Information**
 Code Type*
 Not selectable (no checkbox)
 Code Name*
 Author continent
 Description (optional)
 Create Cancel

1. Leave the code type as 'Not selectable (no checkbox)' and type in the parent code name, e.g. Author Continent.
2. Click on 'Create'.

Import Coding Tool(s) Add Coding Tool Edit Code Add Child

Current code (or set) Name: **Author Information**

Code Type*

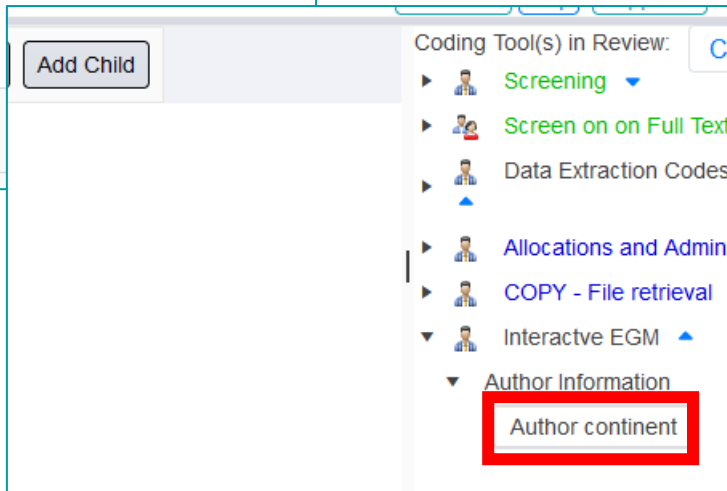
Not selectable (no checkbox)

Code Name*

Author continent

Description (optional)

Create Cancel



1. Leave the code type as 'Not selectable (no checkbox)' and type in the parent code name, e.g. Author Continent.
2. Click on 'Create'.
3. Expand the coding tool, by clicking on the black arrow, and click on your new parent code.

Import Coding Tool(s) Add Coding Tool Edit Code Add Child

Current code (or set) Name: **Author Information**

Code Type*

Not selectable (no checkbox)

Code Name*

Author continent

Description (optional)

Create Cancel

Add Child

Coding Tool(s) in Review:

- ▶ Screening
- ▶ Screen on on Full Text
- ▶ Data Extraction Codes
- ▶ Allocations and Admin
- ▶ COPY - File retrieval
- ▼ Interactive EGM
 - ▼ Author Information
 - Author continent

1. Leave the code type as 'Not selectable (no checkbox)' and type in the parent code name, e.g. Author Continent.
2. Click on 'Create'.
3. Expand the coding tool, by clicking on the black arrow, and click on your new parent code.
4. Click 'Add Child'.

Import Coding Tool(s) Add Coding Tool Edit Code Add Child

Current code (or set) Name: **Author Information**

Code Type*

Not selectable (no checkbox)

Code Name*

Author continent

Description (optional)

Create Cancel

1. Leave the code type as 'Not selectable (no checkbox)' and type in the parent code name, e.g. Author Continent.
2. Click on 'Create'.
3. Expand the coding tool, by clicking on the black arrow, and click on your new parent code.
4. Click 'Add Child'.

Coding Tool(s) in Review:

- ▶ Screening
- ▶ Screen on on Full Text
- ▶ Data Extraction Codes
- ▶ Allocations and Admin
- ▶ COPY - File retrieval
- ▼ Interactive EGM
 - ▼ Author Information
 - Author continent

Add Child

Import Coding Tool(s) Add Coding Tool Edit Code Add Child

Current code (or set) Name: **Author continent**

Code Type*

Selectable (show checkbox)

Code Name*

Asia

Description (optional)

Create Cancel

5. Change the Code Type to 'Selectable (show checkbox)'.

Import Coding Tool(s) Add Coding Tool Edit Code Add Child

Current code (or set) Name: **Author Information**

Code Type*

Not selectable (no checkbox)

Code Name*

Author continent

Description (optional)

Create Cancel

1. Leave the code type as 'Not selectable (no checkbox)' and type in the parent code name, e.g. Author Continent.
2. Click on 'Create'.
3. Expand the coding tool, by clicking on the black arrow, and click on your new parent code.
4. Click 'Add Child'.

Coding Tool(s) in Review:

- ▶ Screening
- ▶ Screen on on Full Text
- ▶ Data Extraction Codes
- ▶ Allocations and Admin
- ▶ COPY - File retrieval
- ▼ Interactive EGM
 - ▼ Author Information
 - Author continent

Add Child

Import Coding Tool(s) Add Coding Tool Edit Code Add Child

Current code (or set) Name: **Author continent**

Code Type*

Selectable (show checkbox)

Code Name*

Asia

Description (optional)

Create Cancel

5. Change the Code Type to 'Selectable (show checkbox)'.
6. Type in the Code Name, e.g. Asia.

Import Coding Tool(s) Add Coding Tool Edit Code Add Child

Current code (or set) Name: **Author Information**

Code Type*

Not selectable (no checkbox)

Code Name*

Author continent

Description (optional)

Create Cancel

1. Leave the code type as 'Not selectable (no checkbox)' and type in the parent code name, e.g. Author Continent.
2. Click on 'Create'.
3. Expand the coding tool, by clicking on the black arrow, and click on your new parent code.
4. Click 'Add Child'.

Coding Tool(s) in Review:

- ▶ Screening
- ▶ Screen on on Full Text
- ▶ Data Extraction Codes
- ▶ Allocations and Admin
- ▶ COPY - File retrieval
- ▼ Interactive EGM
 - ▼ Author Information
 - Author continent

Add Child

Import Coding Tool(s) Add Coding Tool Edit Code Add Child

Current code (or set) Name: **Author continent**

Code Type*

Selectable (show checkbox)

Code Name*

Asia

Description (optional)

Create Cancel

5. Change the Code Type to 'Selectable (show checkbox)'.
6. Type in the Code Name, e.g. Asia.
7. Type in a description (optional).

Import Coding Tool(s) Add Coding Tool Edit Code Add Child

Current code (or set) Name: **Author Information**

Code Type*

Not selectable (no checkbox)

Code Name*

Author continent

Description (optional)

Create Cancel

1. Leave the code type as 'Not selectable (no checkbox)' and type in the parent code name, e.g. Author Continent.
2. Click on 'Create'.
3. Expand the coding tool, by clicking on the black arrow, and click on your new parent code.
4. Click 'Add Child'.

Add Child

Coding Tool(s) in Review:

- Screening
- Screen on on Full Text
- Data Extraction Codes
- Allocations and Admin
- COPY - File retrieval
- Interactive EGM
- Author Information
 - Author continent

Import Coding Tool(s) Add Coding Tool Edit Code Add Child

Current code (or set) Name: **Author continent**

Code Type*

Selectable (show checkbox)

Code Name*

Asia

Description (optional)

Create Cancel

5. Change the Code Type to 'Selectable (show checkbox)'.
6. Type in the Code Name, e.g. Asia.
7. Type in a description (optional).
8. Click on 'Create'.

Once you have finished designing your coding tool, you will need to:

- Import your items
- Manage duplicates
- Code your studies

For information on how to do this, please have a look at our instructional videos or have a look at our past EPPI-Reviewer Web webinars.

- Instructional video on [importing items](#).
- Instructional video on [managing duplicates](#).
- Previous EPPI-Reviewer Web [introductory webinar](#).
- [PowerPoint slides](#) from the previous introductory webinar.

After coding your items within EPPI-Reviewer, you will need to export your data as a JSON file.

The screenshot shows the EPPI-Reviewer interface. At the top, there are navigation tabs: 'Review home', 'References', 'Reports', 'Search & Classify', and 'Collaborate'. Below these, there is a toolbar with buttons for 'Import Items', 'Cluster', 'Coding Report' (highlighted with a red box), a trash icon, 'In/Exclude', 'Export to RIS', and 'Run Reports'. A modal window is open for the 'Coding Report' button, containing a list of checkboxes for report content: 'Screening', 'Screen on on Full Text', 'Data Extraction Codes (Mel)', 'Allocations and Admin', 'COPY - File retrieval', and 'Interactive EGM' (checked). To the right of these checkboxes, there are radio buttons for 'JSON report?' (checked), 'Selected items', 'This Page', and 'This whole list' (selected). Below the radio buttons are three buttons: 'Get Report' (green), 'View/Print', and 'Close'. At the bottom of the interface, there is a pagination bar with 'First', 'Previous', 'Page: 1 of 5', 'Next', 'Last', 'Showing 100 items of 494', 'View Options', and 'Enhanced selection is: On'. Below the pagination bar, there is a search bar with 'Showing Included Items' and three buttons: 'I', 'E', and 'D'. At the bottom, there is a table with columns: 'ID', 'Short title↑', 'Title', and 'Year'. The first row of the table is: '75130581', '[Anonymous] (2020)', 'Pandemic school closures: risks and opportunities', and '2020'. There is a 'GO' button to the left of the first row.

1. Go to the 'References' tab and click on 'Coding Report'.

After coding your items within EPPI-Reviewer, you will need to export your data as a JSON file.

The screenshot shows the EPPI-Reviewer interface. At the top, there are navigation tabs: 'Review home', 'References', 'Reports', 'Search & Classify', and 'Collaborate'. Below these are several action buttons: 'Import Items', 'Cluster', 'Coding Report', 'In/Exclude', 'Export to RIS', and 'Run Reports'. A dialog box is open, showing options for generating a report. On the left, there are checkboxes for 'Screening', 'Screen on on Full Text', 'Data Extraction Codes (Mel)', 'Allocations and Admin', 'COPY - File retrieval', and 'Interactive EGM'. The 'Interactive EGM' checkbox is checked and highlighted with a red box. On the right, there is a 'JSON report?' section with radio buttons for 'Selected items', 'This Page', and 'This whole list'. Below this is a green 'Get Report' button, a 'View/Print' button, and a 'Close' button. At the bottom of the dialog, there is a pagination bar with 'First', 'Previous', 'Page: 1 of 5', 'Next', and 'Last' buttons, along with 'Showing 100 items of 494' and 'View Options'. Below the pagination bar, there is a search bar with 'Showing Included Items' and 'I E D' buttons. At the bottom, there is a table with columns 'ID', 'Short title', 'Title', and 'Year'. The first row shows an ID of 75130581, a short title of '[Anonymous] (2020)', a title of 'Pandemic school closures: risks and opportunities', and a year of 2020.

1. Go to the 'References' tab and click on 'Coding Report'.
2. Choose the coding tool to export.

After coding your items within EPPI-Reviewer, you will need to export your data as a JSON file.

The screenshot shows the EPPI-Reviewer interface. At the top, there are navigation tabs: 'Review home', 'References', 'Reports', 'Search & Classify', and 'Collaborate'. Below these are several action buttons: 'Import Items', 'Cluster', 'Coding Report', 'In/Exclude', 'Export to RIS', and 'Run Reports'. The 'Coding Report' dropdown menu is open, showing options: 'Screening', 'Screen on on Full Text', 'Data Extraction Codes (Mel)', 'Allocations and Admin', 'COPY - File retrieval', and 'Interactive EGM'. A red box highlights the 'JSON report?' checkbox, which is checked. Below this, there are radio buttons for 'Selected items', 'This Page', and 'This whole list' (which is selected). There are also buttons for 'Get Report', 'View/Print', and 'Close'. At the bottom, there is a pagination bar showing 'Page: 1 of 5' and 'Showing 100 items of 494'. Below the pagination bar, there is a search bar and a table of items. The table has columns for 'ID', 'Short title', 'Title', and 'Year'. The first item in the table is: ID: 75130581, Short title: [Anonymous] (2020), Title: Pandemic school closures: risks and opportunities, Year: 2020.

1. Go to the 'References' tab and click on 'Coding Report'.
2. Choose the coding tool to export.
3. Select the 'JSON report?' checkbox.

After coding your items within EPPI-Reviewer, you will need to export your data as a JSON file.

The screenshot shows the EPPI-Reviewer interface. At the top, there are navigation tabs: 'Review home', 'References', 'Reports', 'Search & Classify', and 'Collaborate'. Below these are several buttons: 'Import Items', 'Cluster', 'Coding Report', 'In/Exclude', 'Export to RIS', and 'Run Reports'. A dialog box is open, titled 'Coding Report', with a list of items on the left and options on the right. The 'JSON report?' checkbox is checked. The 'This whole list' radio button is selected. A green 'Get Report' button is highlighted with a red arrow. Below the dialog box, there are navigation buttons: 'First', 'Previous', 'Page: 1 of 5', 'Next', 'Last', 'View Options', and 'Enhanced selection is: On'. A search bar contains 'Showing Included Items'. Below the search bar is a table with columns: 'ID', 'Short title', 'Title', and 'Year'. The first row of the table is highlighted.

ID	Short title	Title	Year
75130581	[Anonymous] (2020)	Pandemic school closures: risks and opportunities	2020

1. Go to the 'References' tab and click on 'Coding Report'.
2. Choose the coding tool to export.
3. Select the 'JSON report?' checkbox.
4. Choose which items to get the report for.

After coding your items within EPPI-Reviewer, you will need to export your data as a JSON file.

The screenshot shows the EPPI-Reviewer interface. At the top, there are navigation tabs: 'Review home', 'References', 'Reports', 'Search & Classify', and 'Collaborate'. Below these are several action buttons: 'Import Items', 'Cluster', 'Coding Report', 'In/Exclude', 'Export to RIS', and 'Run Reports'. A dialog box is open, showing a list of items to be included in the report. The 'JSON report?' checkbox is checked. Below it, there are three radio button options: 'Selected items', 'This Page', and 'This whole list', with 'This whole list' selected. A green 'Get Report' button is highlighted with a red box. Below the dialog box, there are navigation controls for the list of items, including 'First', 'Previous', 'Page: 1 of 5', 'Next', 'Last', 'Showing 100 items of 494', 'View Options', and 'Enhanced selection is: On'. At the bottom, there is a table of items with columns for 'ID', 'Short title', 'Title', and 'Year'. The first item is highlighted with a blue box.

ID	Short title↑	Title	Year
75130581	[Anonymous] (2020)	Pandemic school closures: risks and opportunities	2020

1. Go to the 'References' tab and click on 'Coding Report'.
2. Choose the coding tool to export.
3. Select the 'JSON report?' checkbox.
4. Choose which items to get the report for.
5. Click on 'Get Report'.

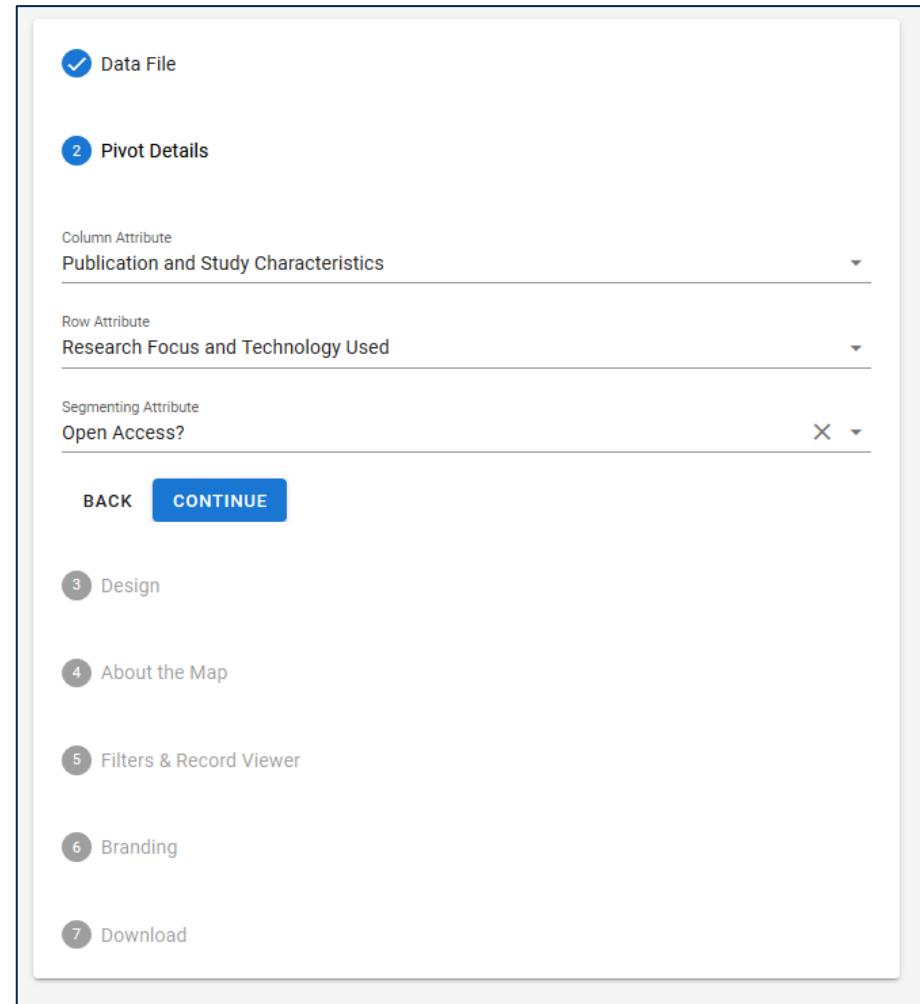
After coding your items within EPPI-Reviewer, you will need to export your data as a JSON file.

The screenshot shows the EPPI-Reviewer interface. At the top, there are navigation tabs: 'Review home', 'References', 'Reports', 'Search & Classify', and 'Collaborate'. Below these are several action buttons: 'Import Items', 'Cluster', 'Coding Report', 'In/Exclude', 'Export to RIS', and 'Run Reports'. The 'Coding Report' dropdown menu is open, showing a list of coding tools: 'Screening', 'Screen on on Full Text', 'Data Extraction Codes (Mel)', 'Allocations and Admin', 'COPY - File retrieval', and 'Interactive EGM' (which is checked). To the right of the list, there are radio buttons for 'JSON report?' (checked), 'Selected items', 'This Page', and 'This whole list'. Below these are three buttons: 'Get Report' (green), 'View/Print' (blue), and 'Close' (light blue). A red arrow points to the 'View/Print' button. At the bottom, there is a pagination bar showing 'Page: 1 of 5' and 'Showing 100 items of 494'. Below the pagination bar is a search bar and a table of items. The table has columns for 'ID', 'Short title', 'Title', and 'Year'. The first row shows an item with ID '75130581', short title '[Anonymous] (2020)', title 'Pandemic school closures: risks and opportunities', and year '2020'.

1. Go to the 'References' tab and click on 'Coding Report'.
2. Choose the coding tool to export.
3. Select the 'JSON report?' checkbox.
4. Choose which items to get the report for.
5. Click on 'Get Report'.
6. Click on the save icon and save to your device.

<http://eppimapper.digitalsolutionfoundry.co.za/>

- Free for all
- Uses EPPI-Reviewer data (JSON report) or a converted EndNote RIS file
- Simple, easy to use wizard
- Add further links, graphics and videos
- Include information for how others can submit to your review
- Download and share



The screenshot shows a multi-step wizard interface for the EPPI-Mapper application. The steps are:

1. Data File (Completed, indicated by a checkmark)
2. Pivot Details (Current step, indicated by a blue circle with the number 2)
 - Column Attribute: Publication and Study Characteristics (dropdown menu)
 - Row Attribute: Research Focus and Technology Used (dropdown menu)
 - Segmenting Attribute: Open Access? (dropdown menu with a close button 'x')
3. Design
4. About the Map
5. Filters & Record Viewer
6. Branding
7. Download

Navigation buttons: BACK (text) and CONTINUE (blue button).

EPPI-Mapper
For more details and help see [here](#).

1 Data File

Drop data file here or click.
Only one .json or .ris file allowed.
No file selected

Drop the map template file here or click.
Only one .json file allowed.
No file selected

CONTINUE

2 Pivot Details
3 Design
4 About the Map
5 Filters & Record Viewer
6 Branding
7 Download

Step 1

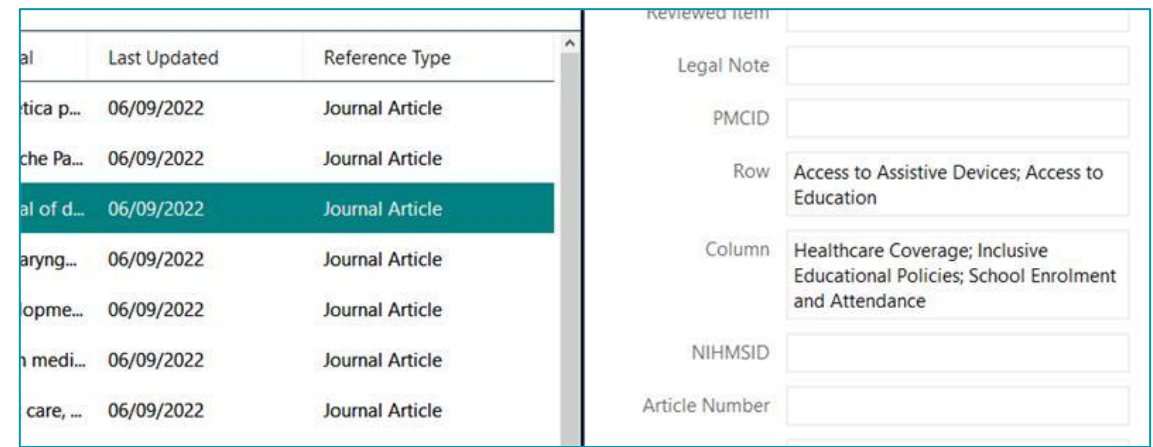
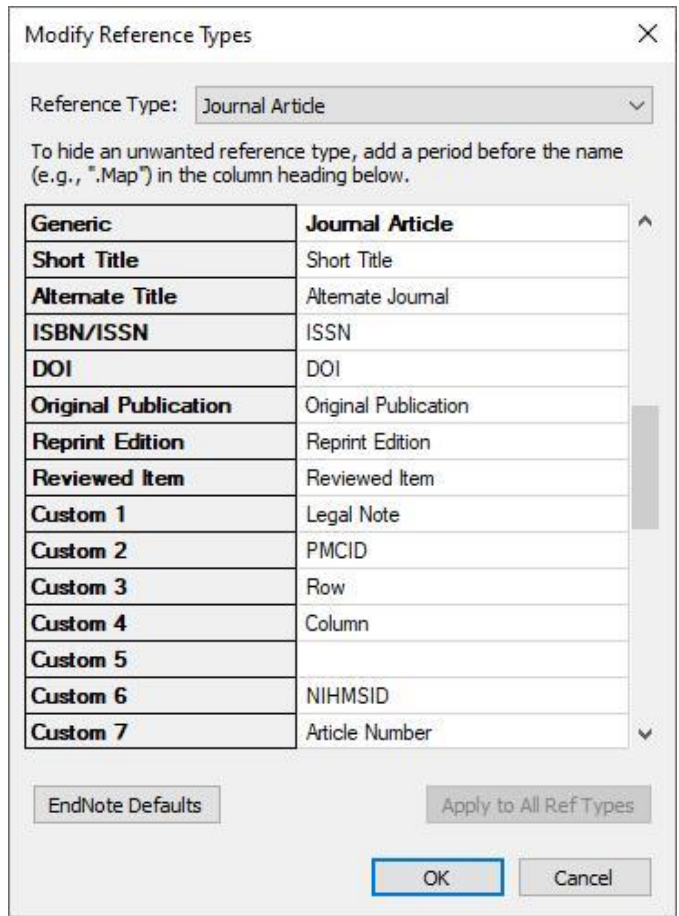
Upload your JSON file.

➤ This file contains your mapping data

- EPPI-Mapper can be found at <http://eppimapper.digitalsolutionfoundry.co.za/#/>
- In this example I am using a JSON file of a mapping study on higher education during the pandemic.

You can now use a RIS file from EndNote to generate a map, if you don't have access to EPPI-Reviewer.

- In EndNote, you need to add a Row and Column field to your publication type, matched to C3 and C4.
- Then, add the codes specific to the item in the Row and Column fields – these will make up the codes you see in the row and column in the map.



- Then, export the references using a special output style (available soon).

2 Pivot Details

Column Attribute
Study Characteristics ▼

Show column descriptions as tooltips

Row Attribute
Type of ed tech ▼

Show row descriptions as tooltips

Segmenting Attribute
Open Access? ✕ ▼

BACK
CONTINUE

Step 2

Select the Column and Row data.

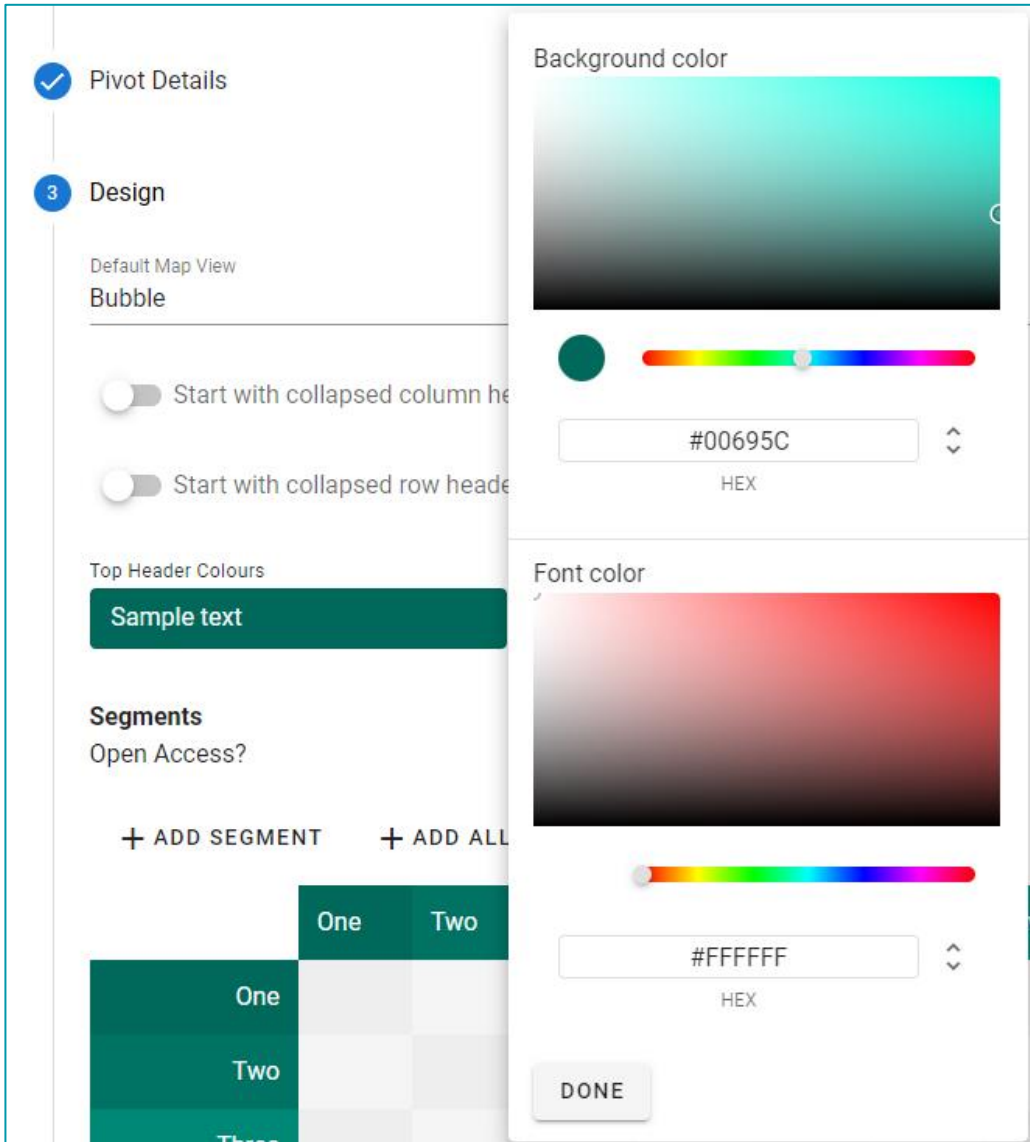
Select bubble data (Segmenting Attribute).

- The dropdown menus will be automatically populated based on the data found in the JSON file.
- Depending on your data, you might only have one choice in the Segmenting (bubble) attribute menu, or none at all.

Step 3

Choose the map appearance.

- Choose the default style
- Start with collapsed headers and rows?
- Colours for the rows and columns



Segments

Open Access?

+ ADD SEGMENT

+ ADD ALL CHILDREN

	One	Two	Three	Four	Five	Six	Seven	Eight	Nine	Ten
One										
Two										
Three										
Four										
Five										
Six										
Seven										

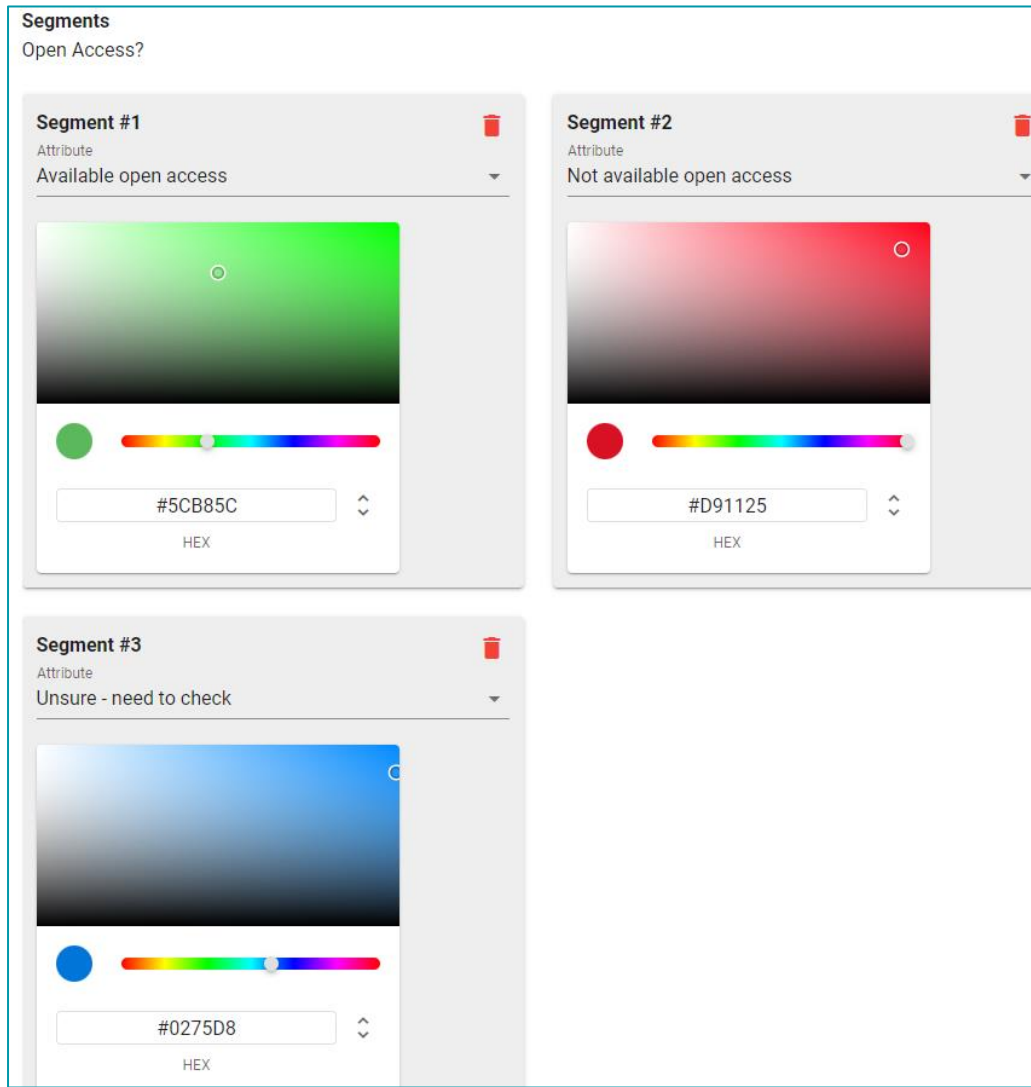
BACK

CONTINUE

Step 3 (cont.)

Choose bubble codes.

- The child codes of the selected segment will be displayed.
- You can manually select the codes (up to 6) or have the utility select the first 6 listed (Add all children).



Step 3 (cont.)

Choose bubble colours.

- You can visually select the colours or manually enter values
- RGB (hex and digital)
- HSL
- Recording values is useful if you need to generated an updated map in the future (but you can export a template of your map)

	One	Two	Three	Four	Five	Six	Seven	Eight	Nine	Ten
One			●●●		●●●				●●●	
Two			●●●					●●●		
Three		●●●	●●●	●●●						●●●
Four				●●●					●●●	
Five	●●●	●●●							●●●	
Six							●●●	●●●	●●●	●●●
Seven					●●●	●●●				●●●

BACK CONTINUE

Step 3 (cont.)

Preview

- Before clicking continue, you get a preview of the colours you have selected.
- At any point in the process, you can click 'Back' to change any of your previous selections.

4 About the Map

About

Tell your map users a little bit about this map so that they have more context around what it is and what story it is telling. You can leave this blank and the about section will not show up on the map.

B *i* **A:** [List Bulleted] [List Numbered] [List Disclosed] [Link] [Image] [+]

Type something

Auto show the about this map

Submitting Studies

If you would like studies submitted to this map, explain here how that should be done.

B *i* **A:** [List Bulleted] [List Numbered] [List Disclosed] [Link] [Image] [+]

Type something

BACK

CONTINUE

Step 4

Add the **About** and **Submitting Studies** text

- These are optional and will not appear in the menu if left blank.
- The editors are very powerful and will be covered in Step 6.

5 Filters & Record Viewer

Show total records being viewed

Allow records to be downloaded in RIS format

Filter Attributes

Study Level of students, Open Access?, Publication language

Select all the properties you would like to be able to filter by.

Start with filter open

Select Record Fields

Select all the properties you want to show in the record viewer.

Remove abstracts

BACK

CONTINUE

Step 5

Set **show total records** option.

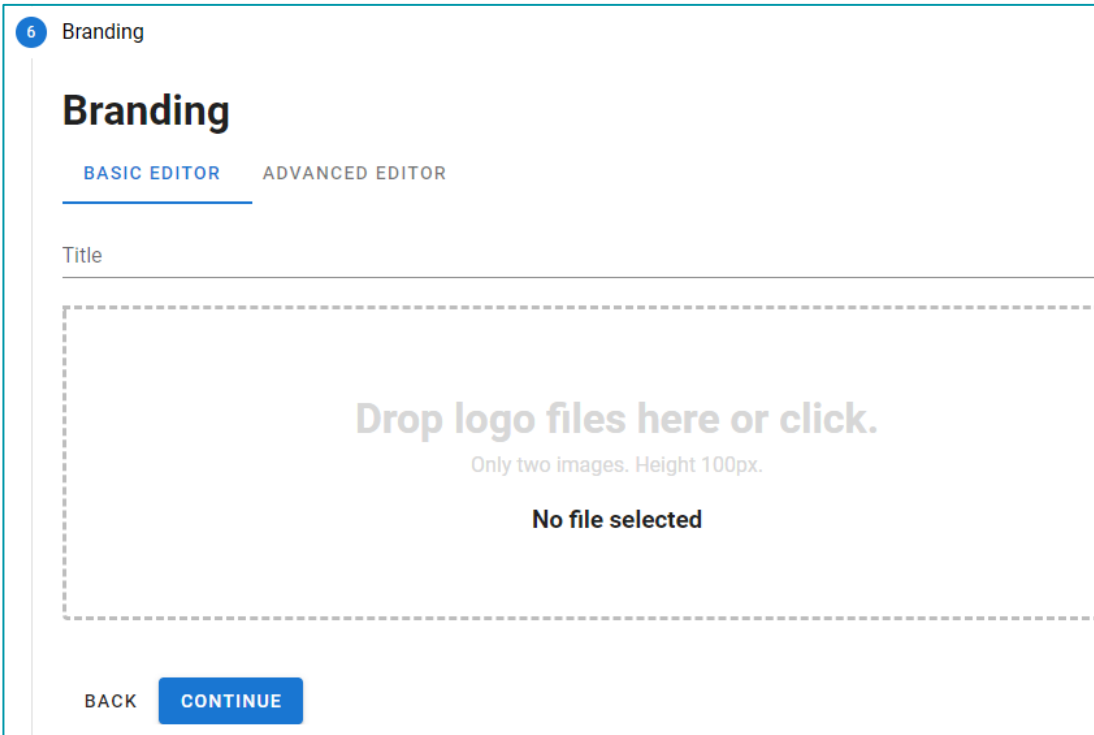
Set the **export records** option.

Select the **filters** to display.

➤ Start with filter open?

Select the **citation fields** to display.

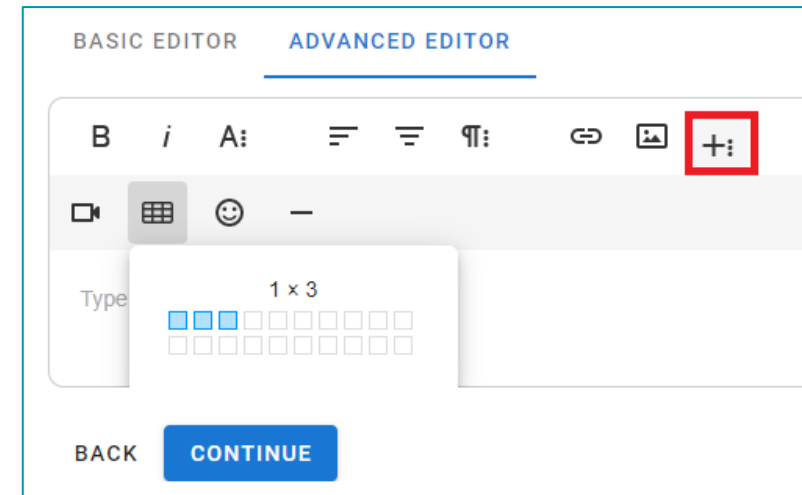
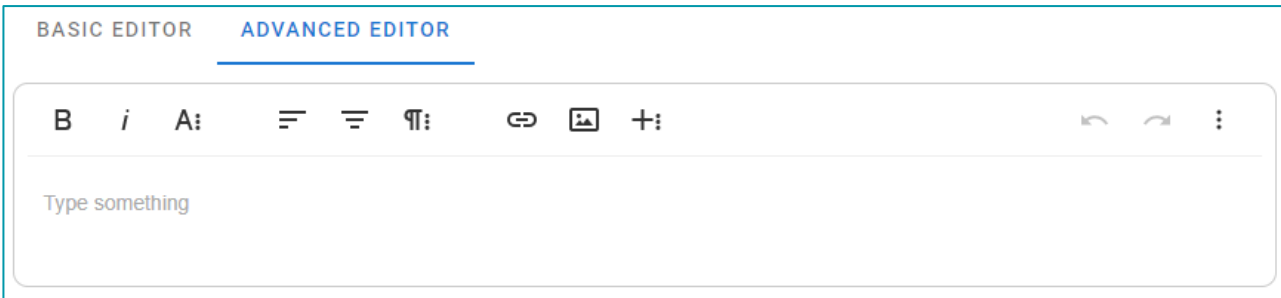
- **Important:** Filters will be displayed in the order they are selected.
- Citation fields will be displayed in the order they are selected.
- **Remove abstracts** option hides the abstract in the citation.

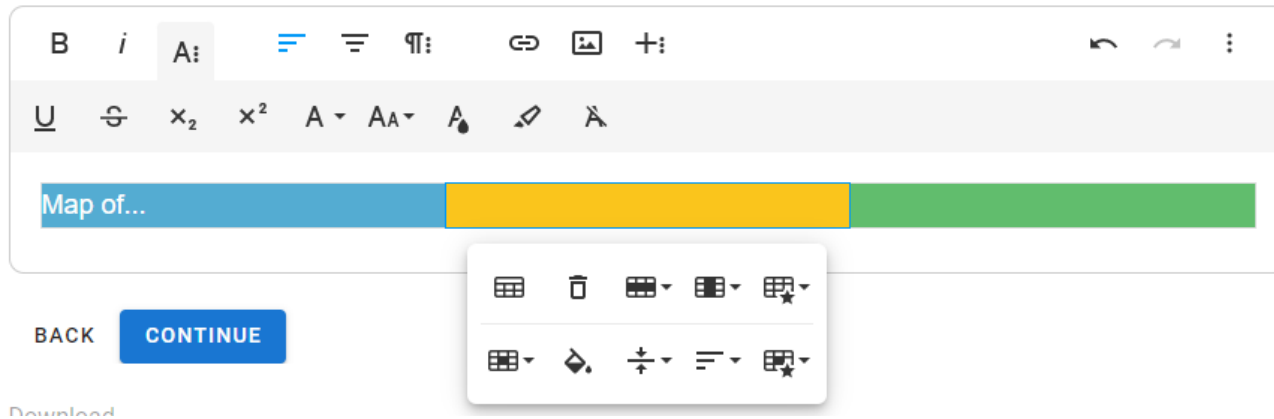


Step 6

Branding

- Appears at the top of your EGM.
- Choose between basic or advanced editor
- Creating a table in the header will allow you to arrange text and images.
- Insert images.

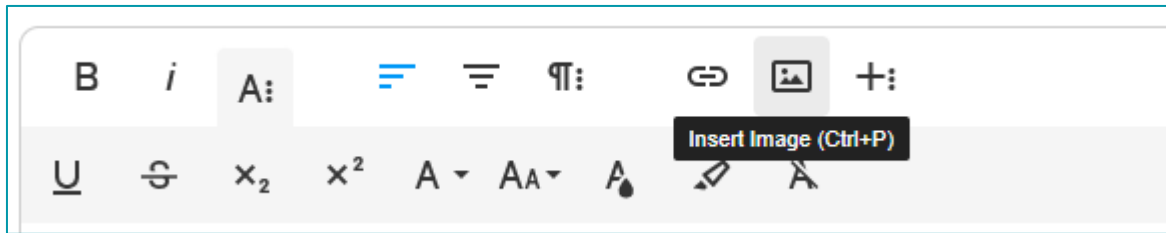




Step 6 (cont.)

Branding

- Use different fonts, font size, font colours.
- Change cell backgrounds.
- Add images, animated gifs, videos.
- Almost anything is possible!



7 Download

Download

I want to host the report on a website online.

You can download your report below. Once downloaded you can use it anywhere, no internet needed.

BACK

DOWNLOAD

DOWNLOAD MAP TEMPLATE

Step 7

Download

- Click Download to generate and download the map file (as a HTML file).
- The map file can be used anywhere, no internet needed.
- The **host online** option will optimise the map, but that map will then need an internet connection.
- You can either upload your map to your own CMS, or we can host it on ours.

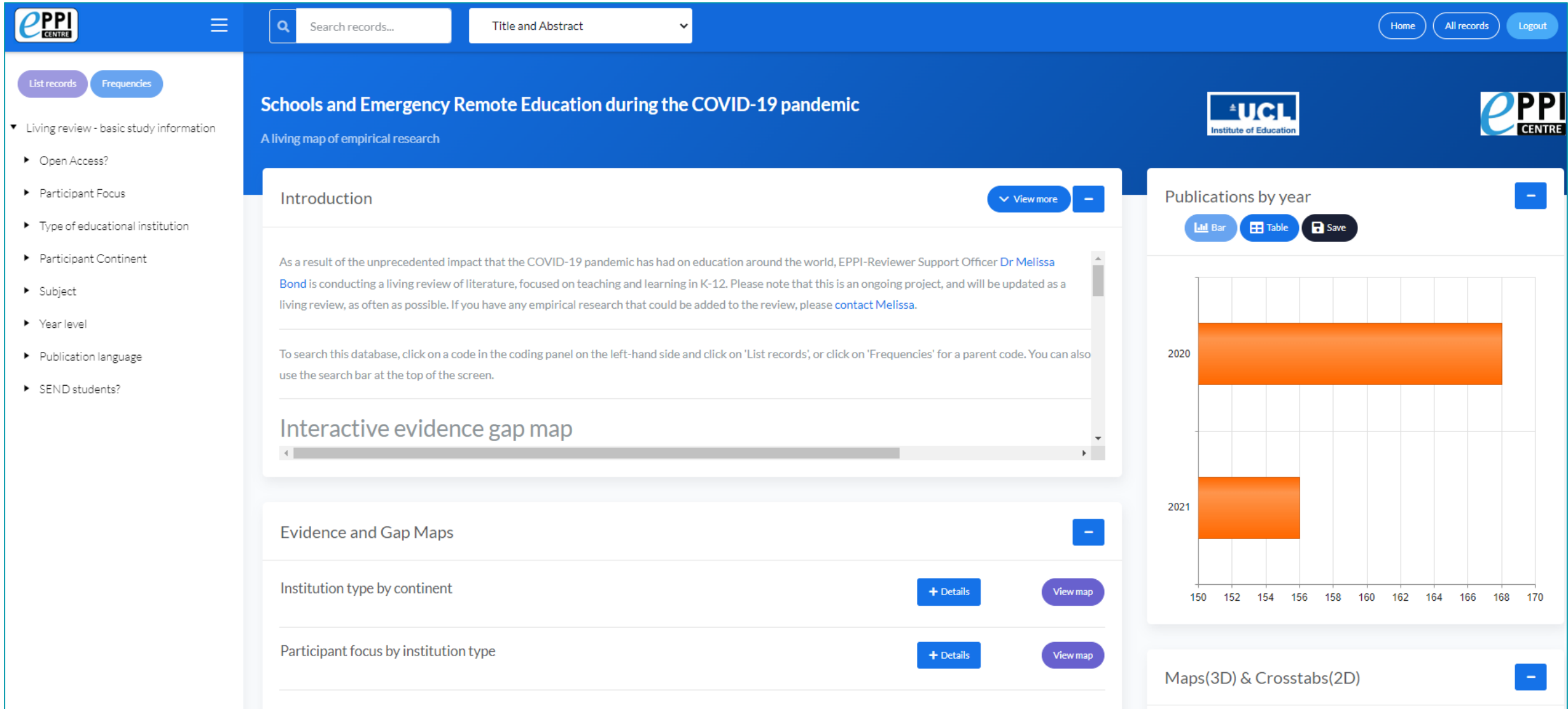
- The finished map file is an HTML formatted text file, so it can be edited in any text editor after it is created (e.g. Notepad++)
- If you are even a little bit familiar with HTML you can do quite a bit to change the map's appearance after it is created.
 - Any static text on map can be edited (including 'About' section)
 - Most colours can be changed
 - Padding can be added to table cells
- If you know a little bit of JavaScript you can go even further and start changing how the map behaves.
 - You can add functionality. Many of the additions to the mapping utility started with me manually editing an existing map

EPPI-Visualiser is a web database tool, displaying the studies and coding conducted in your review.

- Any changes made in your review are updated live in the database.

The screenshot shows the EPPI-Visualiser interface with the following components:

- Header:** Search bar with 'Search records...', dropdown menu set to 'Title and Abstract', and navigation buttons for 'Home', 'All records', and 'Logout'.
- Left Sidebar:** Navigation menu with 'List records' and 'Frequencies' tabs. Under 'Data Extraction', there are sub-menus for 'Publication Details', 'Author Information', 'Study Characteristics', 'Research Focus and Methodology', 'Type of ed tech', 'Publication language', and 'Open Access?'.
- Main Content Area:**
 - Title:** 'Emergency Remote Teaching in higher education during the COVID-19 pandemic' with a subtitle 'A living map of empirical research'.
 - Introduction:** Text describing the database's creation by Dr Melissa Bond for a living systematic review article. It mentions the article is open access and submitted for peer review. Further information is linked to a ResearchGate project.
 - Abstract:** 'Resulting from the Covid-19 pandemic that spread globally in 2020, higher education courses were subsequently offered in full remote, online'.
 - Publications by year:** A horizontal bar chart showing 357 publications in 2020, 25 in 2021, and 10 in 'Unknown'.
 - Frequencies: Participant Continent:** A horizontal bar chart showing the distribution of participants by continent: Africa (~10), Asia (~350), Europe (~350), Middle East (~150), North America (~300), Oceania (~20), South and Central America (~100), and Global (~10).
- Right Sidebar:**
 - Crosstabs:** A section with a 'Full Crosstab' button and a 'Self Crosstab' button set to 'Participant Continent'.
 - Set X axis:** A button to customize the x-axis of the charts.



The screenshot displays the EPPI Centre website interface. At the top, there is a search bar with the text 'Search records...' and a dropdown menu set to 'Title and Abstract'. Navigation links for 'Home', 'All records', and 'Logout' are visible in the top right corner. The main content area is titled 'Schools and Emergency Remote Education during the COVID-19 pandemic' and is described as 'A living map of empirical research'. The left sidebar contains a navigation menu with options like 'List records', 'Frequencies', and 'Living review - basic study information'. The main content area is divided into several sections: 'Introduction', 'Interactive evidence gap map', and 'Evidence and Gap Maps'. The 'Introduction' section contains text about the living review conducted by Dr Melissa Bond. The 'Evidence and Gap Maps' section includes two interactive maps: 'Institution type by continent' and 'Participant focus by institution type', each with '+ Details' and 'View map' buttons. On the right side, there is a 'Publications by year' section with a horizontal bar chart showing the number of publications for the years 2020 and 2021. The chart shows 168 publications in 2020 and 156 in 2021. Below the chart, there is a section for 'Maps(3D) & Crosstabs(2D)'.

EPPI CENTRE

Search records... Title and Abstract

Home All records Logout

List records Frequencies

Living review - basic study information

- Open Access?
- Participant Focus
- Type of educational institution
- Participant Continent
- Subject
- Year level
- Publication language
- SEND students?

Schools and Emergency Remote Education during the COVID-19 pandemic

A living map of empirical research

Introduction

View more

As a result of the unprecedented impact that the COVID-19 pandemic has had on education around the world, EPPI-Reviewer Support Officer **Dr Melissa Bond** is conducting a living review of literature, focused on teaching and learning in K-12. Please note that this is an ongoing project, and will be updated as a living review, as often as possible. If you have any empirical research that could be added to the review, please [contact Melissa](#).

To search this database, click on a code in the coding panel on the left-hand side and click on 'List records', or click on 'Frequencies' for a parent code. You can also use the search bar at the top of the screen.

Interactive evidence gap map

Evidence and Gap Maps

Institution type by continent + Details View map

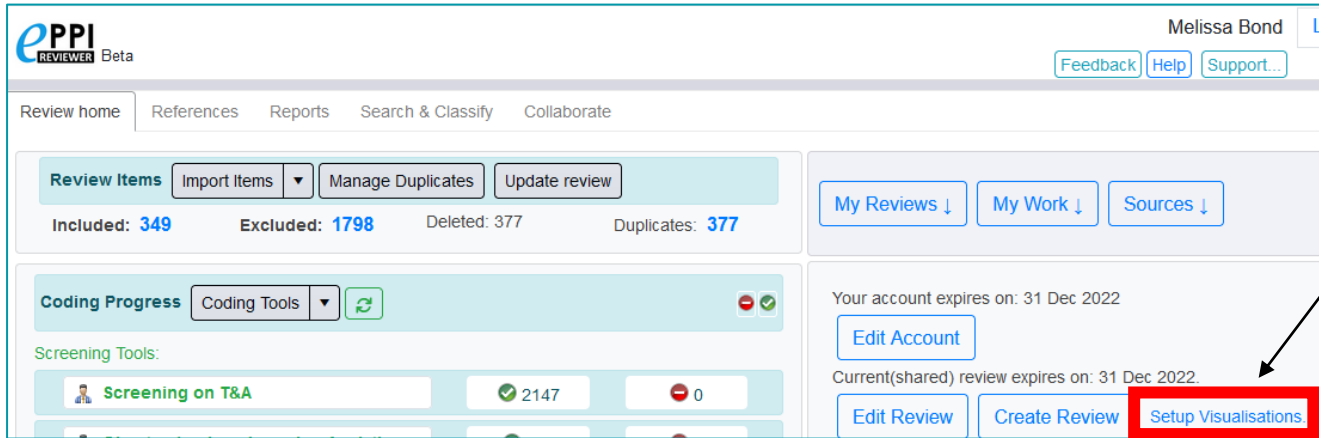
Participant focus by institution type + Details View map

Publications by year

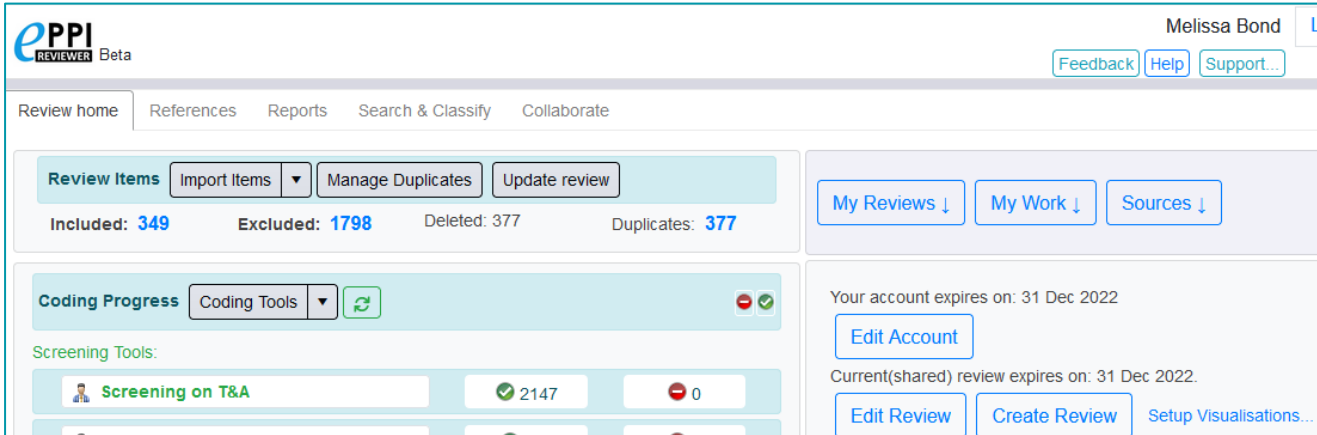
Bar Table Save

Year	Number of Publications
2020	168
2021	156

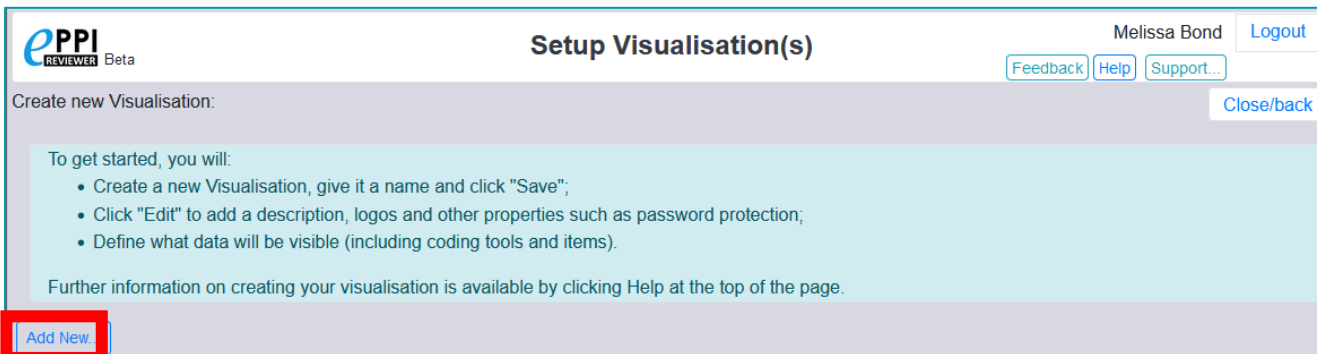
Maps(3D) & Crosstabs(2D)



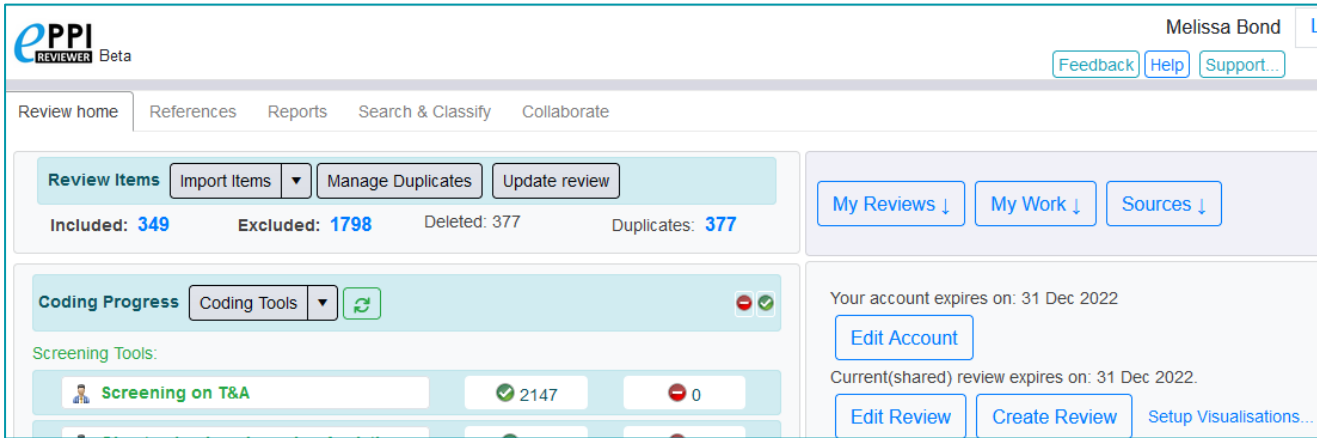
1. On the Review Home page, click on the blue 'Setup Visualisations' button.



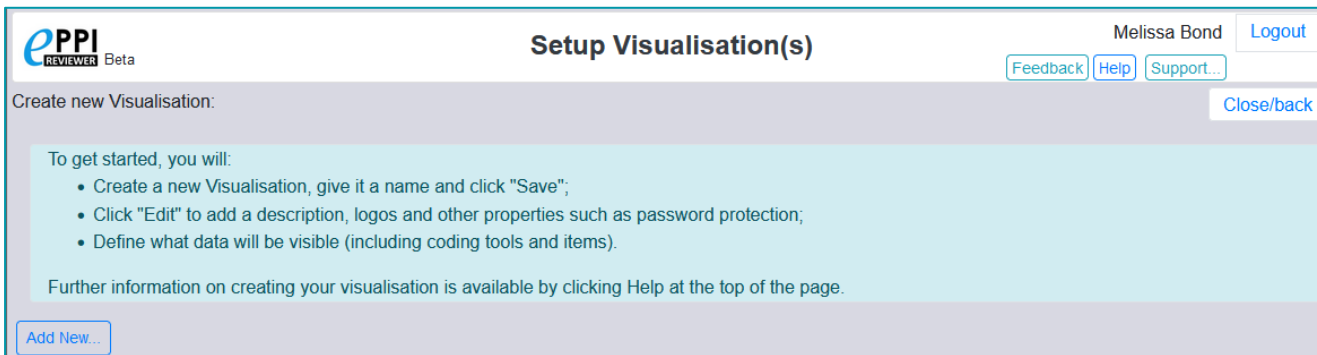
1. On the Review Home page, click on the blue 'Setup Visualisations' button.



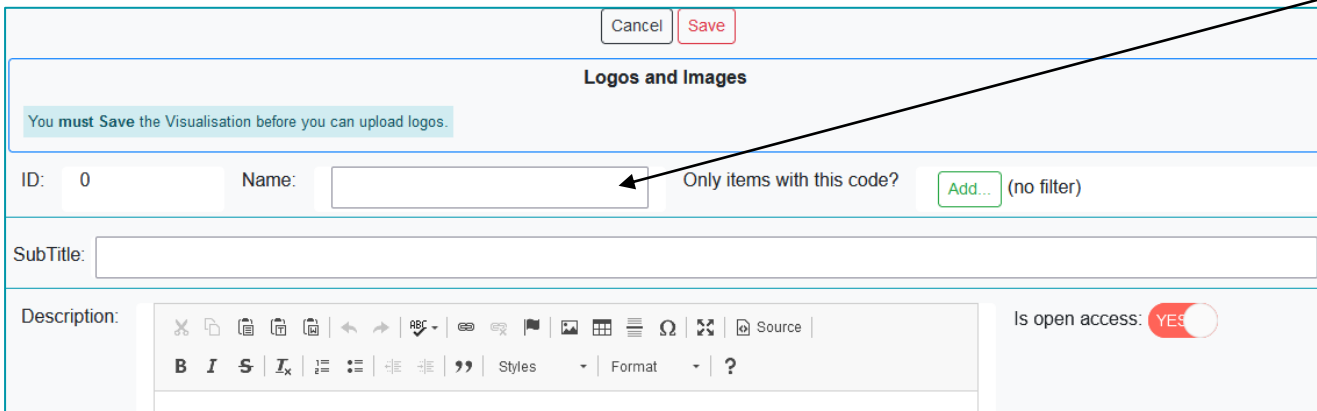
2. Click on 'Add New...'



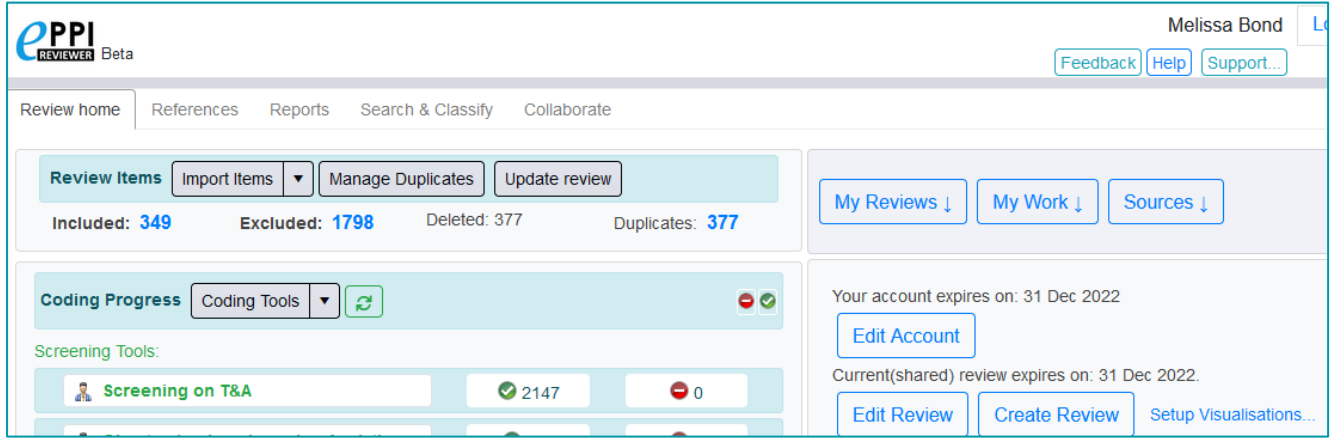
1. On the Review Home page, click on the blue 'Setup Visualisations' button.



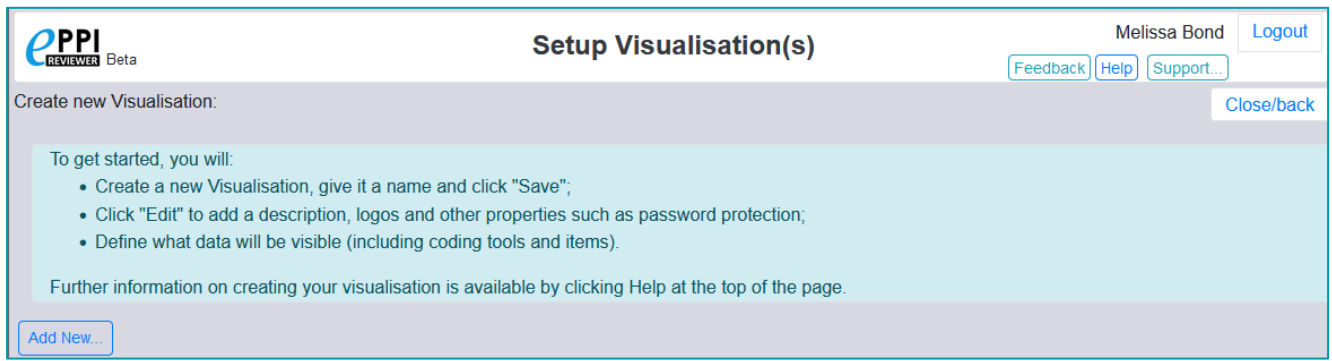
2. Click on 'Add New...'



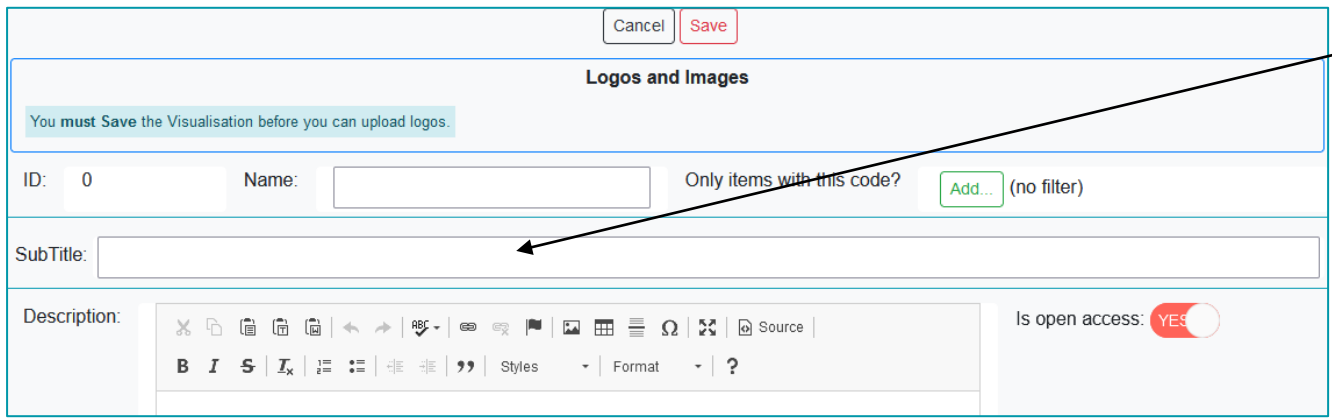
3. Type in a database name.



1. On the Review Home page, click on the blue 'Setup Visualisations' button.

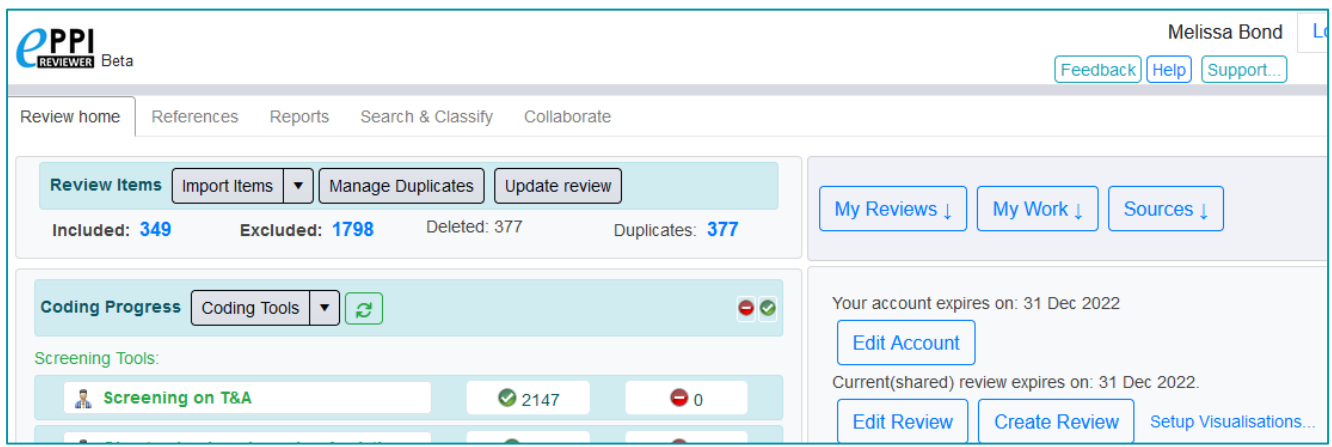


2. Click on 'Add New...'

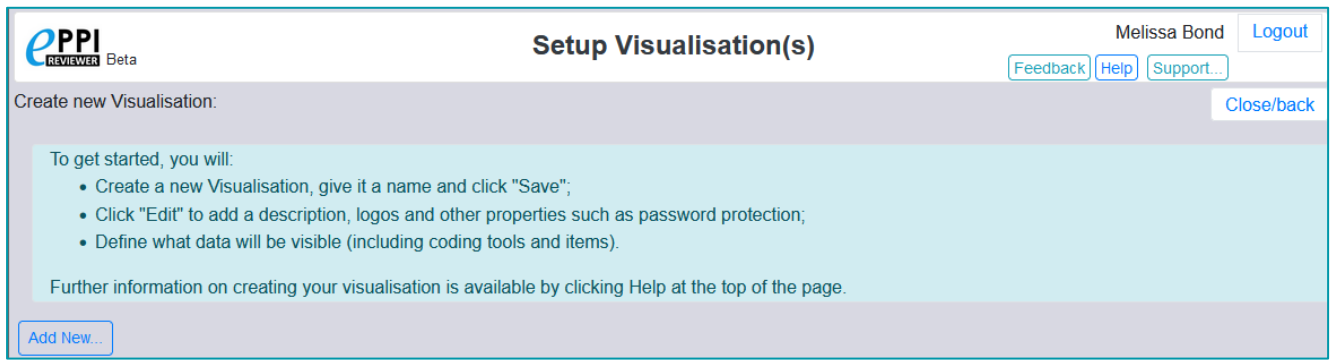


3. Type in a database name.

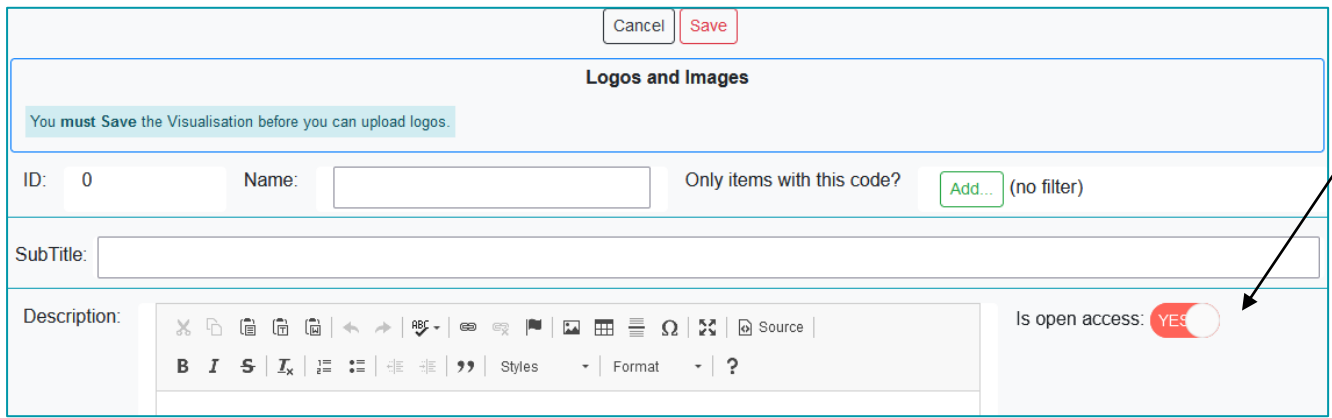
4. Type in a Subtitle (optional).



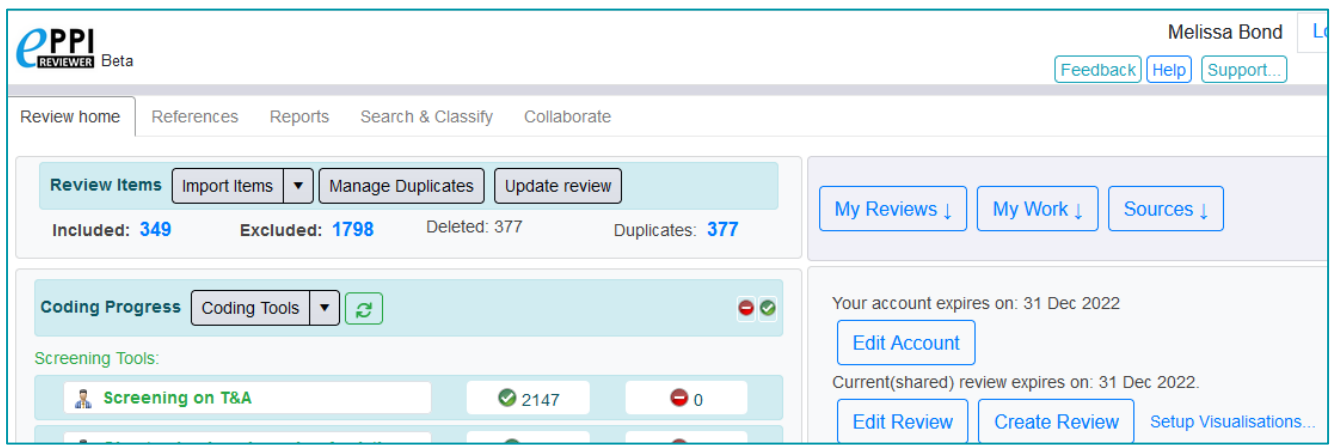
1. On the Review Home page, click on the blue 'Setup Visualisations' button.



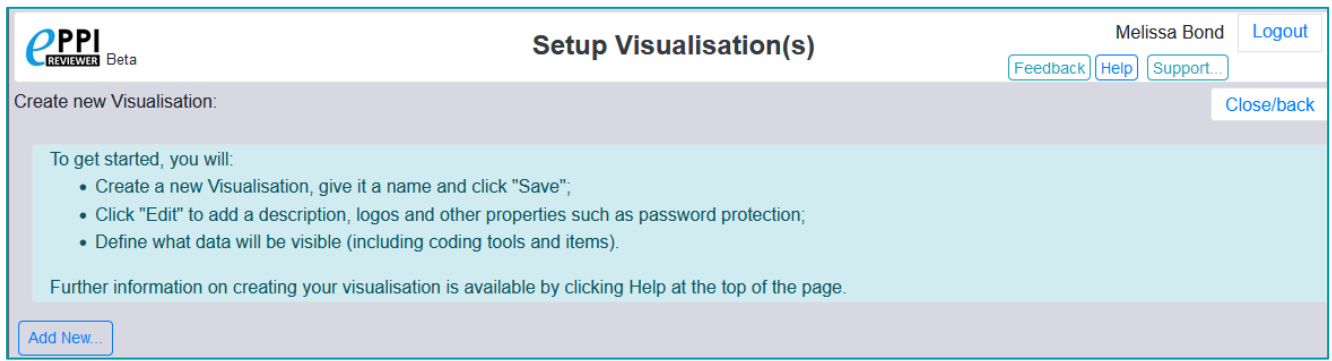
2. Click on 'Add New...'



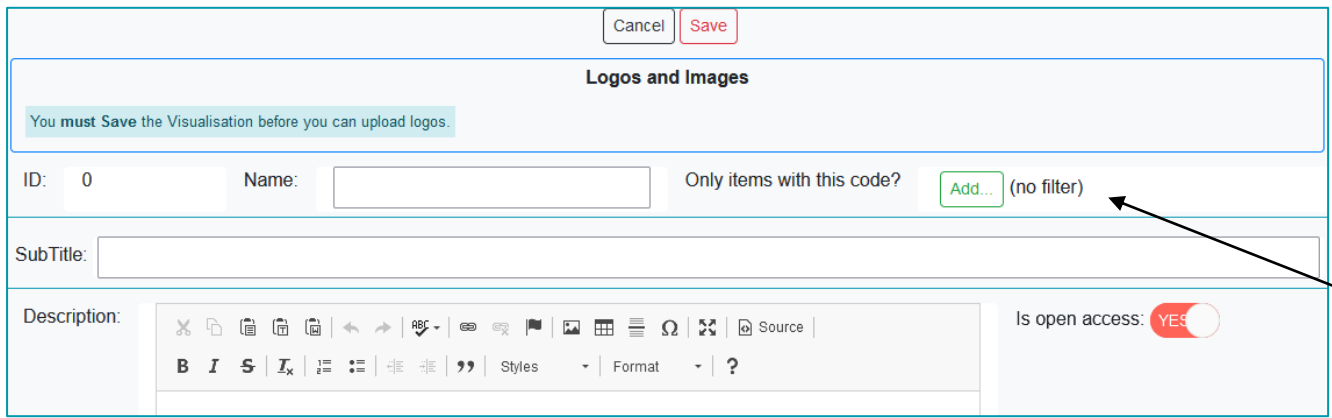
- 3. Type in a database name.
- 4. Type in a Subtitle (optional).
- 5. If you want to assign a password to it, click on the toggle next to 'Is open access' and type in a password (This can also be done later).



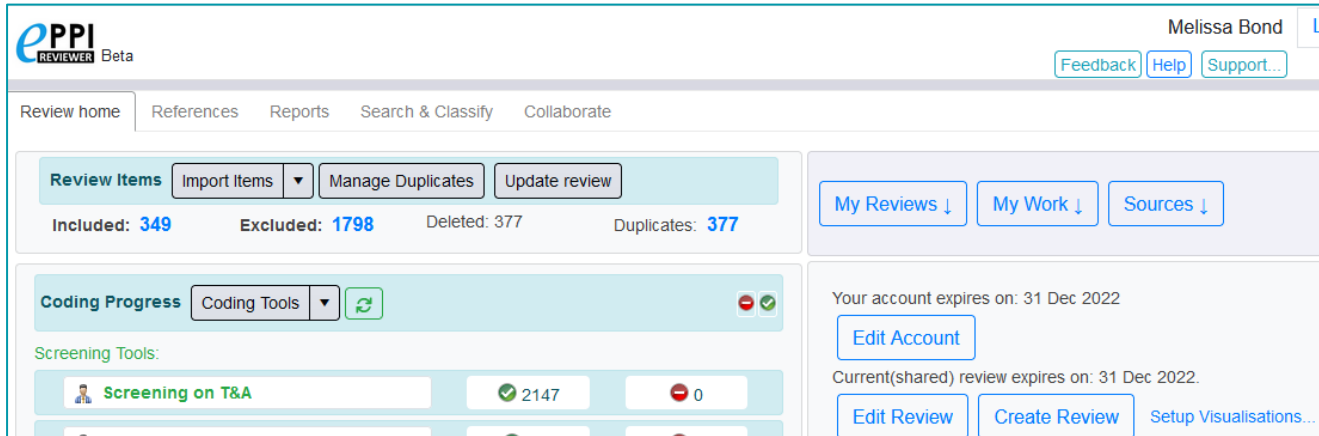
1. On the Review Home page, click on the blue 'Setup Visualisations' button.



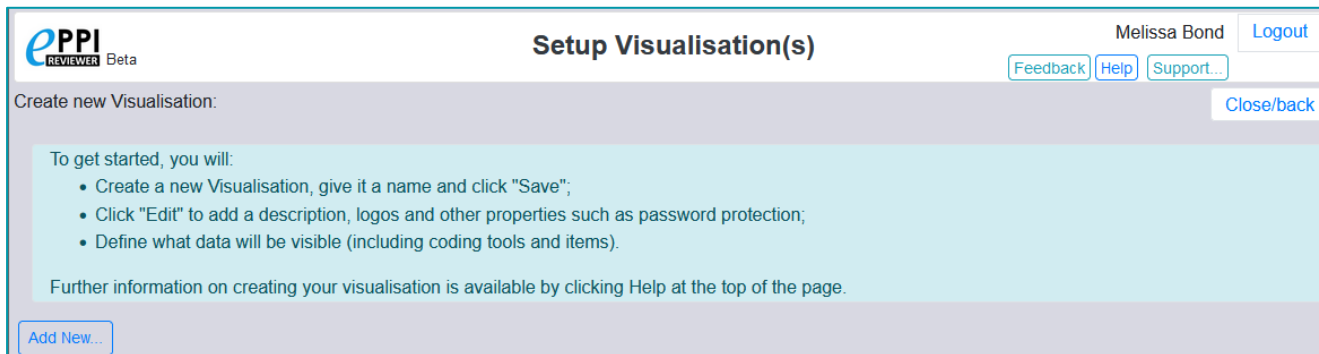
2. Click on 'Add New...'



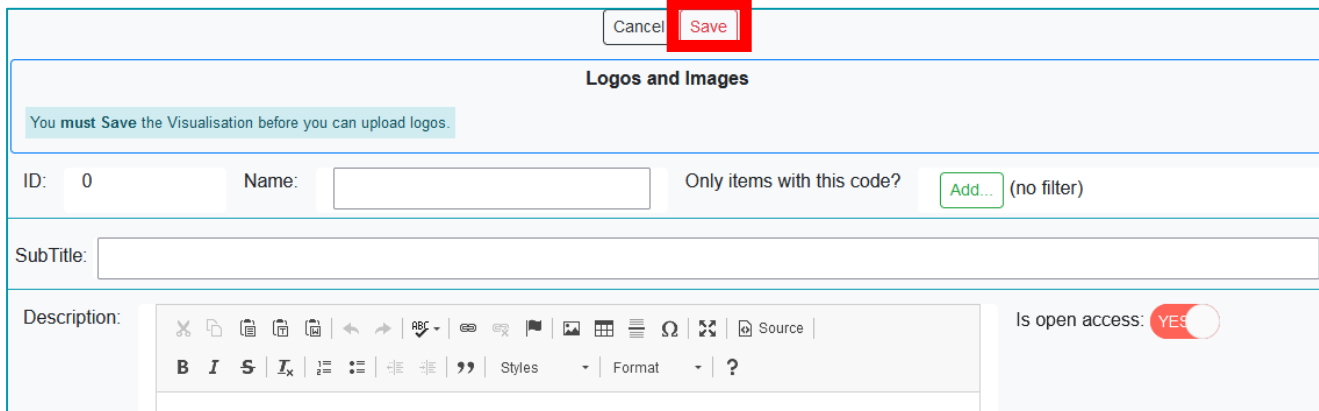
- 3. Type in a database name.
- 4. Type in a Subtitle (optional).
- 5. If you want to assign a password to it, click on the toggle next to 'Is open access' and type in a password (This can also be done later).
- 6. Choose a code to filter to include certain items (optional).



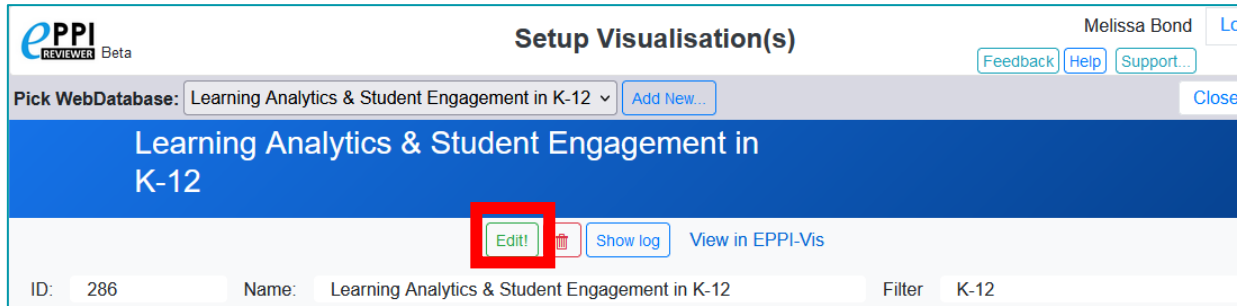
1. On the Review Home page, click on the blue 'Setup Visualisations' button.



2. Click on 'Add New...'



3. Type in a database name.
4. Type in a Subtitle (optional).
5. If you want to assign a password to it, click on the toggle next to 'Is open access' and type in a password (This can also be done later).
6. Choose a code to filter to include certain items (optional).
7. Click 'Save'.



1. Click the green 'Edit!' button.

The screenshot shows the 'Setup Visualisation(s)' page in EPPI REVIEWER Beta. The user is editing a visualization with ID 286, titled 'Learning Analytics & Student Engagement in K-12'. The 'Description' field is highlighted with a red box, and an arrow points from the text 'Type in a description' to this field. The 'Is open access' toggle is set to 'YES'.

1. Click the green 'Edit!' button.
2. Type in a description – will appear in the 'Introduction' section.

The screenshot shows the EPPI REVIEWER Beta interface for setting up a visualization. The main window is titled 'Setup Visualisation(s)' and shows a database entry for 'Learning Analytics & Student Engagement in K-12'. A modal dialog is open for editing the 'Only items with this code?' field, showing a dropdown menu with options like 'Screening on T&A', 'Olga to check on Learning Analytics', 'Screening on Full Text', 'Data Extraction', 'Interactive EGM', 'Allocations', and 'PDF retrieval'. The 'Change...' button in the main window is highlighted with a red box.

1. Click the green 'Edit!' button.
2. Type in a description – will appear in the 'Introduction' section.
3. If you only want to include studies that have a certain code, e.g. 'K-12', click on the green 'Add' button, or 'Change' button if you already chose something.

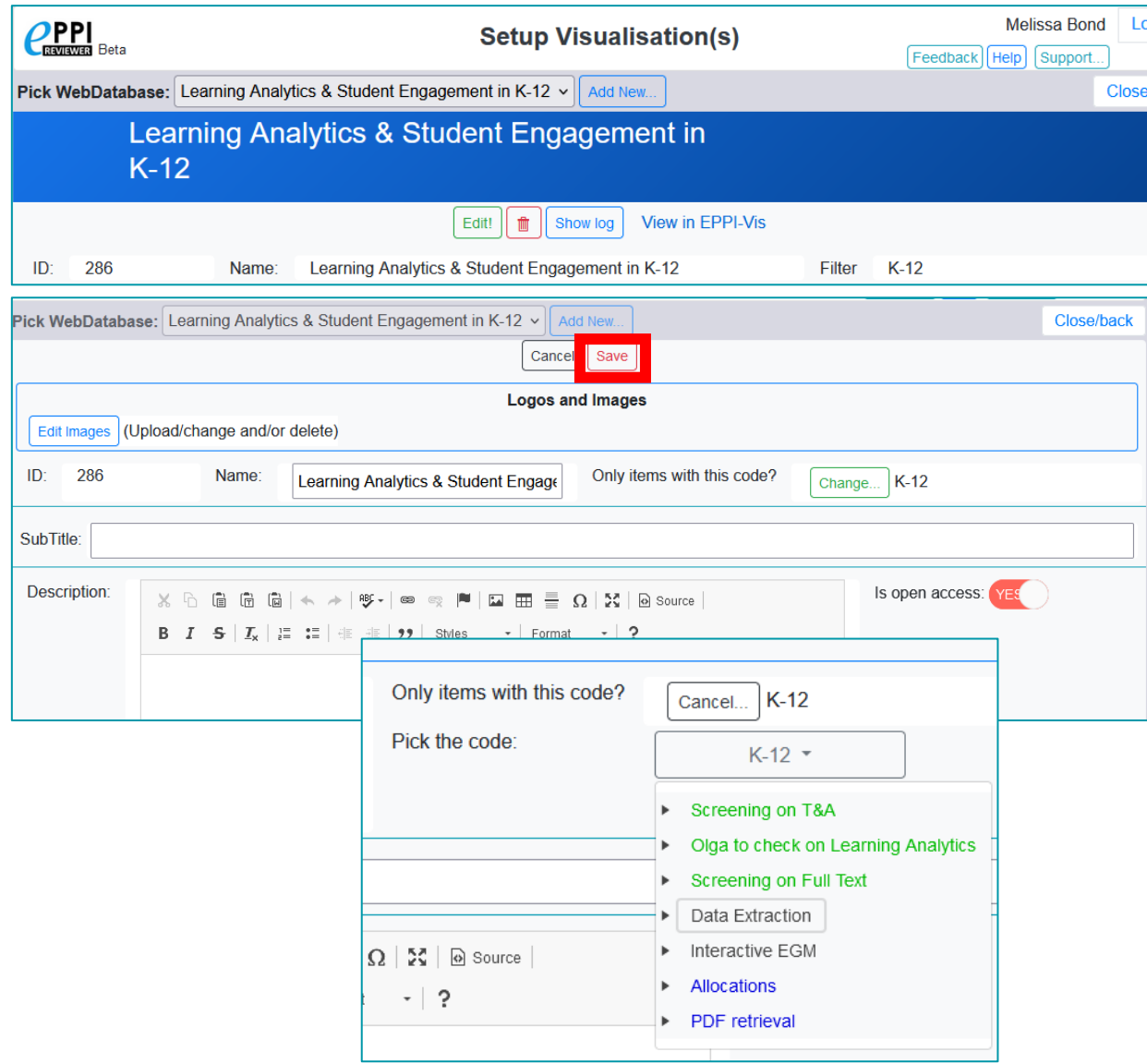
Creating an EPPI-Vis web database

The screenshot shows the 'Setup Visualisation(s)' interface in EPPI REVIEWER Beta. The user is logged in as Melissa Bond. The current database is 'Learning Analytics & Student Engagement in K-12'. The 'Is open access' toggle is set to 'YES' and is highlighted with a red box. A modal window is open for selecting a code, with 'K-12' selected and a list of options including 'Screening on T&A', 'Olga to check on Learning Analytics', 'Screening on Full Text', 'Data Extraction', 'Interactive EGM', 'Allocations', and 'PDF retrieval'.

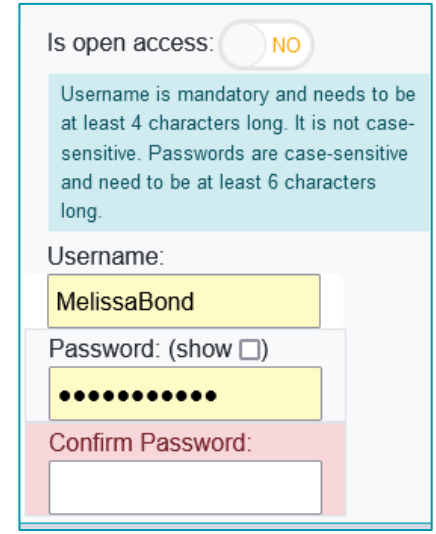
1. Click the green 'Edit!' button.
2. Type in a description – will appear in the 'Introduction' section.
3. If you only want to include studies that have a certain code, e.g. 'K-12', click on the green 'Add' button, or 'Change' button if you already chose something.
4. If you want to assign a password to it, click on the toggle next to 'Is open access' and type in a username and password.

The screenshot shows the 'Is open access' settings panel. The toggle is set to 'NO'. Below the toggle, there is a text box for 'Username' containing 'MelissaBond', a 'Password' field with a 'show' checkbox, and a 'Confirm Password' field.

Creating an EPPI-Vis web database



1. Click the green 'Edit!' button.
2. Type in a description – will appear in the 'Introduction' section.
3. If you only want to include studies that have a certain code, e.g. 'K-12', click on the green 'Add' button, or 'Change' button if you already chose something.
4. If you want to assign a password to it, click on the toggle next to 'Is open access' and type in a username and password.
5. Click save.



Further information

- [EPPI-Reviewer homepage](#) – sign up to a free one month trial.
- [EPPI-Mapper information](#) – includes links to example maps.
- [EPPI-Mapper app](#)
- [EPPI-Reviewer instructional video](#) on interactive evidence gap maps.
- [EPPI-Reviewer instructional video](#) on how to create an EGM using EPPI-Mapper.
- White et al. (2020) - [Guidance](#) for producing a Campbell evidence and gap map.
- Sarah & White (2018) - [Evidence and gap maps: a comparison of different approaches](#) – article.
- [Schools and emergency remote education during the COVID-19 pandemic](#) – information and interactive evidence gap maps.
- [Schools and ERE during the COVID-19 pandemic](#) – article.

- [Mapping the field of emergency remote teaching in higher education due to COVID-19](#)

Contact Information

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LinkedIn: <https://www.linkedin.com/in/bondmelissa/>

YouTube: <https://www.youtube.com/user/EPPIReviewer4>