



# Creating interactive evidence gap maps with EPPI-Reviewer, EPPI-Mapper and EPPI-Visualiser

**Online introductory webinar  
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@misc\_nerd



@EPPIsupport

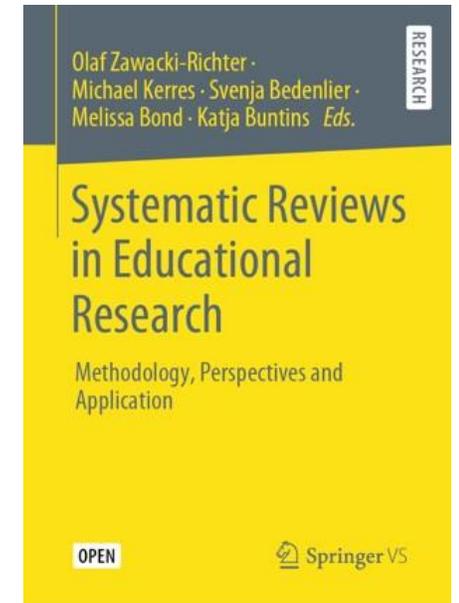


@EPPIReviewer4



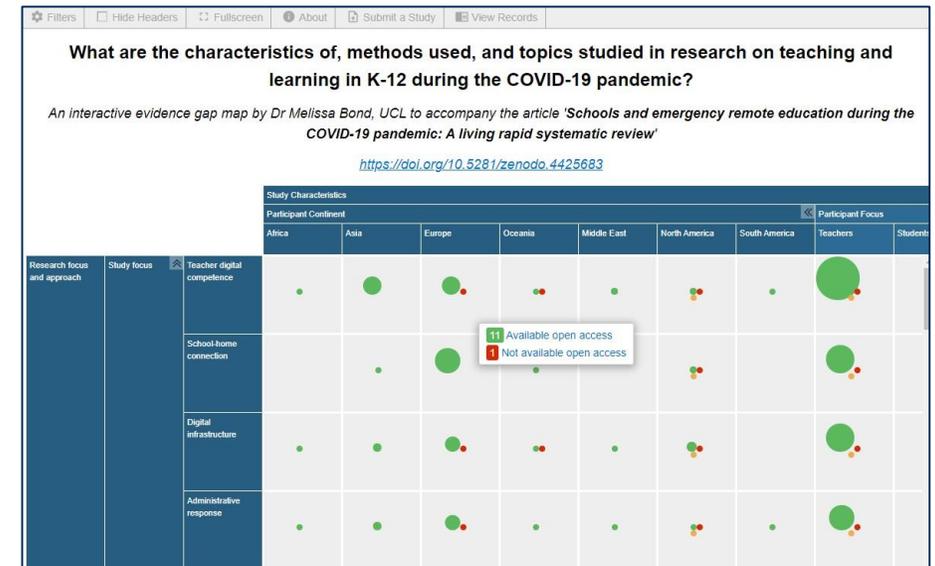
# Dr Melissa Bond

- Former high school teacher in South Australia (10 years)
- Research Associate (3 years, CvO Universität Oldenburg)
  - > [PhD](#), 2020: *‘Facilitating student engagement through educational technology: Current research, practices and perspectives’*
- EPPI-Reviewer Support Officer (Feb 2020 onwards)
- Systematic & mapping [reviews](#)
  - [COVID-19 studies on teaching and learning in higher education](#)
  - [COVID-19 studies on teaching and learning in K-12](#)
  - [Artificial Intelligence in Higher Education](#)
  - [Student engagement and educational technology in higher education](#)
  - [Student engagement and the flipped learning approach \(K-12\)](#)
  - Editor of the open access book [Systematic Reviews in Educational Research](#)



# 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 generate a map using EPPI-Mapper.
- What is EPPI-Visualiser?
- How to create a web database using EPPI-Visualiser.
- Q & A / Discussion
- Future professional development opportunities

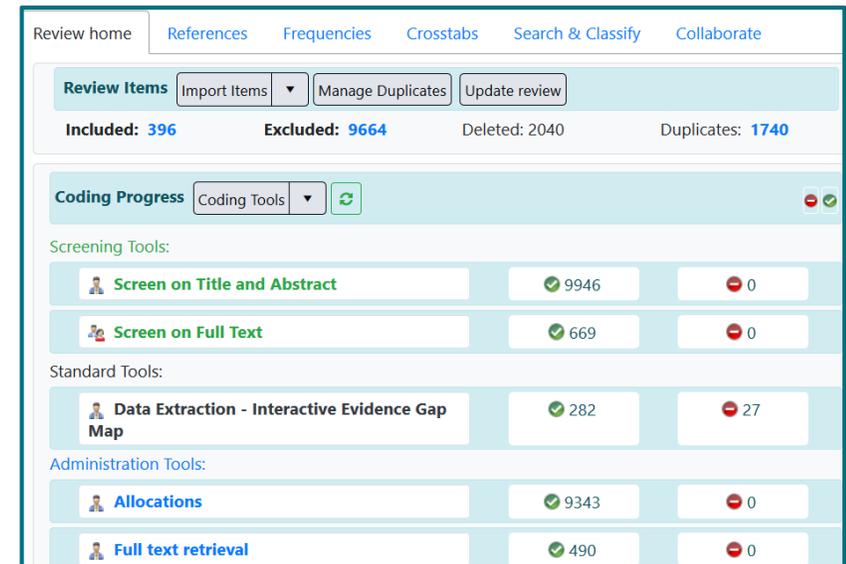


**EPPI-Reviewer** evidence synthesis software was created to support the **methodological work** conducted at the EPPI-Centre.

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

## EPPI-Reviewer helps by:

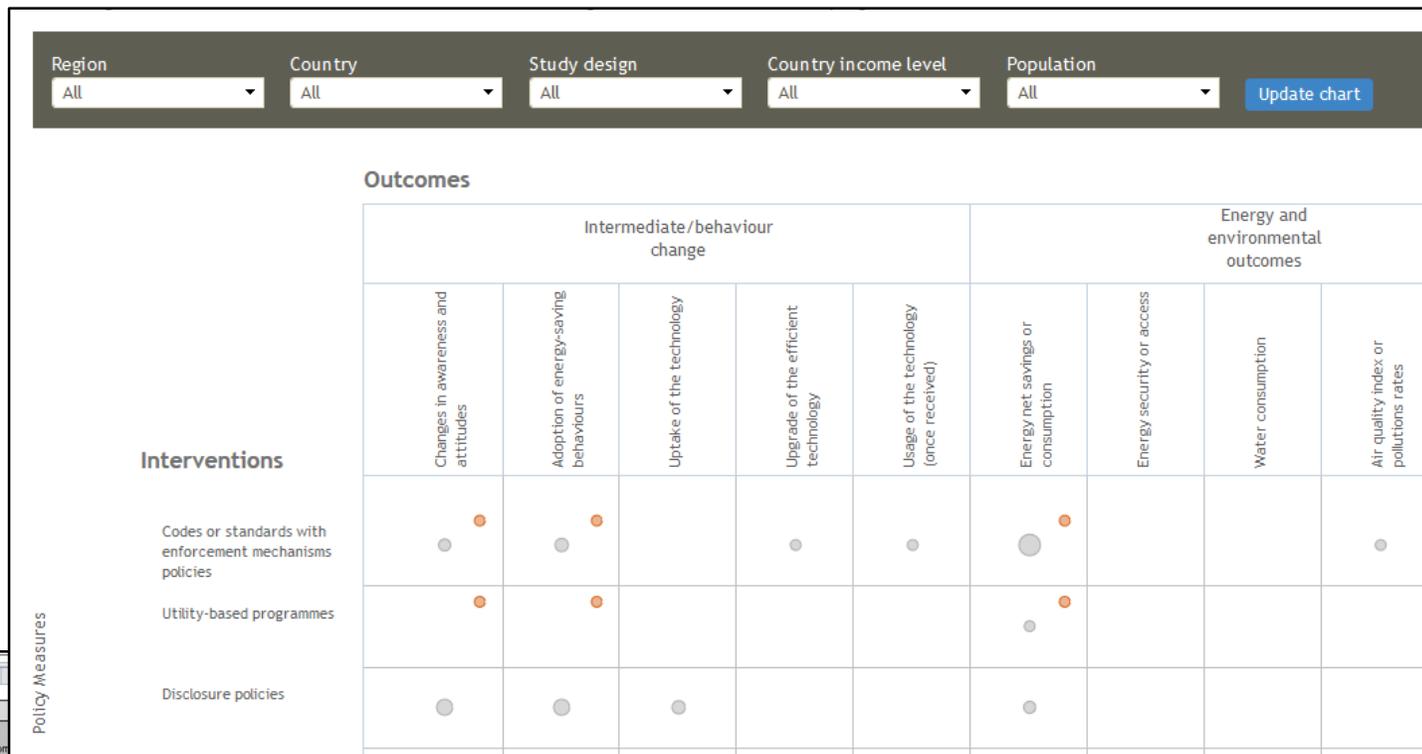
- keeping your review process explicit and replicable
- enabling you to work with many others in one review
- keeping your data in one place
- helping with large screening loads through priority screening
- enabling updates to your review, including through machine learning
- allowing the easy creation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



**Evidence gap maps** are a visual representation of the evidence, or lack of evidence, in a domain.

- Often consist of a matrix of interventions in one axis and outcomes in the other axis.
- Each intersection point indicates the number of corresponding records (e.g. studies).
- The number of records in each node can be broken down into categories and represented as bubbles.
- Most maps will have some type of filtering mechanism for a further breakdown of coding.

- Many different designs of evidence gap maps exist.
- Most organisations have their own design and layout.



**Map 1: All interventions (333 studies)**

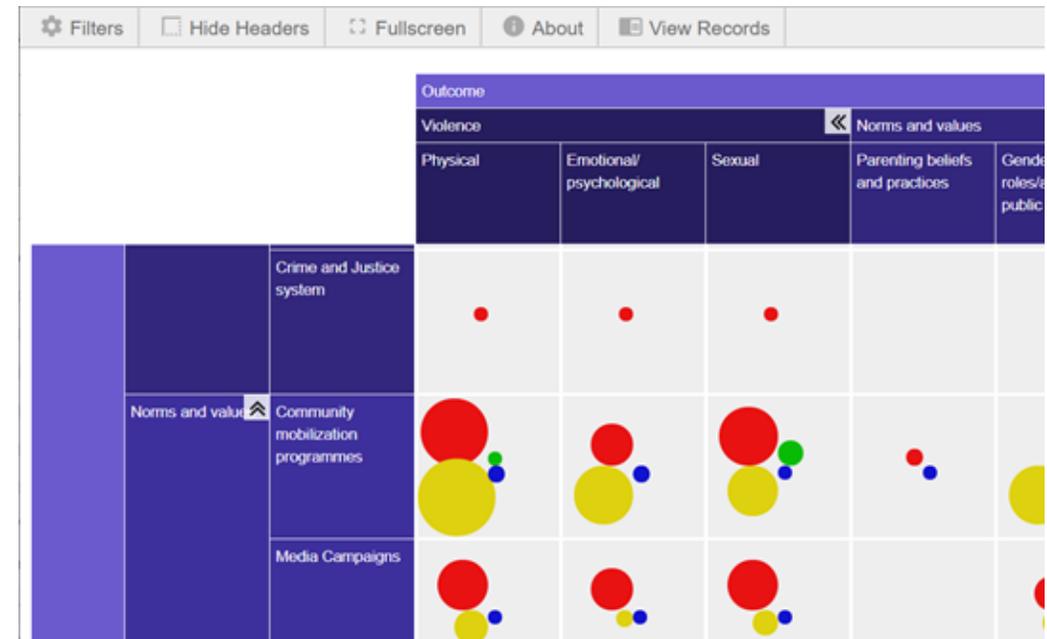
		Personal Development Outcomes										Development Outcomes																			
		Knowledge, self-confidence and resilience			Communication, life skills and technical skills			Attitudes and behaviour change			Social relationships			Participation-related outcomes			Public attitudes, knowledge and behaviour			Community development outcomes (e.g. infrastructure)			Policy changes								
		Knowledge	Self-confidence, resilience and aspirations	Development of role models	Life skills e.g. communication, critical thinking	Practical skills/ enhanced employability	Attitude change (e.g. gender inequality, inter-ethnic relations)	Change in attitudes to politically motivated or identity-based violence	Behaviour change	Stronger family relationships	Stronger social relationships outside family	Feeling included/ listened to	Political or policy-related participation or engagement	Participation in governance (inc. budgeting and accountability)	Participation in programming	Voice in the public sphere	Changes in health knowledge	Changes in wider development knowledge (agriculture, legal rights etc)	Changes in attitudes to YPI/YP participation	Changes in discriminatory attitudes	Changes in harmful practices	Behaviour/ practice change (health)	Behaviour/ practice change (non-health)	Livelihood changes	Community development outcomes (e.g. infrastructure)	Changes in strength of community organisations	Changes in social cohesion/conflict fragility	Access to use of services	Quality of services	Youth focused policy	Non-youth focused policy
Interventions building project-cycle skills	Participatory planning and design	19	15	1	17	12	4	0	4	1	6	9	14	13	19	7	3	1	7	10	1	3	0	1	6	10	0	6	7	8	1
	Participatory research	15	12	1	12	10	7	2	4	3	8	10	12	2	7	4	1	4	5	4	1	1	0	1	5	4	0	1	4	1	1
	Participatory monitoring and evaluation	7	6	0	7	7	2	0	3	1	5	3	3	5	10	2	2	0	5	2	1	2	0	1	2	2	0	4	2	2	0
Interventions building communication, leadership and advocacy skills	Leadership training	10	8	0	13	5	7	2	3	1	3	5	7	6	5	4	1	0	6	7	2	2	0	2	4	2	5	2	7	3	1
	Conflict resolution/ peacebuilding training	10	10	2	16	8	8	6	12	2	7	3	8	3	5	1	0	1	3	10	3	1	2	1	9	4	11	1	1	4	0

<https://gapmaps.3ieimpact.org/evidence-maps/energy-efficiency-egm>

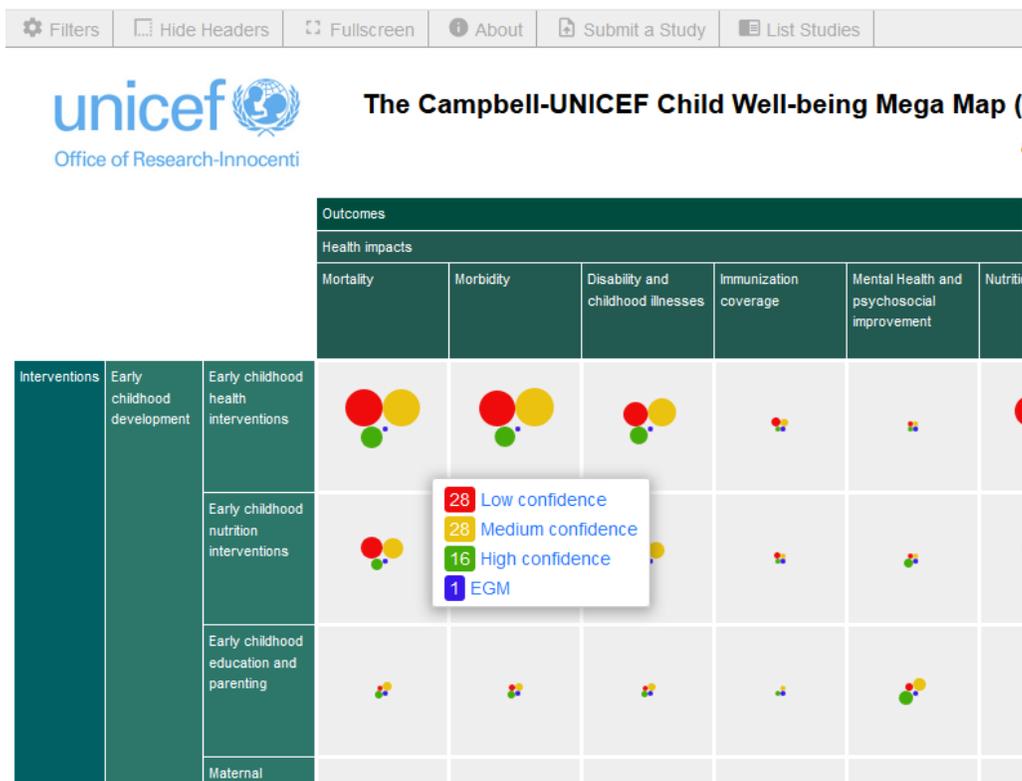
Maps from 3ie and Overseas Development Institute (ODI)

<https://odi.org/en/publications/young-people-as-agents-and-advocates-of-development/>

- 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 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)

Menu

⚙️ Filters
🔍 Hide Headers
🖥️ Fullscreen
ℹ️ About
📄 Submit a Study
📄 List Studies

**The Campbell-UNICEF Child Well-being Mega Map (This map shows the coverage of 333 systematic reviews and 23 Evidence and Gap Maps (EGMs))**  
 Office of Research-Innocenti

Branding and title

Legend for segments

EPPI- Mapper version

		Outcomes							
		Health impacts					Healthy development		
		Mortality	Morbidity	Disability and childhood illnesses	Immunization coverage	Mental Health and psychosocial improvement	Nutrition	Antenatal and postnatal care including breast-feeding	Cognitive development
Interventions	Early childhood development								
	Early childhood health interventions								
	Childhood immunization								

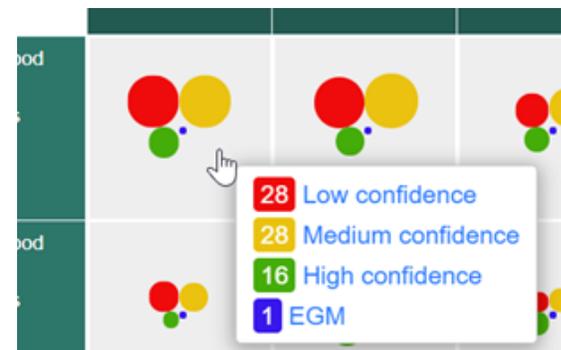
● Low confidence
● Medium confidence
● High confidence
● EGM

Generated using v.1.2.0 of the EPPI- Mapper powered by [EPPI Reviewer](#)

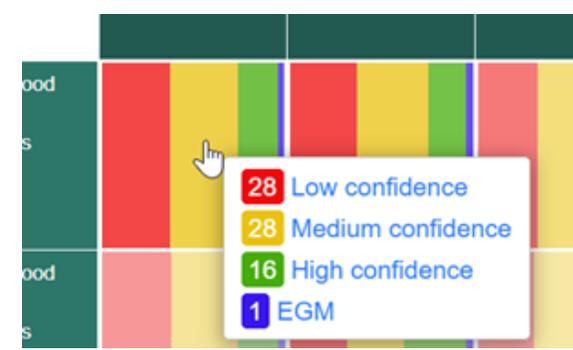
Style can be pre-set or changed.



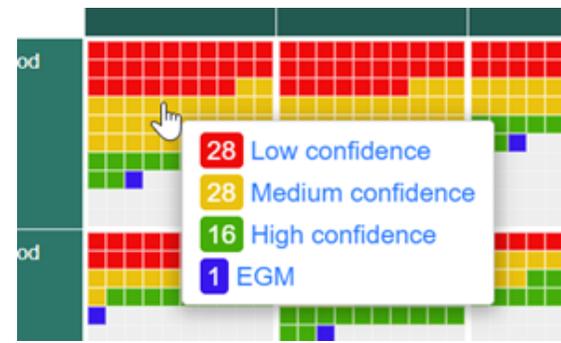
*Bubble*



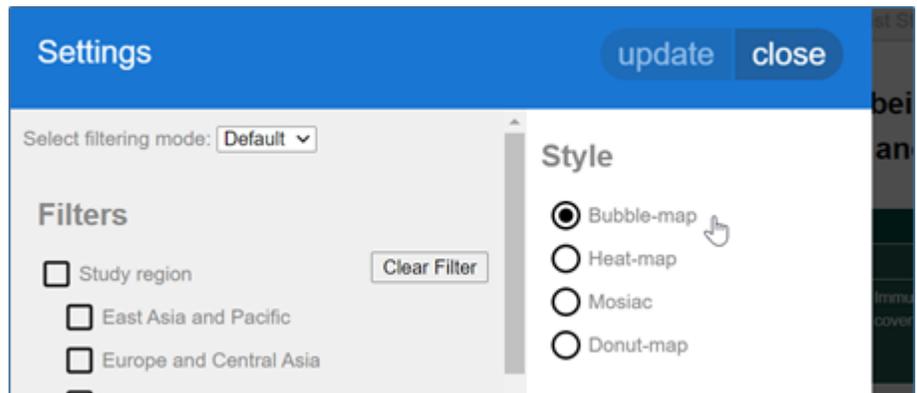
*Heat*



*Mosaic*

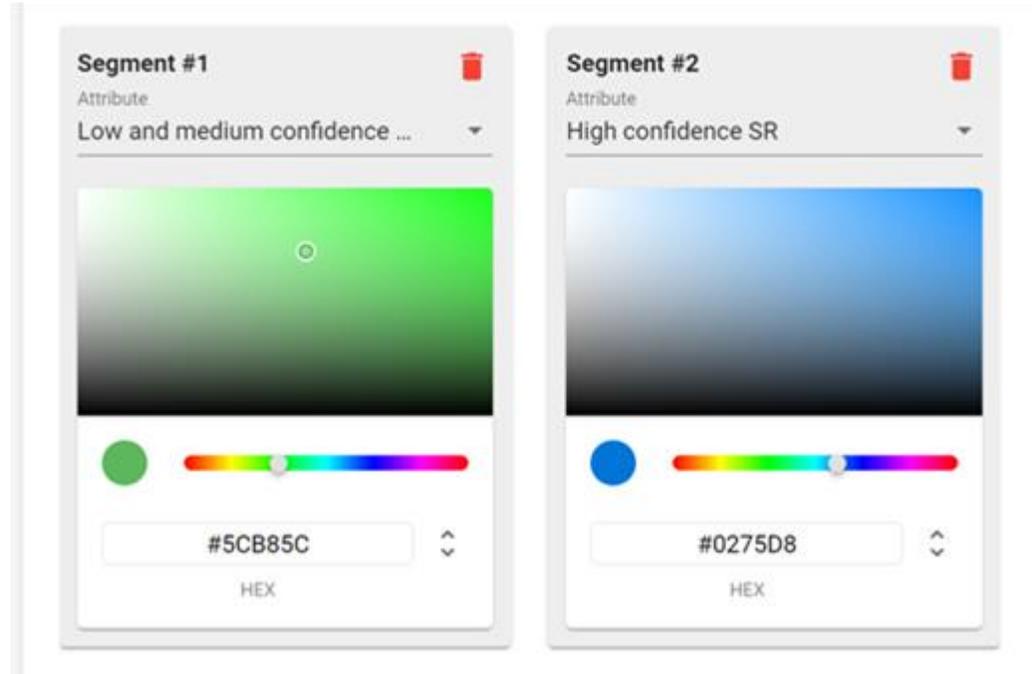


*Donut*



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

Settings

Select filtering mode: Default ▾

**Filters**

Study region Clear Filter

- East Asia and Pacific
- Europe and Central Asia
- Latin America and the Caribbean
- Middle East and North Africa
- South Asia
- sub-Saharan Africa

Publication status

Population category

- Infants (0-3 years)
- Child (3-10 years)
- Adolescent (10-18 years)
- Children with disabilities
- Children in conflict-affected regions
- Children from underrepresented communities (low income, ethnicity, race)
- Malnourished children
- Mothers/Parents
- Teachers/community leaders/health workers
- Women & girls

Funding agency

- Australian National Health & Medical Research Council

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, Abstract

The screenshot shows a reference list interface with the following components:

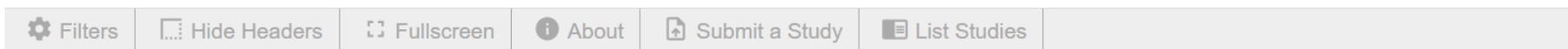
- Header:** "74 References" with a search filter set to "All".
- Filters (Left):** A sidebar with "Clear Filters" and a list of categories:
  - Outcomes (expanded)
    - Mortality
    - Morbidity
    - Disability and child...
    - Immunization cover...
    - Mental Health and ...
    - Nutrition
    - Antenatal and post...
    - Cognitive develop...
    - Utilization of health...
    - Gender roles/decis...
    - Diet and physical a...
    - Parent reported be...
    - Enrolment
- Group by (Top):** A dropdown menu currently set to "None", with "Segment" also visible.
- Reference List (Middle):** A list of references with colored dots indicating relevance:
  - 60 million non-facility births: Who can deliver in community settings to reduce intrapartum-related deaths?** (Red dot)
    - Author: Darmstadt
    - Publication: October, 2009
  - A New Look at Care in Pregnanc...** (Red dot)
    - Author: Hodgins S ; Tielsch J ; Rankin K ; R...
    - Publication: August, 2016
  - A systematic review of essential...** (Yellow dot)
    - Author: Bhuiinneain GM N; McCarthy F P;
    - Publication: December, 2014
  - A systematic review of the effec...** (Yellow dot)
    - Author: Blauw-Hospers C H; Hadders-Algra ...
    - Publication: June, 2007
  - Alternative versus standard pac...** (Green dot)
    - Author: Dowswell T ; Carroll G ; Duley L ; G...
    - Publication: July, 2010
  - An Evidence Review of Gender-I...** (Red dot)
    - Author: Kraft ; Wilkins K G; Morales G J; Wi...
    - Publication: September 2014
- Study Detail Panel (Right):** A detailed view of the selected study:
  - Title:** 60 million non-facility births: Who can deliver in community settings to reduce intrapartum-related deaths?
  - Study title:** 60 million non-facility births: Who can deliver in community settings to reduce intrapartum-related deaths?
  - 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
  - Year of publication:** 2009

Top menu contains many options

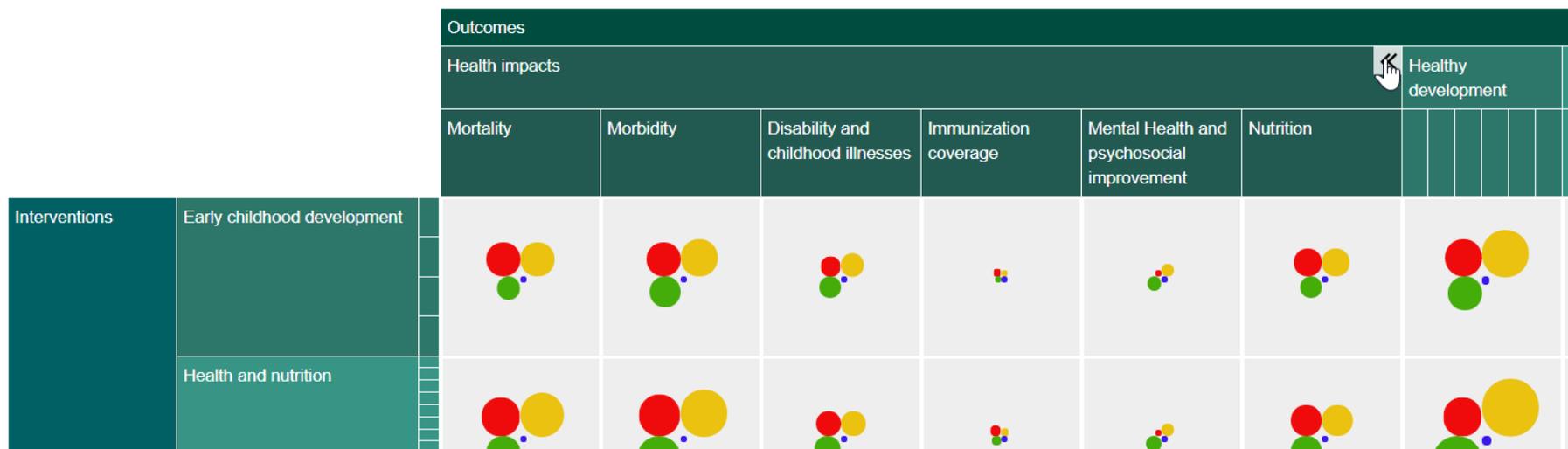


- **Hide Headers** – hides the header area (logos, title, etc.) at top of screen
- **Full screen** – makes the browser fill your entire screen
- **About** – panel appears with information about the map (optional)
- **Submit a study** – panel appears with info on how a map user might contribute to the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

- 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



The Campbell-UNICEF Child Well-being Mega Map  
(This map shows the coverage of 333 systematic reviews and 23 Evidence and Gap Maps (EGMs))



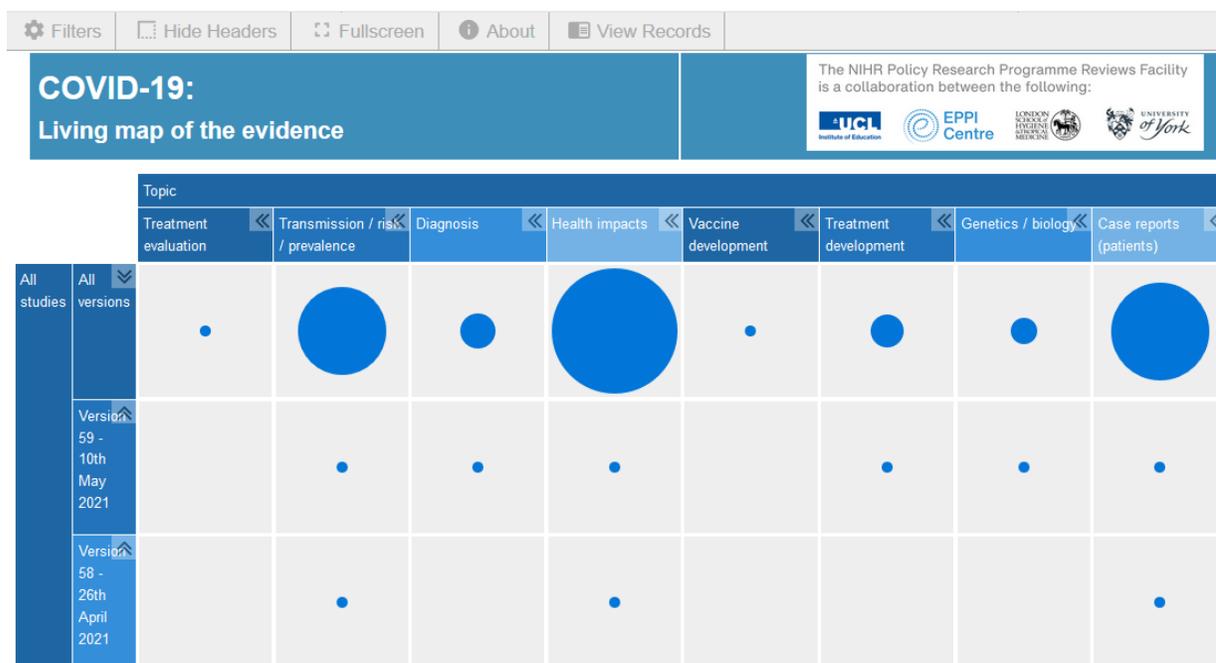
### New function

- If the map has a lot of rows and columns you can set it to open in a collapsed state

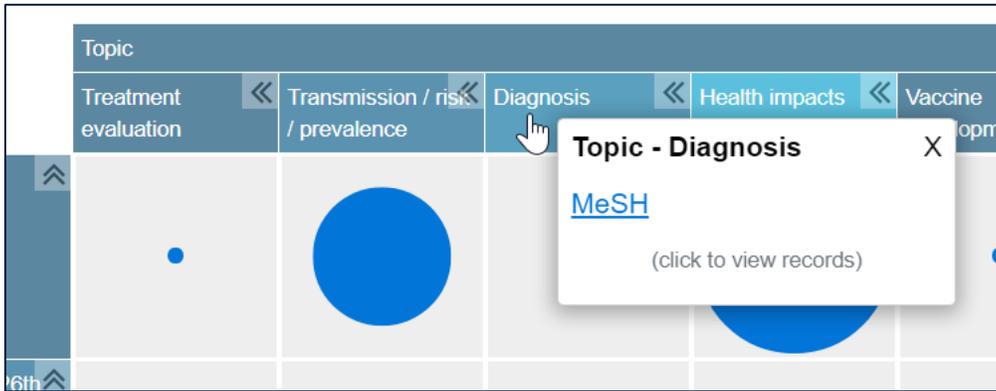
**EPPI-Centre Covid-19 ‘living’ systematic map of research** shows some of the more recent functions added.

[https://eppi.ioe.ac.uk/COVID19\\_MAP/covid\\_map\\_v59.html](https://eppi.ioe.ac.uk/COVID19_MAP/covid_map_v59.html)

- 57,143 studies



- **Topics vs Date of search**
- Each column is a topic (specific to a mesh term)
- Each row represents a specific search date. Top row is **All searches**

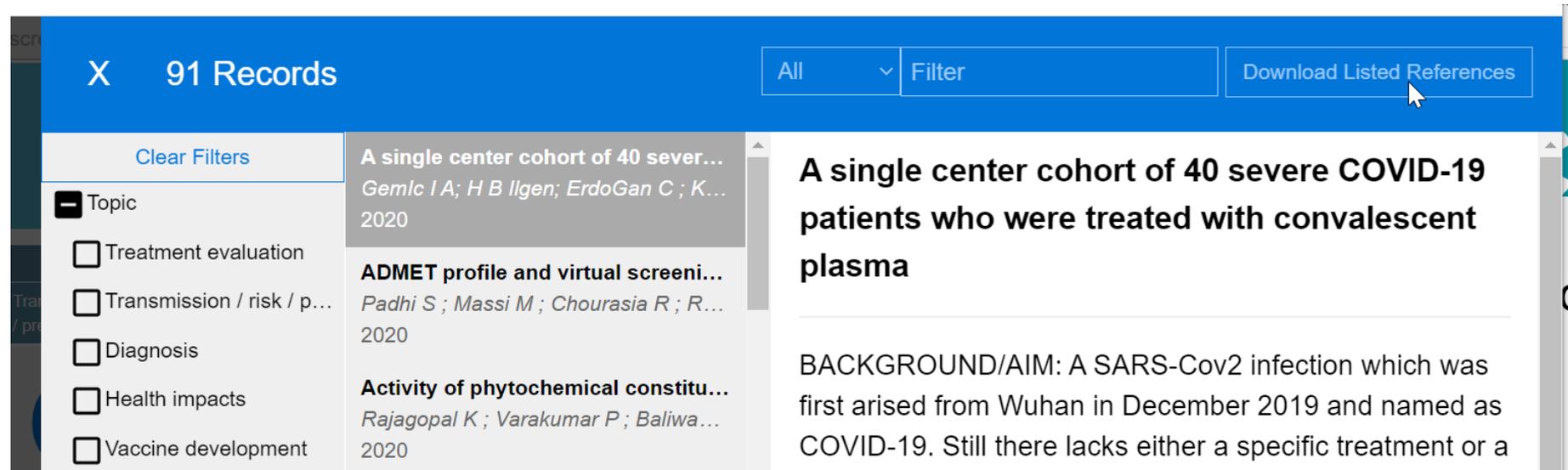


Links can be embedded into each column



- Clicking on link will take you to the relevant mesh term on the NIH website.
- Use of links is fully configurable and optional.

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



- 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).

⚙️ Filters
🗄️ Hide Headers
🖥️ Fullscreen
📄 About
📄 Submit a Study
📄 View Records

## Schools and emergency remote education during the COVID-19 pandemic: A living systematic review



This version published: 9th April 2021

An interactive evidence gap map by Dr Melissa Bond, UCL to accompany the [article](#)

Study Characteristics		School Type												
Participant Focus		Teachers	Students	Parents	School leaders	District administrators	Learning designers	Government officials	Kindergarten	Primary/Elementary School	Middle School	High School	Special needs school	Unclear
Participant Continent	Africa	•		•	•	•		•		•		•		•
	Asia	●	•	•	•	•		•	•	●	•	●	•	•
	Europe	●	•	●	•	•	•	•	•	●	•	●	•	•

<https://eppi.ioe.ac.uk/CMS/Portals/35/Living%20Review%20ERE%20-%209%20April%202021.html>

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.

### Settings

Select filtering mode:

#### Filters

- Publication language
  - English
  - German
  - Spanish
- Open Access?
  - Available open access
  - Not available open access
  - Unsure - need to check

▼ Data Extraction - Interactive Evidence Gap Map

- ▶ Publication Details
- ▶ Author Information
- ▶ Study Characteristics
- ▶ Research Focus and Methodology
- ▶ Type of ed tech
- ▼ Publication language
  - English [Info](#)
  - German [Info](#)
  - Spanish [Info](#)
- ▶ Open Access?

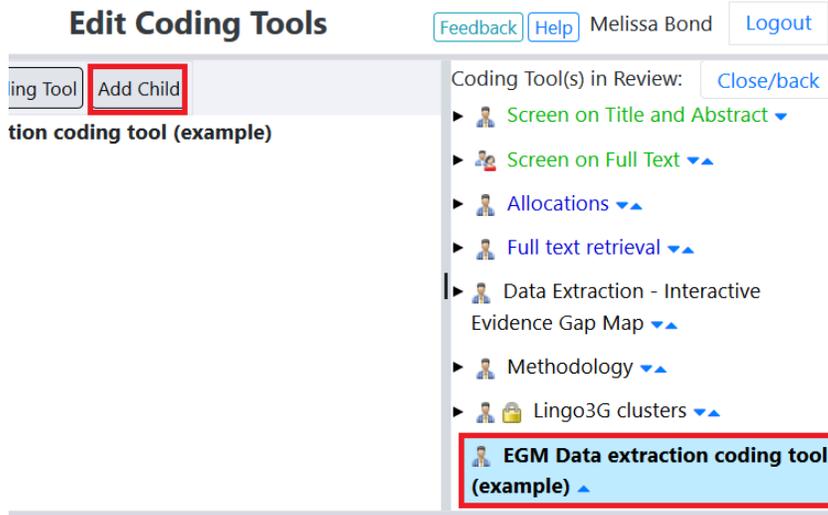
**Level 1 (non selectable code)**

**Level 2 (selectable codes)**

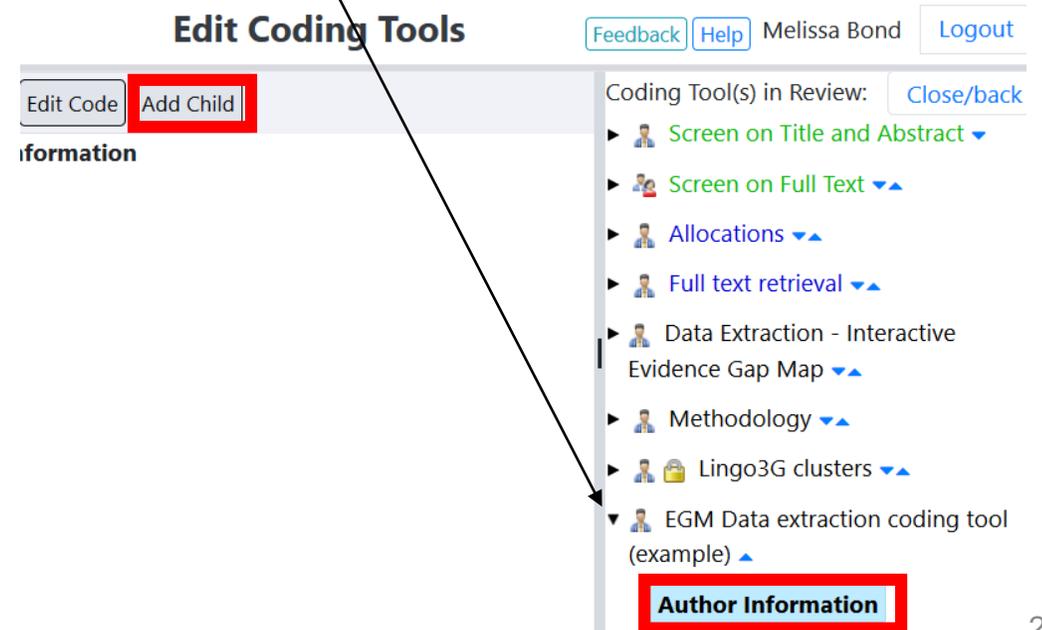
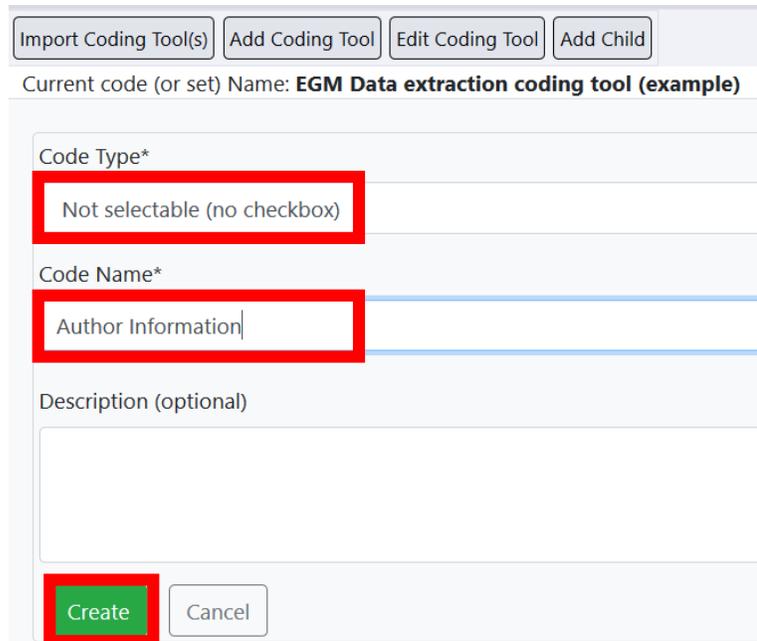
Video: [https://youtu.be/bGTYqe\\_ySyA](https://youtu.be/bGTYqe_ySyA)

The screenshot shows the ePPI interface with the 'Coding Tools' dropdown menu open. The 'Add Coding Tool' dialog box is displayed, showing the 'Current code (or set) Name: Screen on Title and Abstract', 'Coding Tool Type\* Standard', 'Coding Tool Name\*' (with a 'Name is required' error message), 'Data Entry Mode: Normal', and 'Description (optional)'. The 'Create' button is highlighted in red.

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**.



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'.



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'.

Code Add Child

Coding Tool(s) in Close/back

- ▶ Screen on Title and Abstract ▾
- ▶ Screen on Full Text ▾
- ▶ Allocations ▾
- ▶ Full text retrieval ▾
- ▶ Data Extraction - Interactive Evidence Gap Map ▾
- ▶ Methodology ▾
- ▶ Lingo3G clusters ▾
- ▶ EGM Data extraction coding tool (example) ▾
- ▼ 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, have a look at our past EPPI-Reviewer Web webinars, or consider attending the [webinar on Wednesday 30<sup>th</sup> June](#).

- 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.

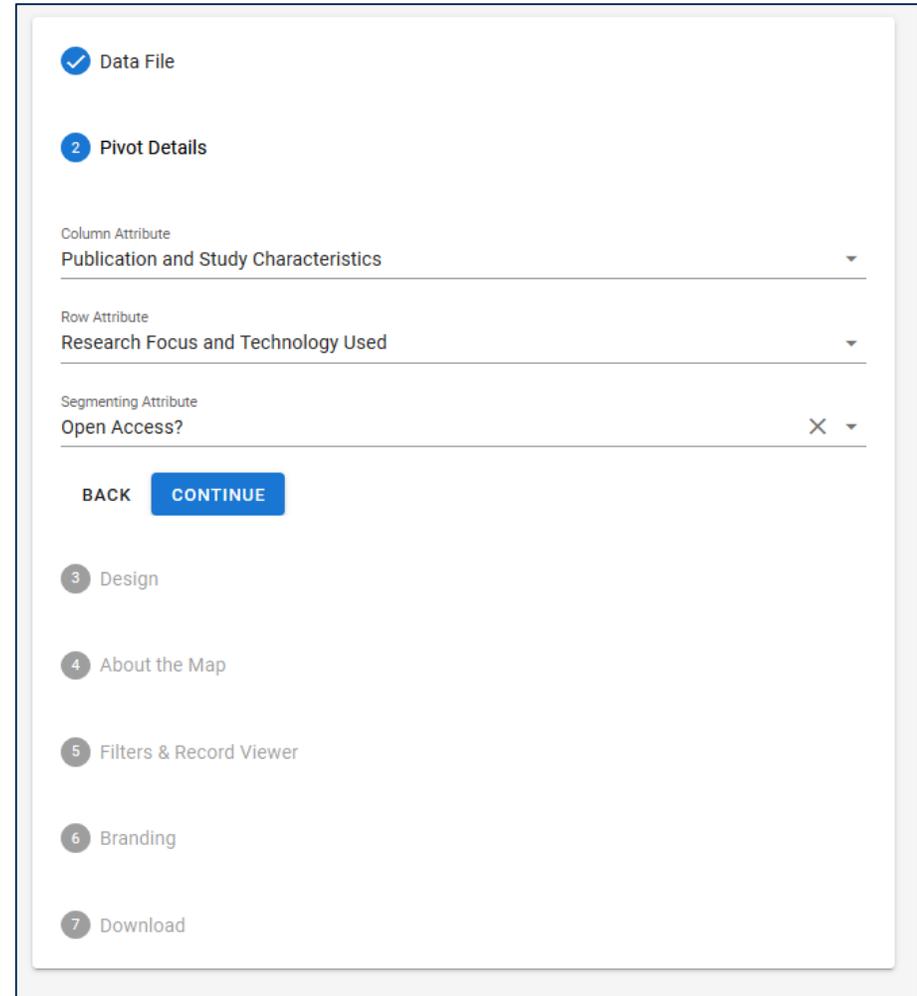
The screenshot shows the EPPI-Reviewer interface. The 'References' tab is active, and the 'Coding Report' dropdown menu is open. The 'Data Extraction - Interactive Evidence Gap Map' option is selected. The 'JSON report?' checkbox is checked, and the 'Get Report' button is highlighted in green. The interface also shows a list of items with columns for ID, Short title, Title, and Year.

ID	Short title	Title	Year
50631788	Abbasi (2020)	Perceptions of students regarding E-learning during Covid-19 at a private medical college	2020

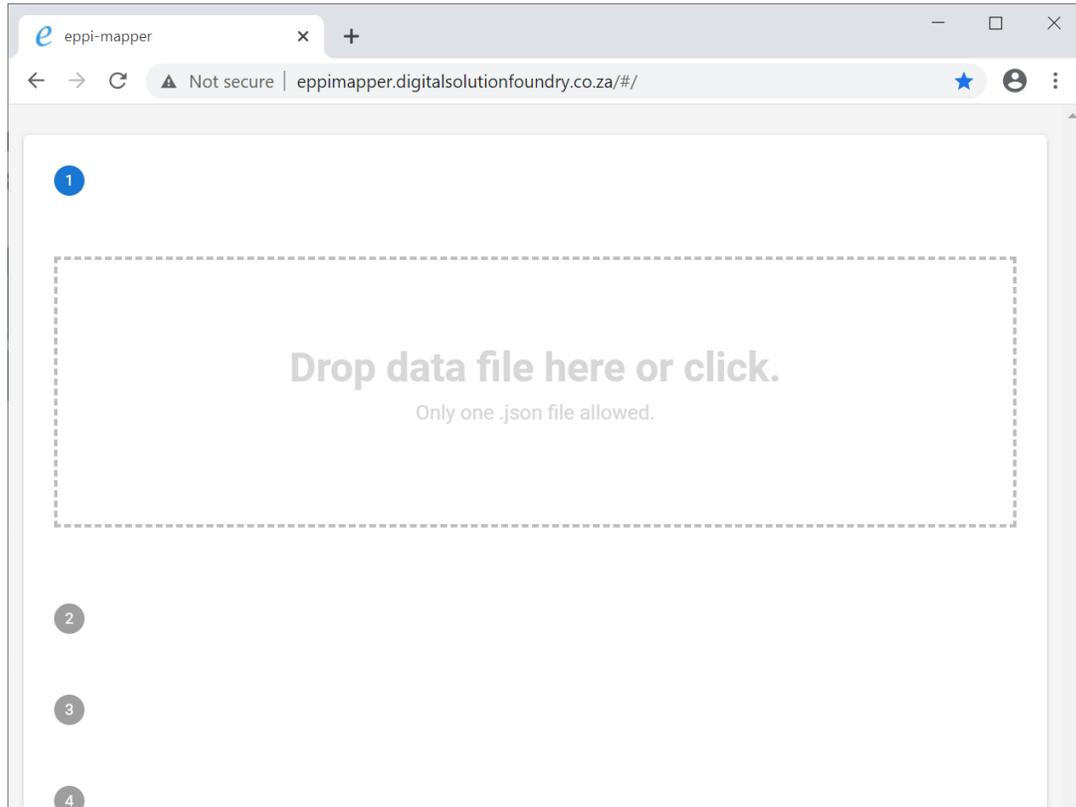
1. Go to the 'References' tab and click on 'Coding Report'.
2. Choose the coding tool to export.
3. Select the 'JSON report?' checkbox.
4. Choose which items to get the report for.
5. Click on 'Get Report'.
6. Click on the save icon and save to your device.

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

- Free for all EPPI-Reviewer users
- Uses EPPI-Reviewer data (JSON report)
- 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. The first step, 'Data File', is completed and marked with a checkmark. The second step, 'Pivot Details', is the current active step. It features three dropdown menus: 'Column Attribute' set to 'Publication and Study Characteristics', 'Row Attribute' set to 'Research Focus and Technology Used', and 'Segmenting Attribute' set to 'Open Access?'. Below these are 'BACK' and 'CONTINUE' buttons. A progress indicator at the bottom shows steps 3 through 7: 'Design', 'About the Map', 'Filters & Record Viewer', 'Branding', and '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 the Campbell mega-map project

2

Column Attribute  
Outcome

Row Attribute  
Intervention

Segmenting Attribute  
Quality to be used

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.

## 3 Design

Default Map View

Bubble ▼

Start with collapsed headers

Side Header Colour



#00695C

HEX

Top Header Colour



#00695C

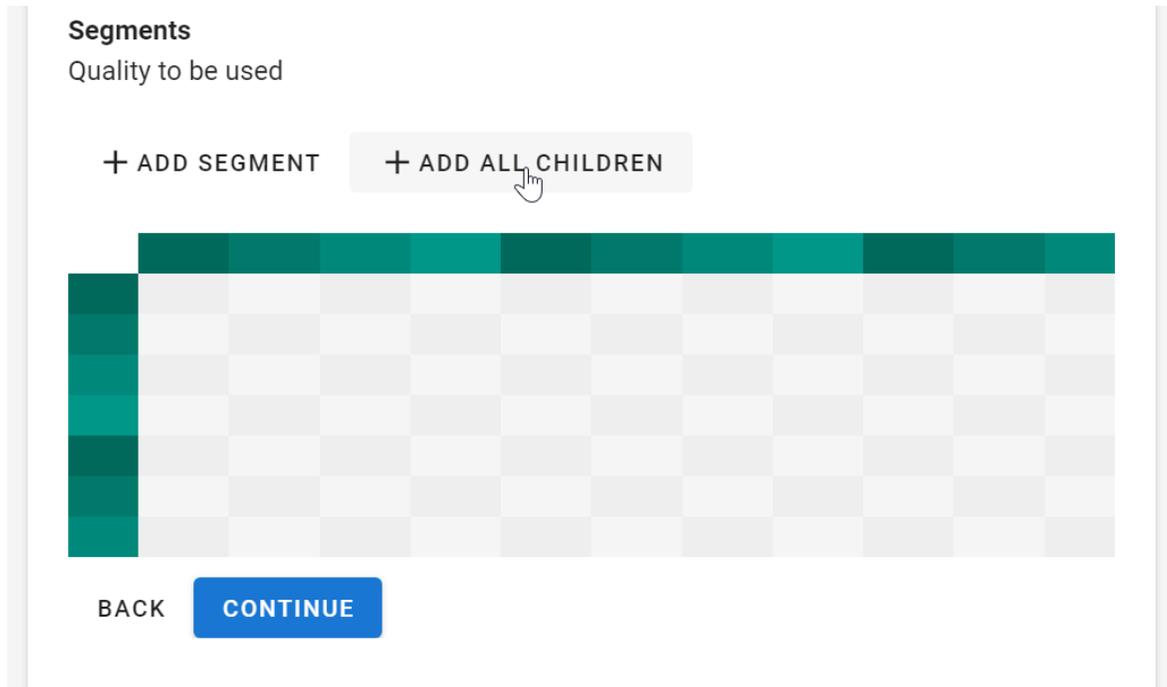
HEX

Segments

## Step 3

Choose the map appearance.

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



## Step 3 (cont.)

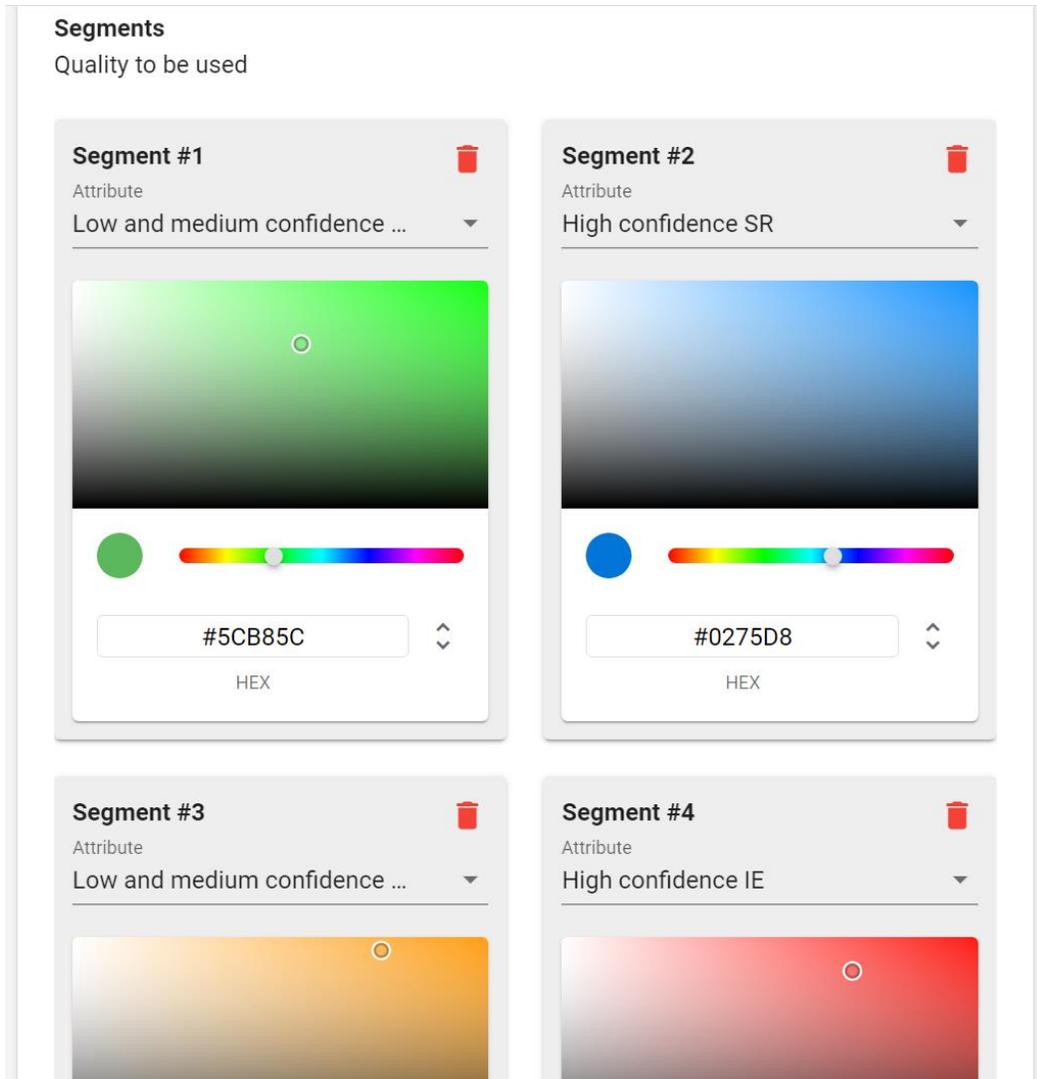
Choose bubble codes.

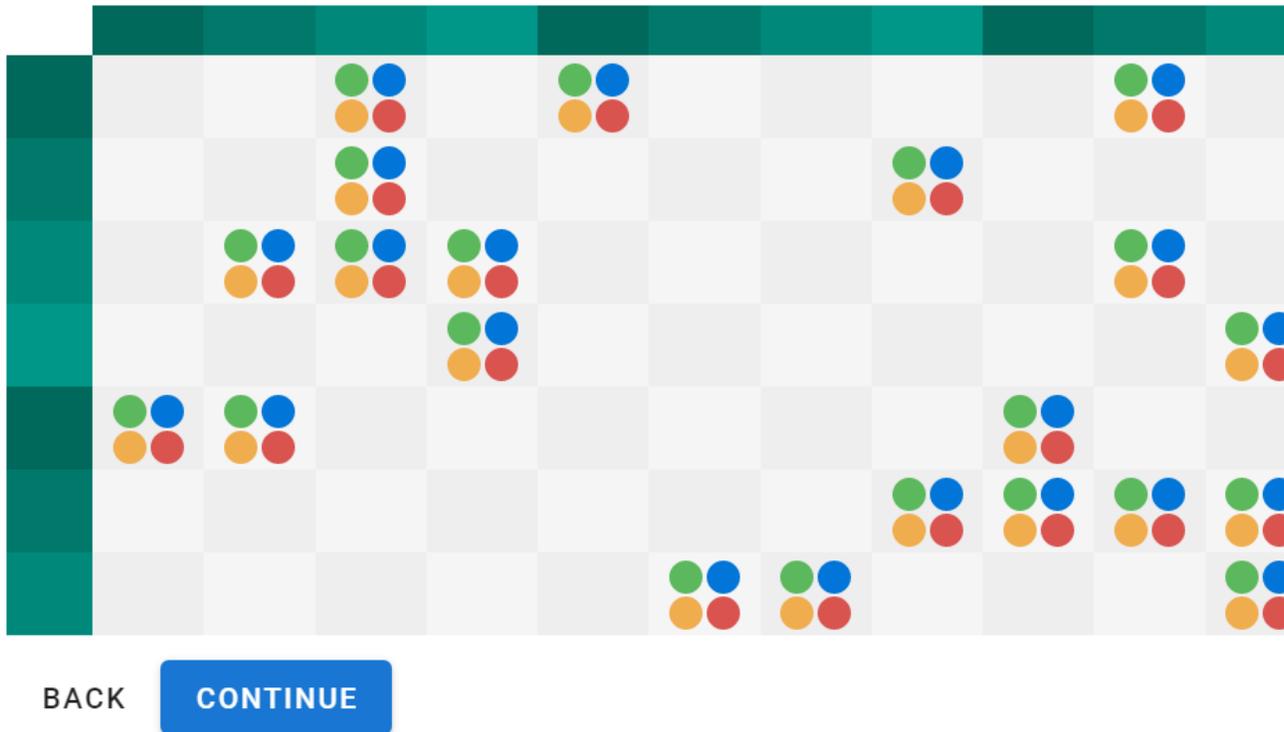
- The child codes of the selected segment will be displayed.
- You can manually select the codes (up to 4) or have the utility select the first 4 listed (Add all children).

## 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





## 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.

A: ¶: +: ↶ ↷ ⋮

Type something

**Submitting Studies**

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

A: ¶: +: ↶ ↷ ⋮

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

Allow records to be downloaded in RIS format

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

Record Meta Properties ▼  
Select all the properties you want to show in the record viewer.

Remove abstracts

BACK **CONTINUE**

## Step 5

Set the **Export records** option.

Select the **filters** to display.

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.

6 Branding

## Branding

A: ¶: +: ↶ ↷ ⋮

Type something

BACK

CONTINUE

A: ¶: +:

🔗 🖼️ 🎥 📄 😊 -

Type something

1 x 3

■	■	■	□	□	□	□	□	□	□
□	□	□	□	□	□	□	□	□	□

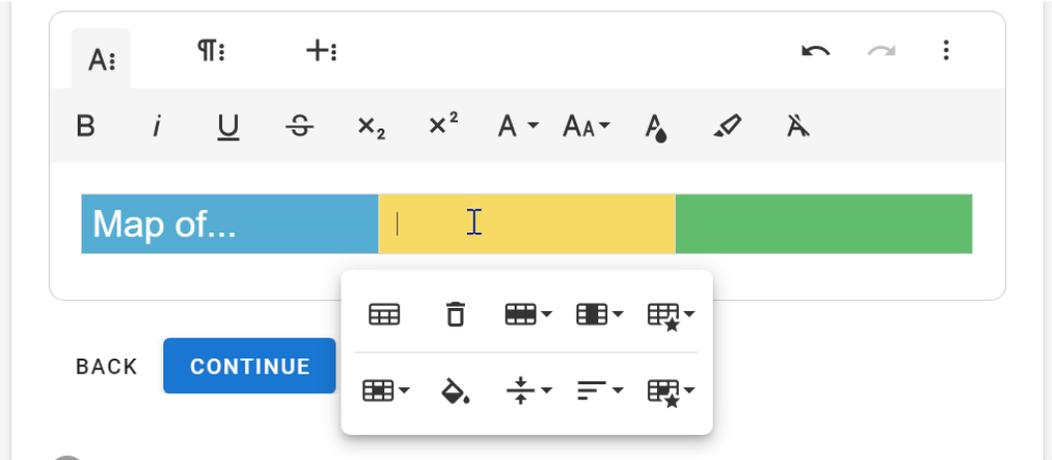
BACK

CONTINUE

## Step 6

## Branding

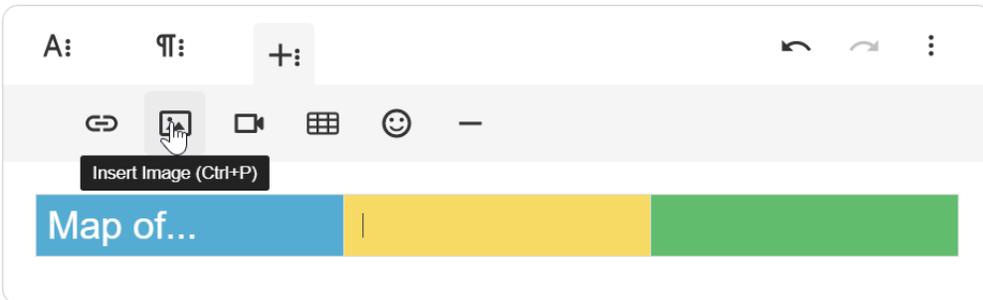
- Creating a table in the header will allow you to arrange text and images.
- Insert images.



## 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**

## 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 new 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 displays the EPPI-Visualiser interface for a specific record. The main content area shows the title 'Emergency Remote Teaching in higher education during the COVID-19 pandemic' and a subtitle 'A living map of empirical research'. The introduction text states: 'This open access database was created by Dr Melissa Bond for the living systematic review article entitled 'Emergency remote teaching in higher education: Mapping the first global online semester', which has been submitted for peer review, and authored by Dr Melissa Bond, Dr Svenja Bedenlier, Dr Victoria Marin, and Dr Marion Haendel. A pre-print of the article can be found here.' It also mentions that the database was created using the EPPI-Visualiser tool within EPPI-Reviewer and is updated live with new studies. The abstract reads: 'Resulting from the Covid-19 pandemic that spread globally in 2020, higher education courses were subsequently offered in full remote, online'. The interface includes a sidebar with navigation options like 'List records', 'Frequencies', and 'Data Extraction'. On the right, there are charts for 'Publications by year' (a horizontal bar chart showing 2020 with approximately 360 publications and 2021 with approximately 20) and 'Frequencies: Participant Continent' (a horizontal bar chart showing the highest frequency in Asia, followed by Europe and North America).

ePPI CENTRE
Home All records Logout

Search records...
Title and Abstract

List records Frequencies

## Emergency Remote Teaching in higher education during the COVID-19 pandemic

A living map of empirical research

Living review updates

Review as of 8 Jan 2021

Imported items of 27 March 2021 (still)

Data Extraction

- ▶ Publication Details
- ▶ Author Information
- ▶ Study Characteristics
- ▶ Research Focus and Methodology
- ▶ Type of ed tech
- ▶ Publication language
- ▶ Open Access?

### Introduction

This open access database was created by [Dr Melissa Bond](#) for the living systematic review article entitled 'Emergency remote teaching in higher education: Mapping the first global online semester', which has been submitted for peer review, and authored by Dr Melissa Bond, Dr Svenja Bedenlier, Dr Victoria Marin, and Dr Marion Haendel. A pre-print of the article can be found [here](#).

This database was created using the [EPPi-Visualiser](#) tool within [EPPi-Reviewer](#). As it is connected to the underlying review data, it will be updated live with any new studies added or data extracted.

Further information: [ResearchGate project](#)

**Abstract:** Resulting from the Covid-19 pandemic that spread globally in 2020, higher education courses were subsequently offered in full remote, online

### Frequencies: Participant Continent

Table Bar Pie Table (new page)

Continent	Frequency
Africa	15
Asia	350
Europe	340
Middle East	180
North America	280
Oceania	10
South and Central America	120
Global	5

### Publications by year

Bar Pie

Year	Count
2020	350
2021	20
Unknown	10

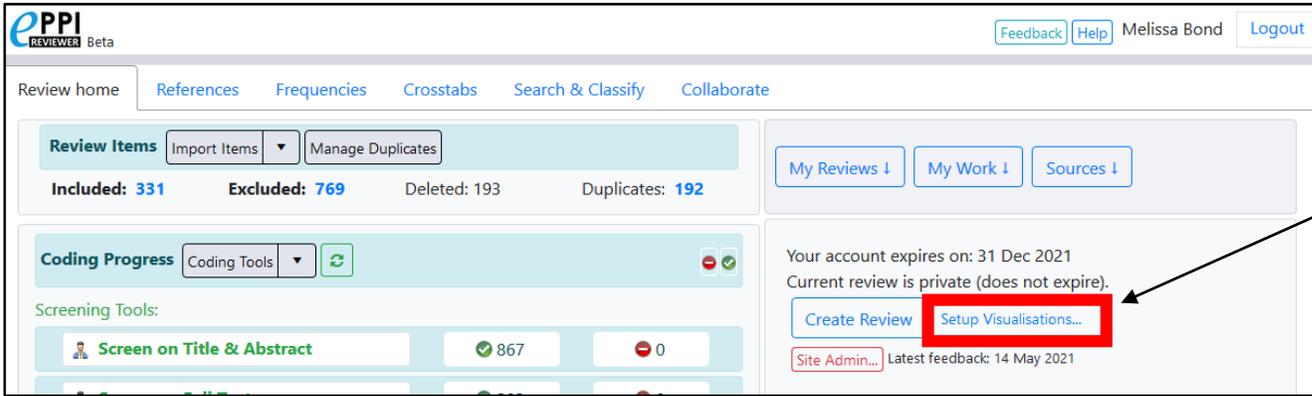
### Crosstabs

Full Crosstab

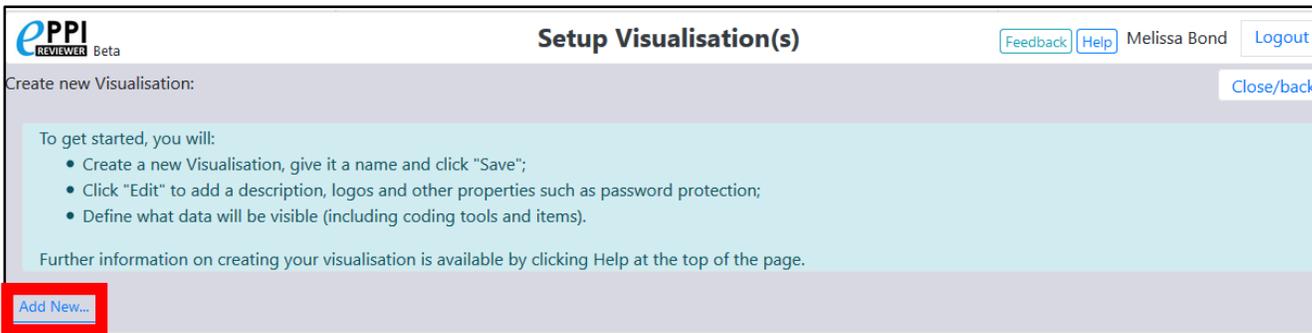
Self Crosstab Participant Continent

Set X axis

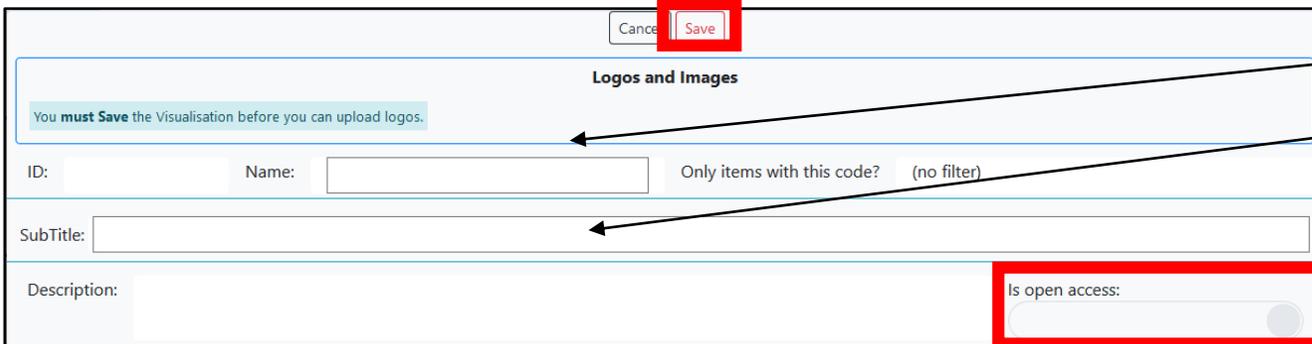
<https://eppi.ioe.ac.uk/eppi-vis/login/open?webdbid=6>



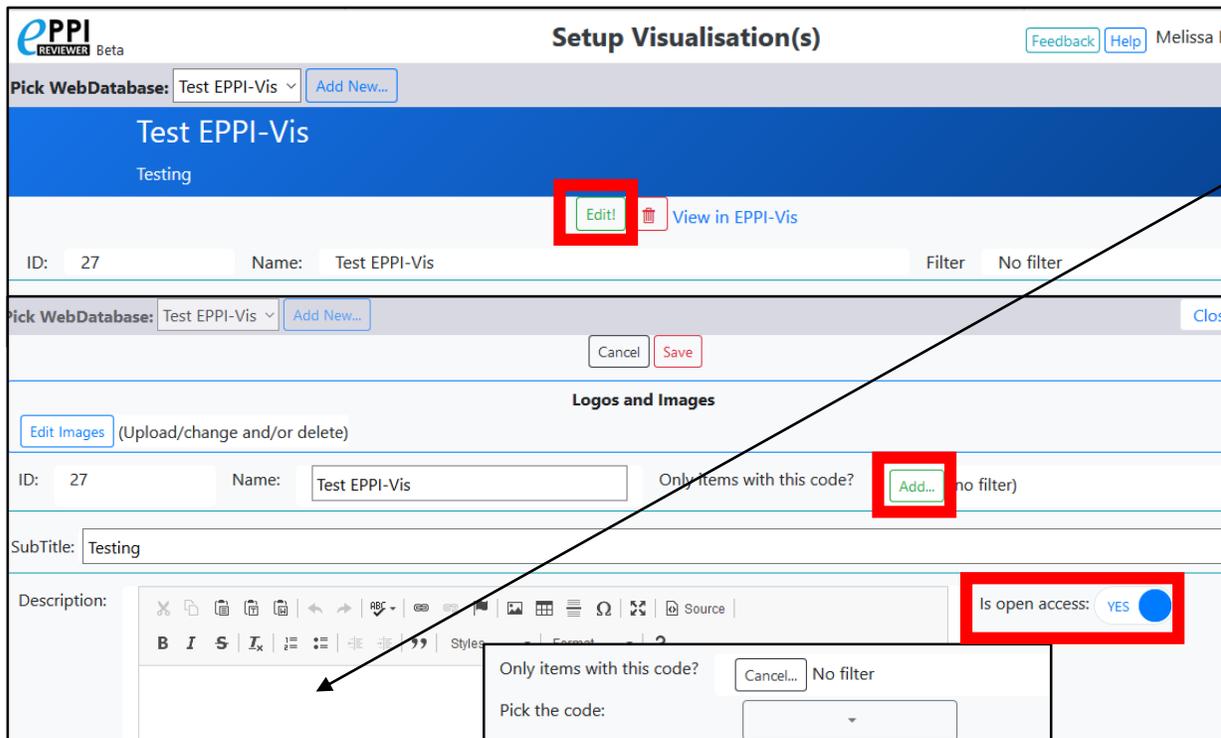
1. On the Review Home page, click on the blue 'Setup Visualisations' button.



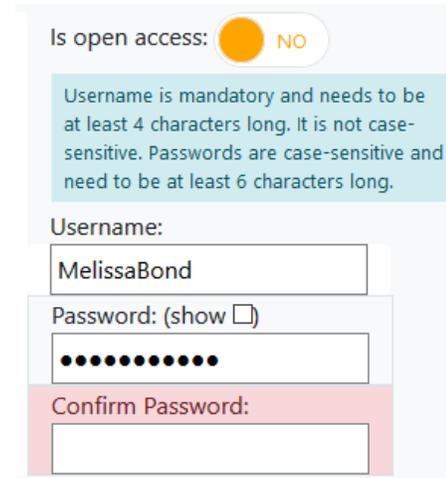
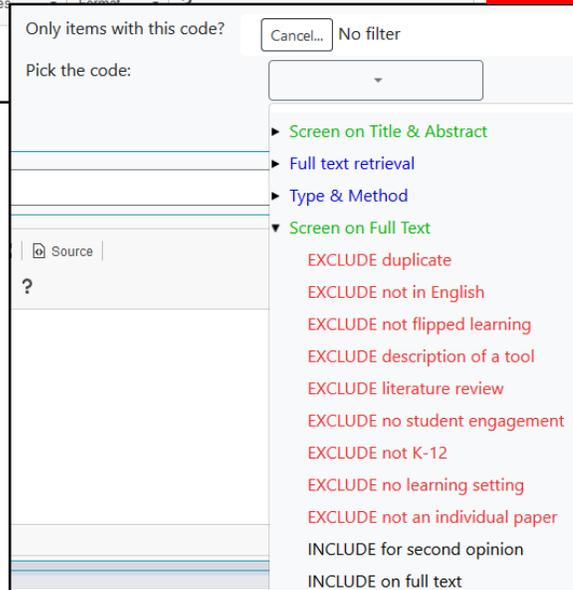
2. Click on 'Add New...'

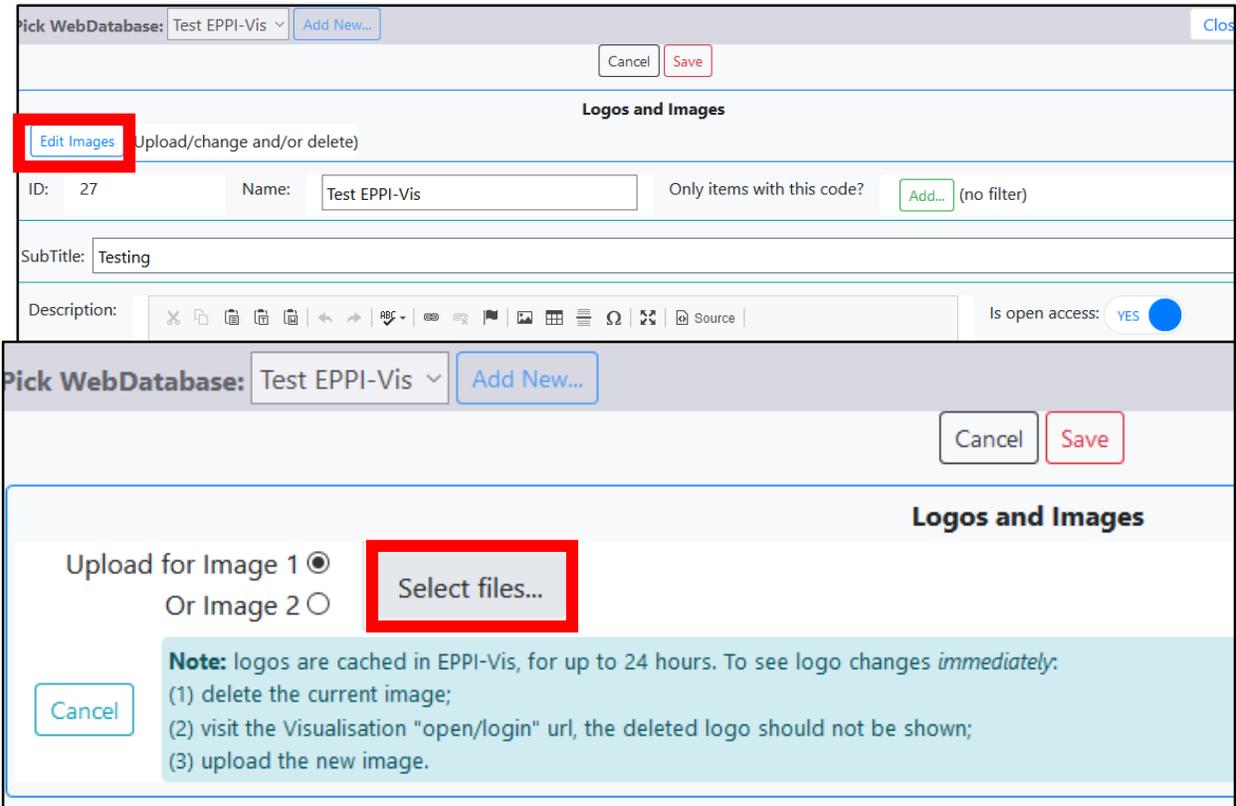


3. Type in a database name.
4. Type in a Subtitle (optional).
5. If you want to assign a password to it, click on the toggle under 'Is open access' and type in a password (This can also be done later).
6. Click 'Save'.

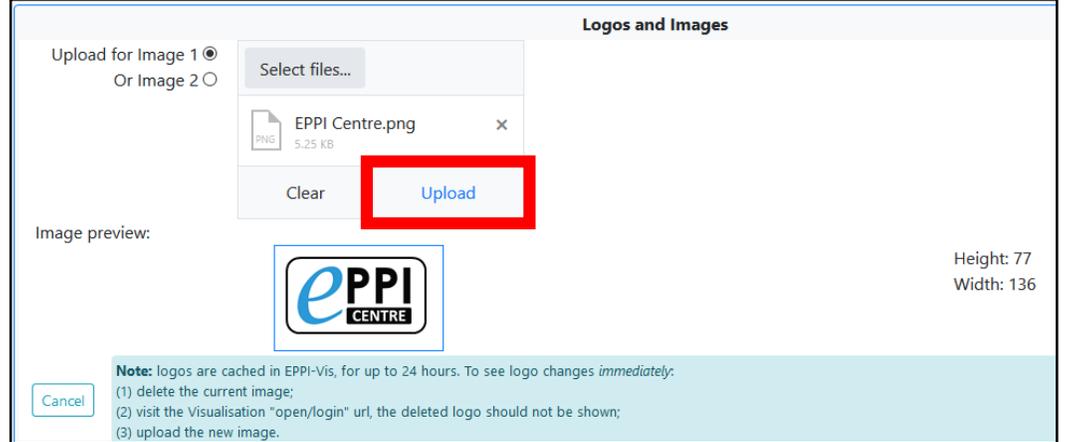


1. Click the green 'Edit!' button.
2. Type in a description – will appear in the 'Introduction' section.
3. If you only want to include studies that have a certain code, e.g. 'Include on Full Text', click on the green 'Add' button.
4. If you want to assign a password to it, click on the toggle next to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

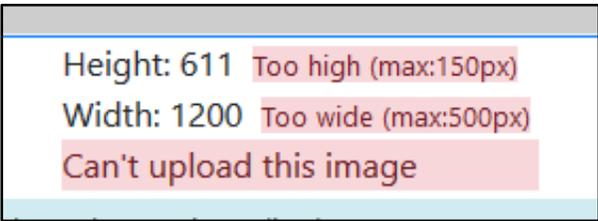




1. To upload images, click on 'Edit' and then the blue 'Edit Images' button.
2. Click on 'Select files...', choose the first image from your device.
3. Preview the image and click on 'Upload'.



4. If your image is too big, you will get a warning message.



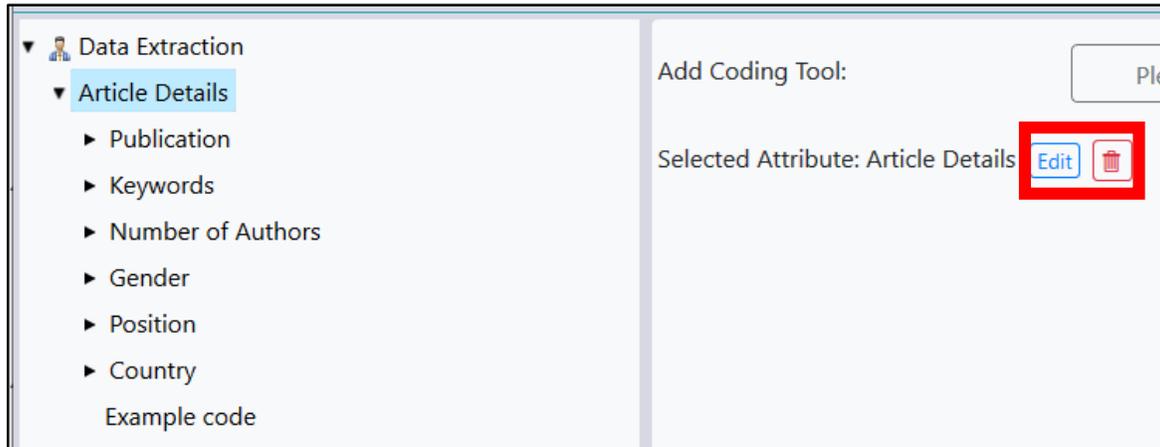
5. To add another image, click on 'Edit Images' again and repeat the steps for Image 2.



The database website address (URL) is now displayed.

You can now choose which coding tools you would like to have displayed. To do this:

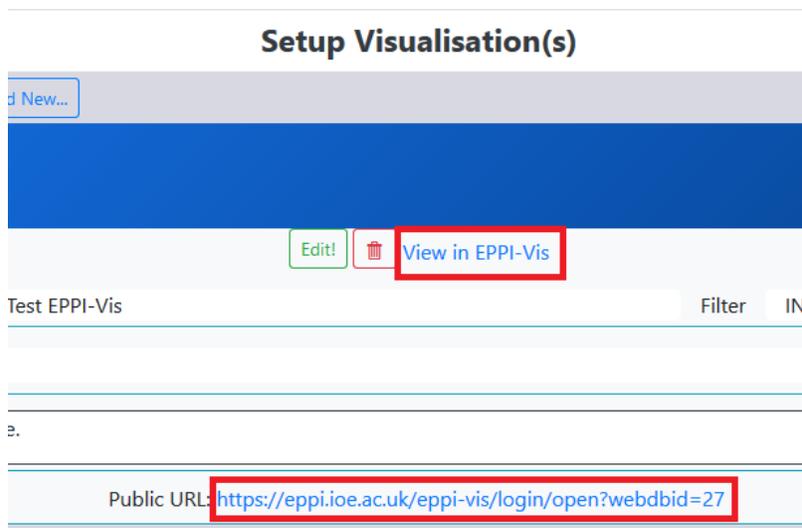
1. Click on 'Please select'.
2. Choose the coding tool and click 'Add!'.



You can also choose to have certain codes not appear in your database.

➤ This does not delete the codes from your review!

1. To remove a code completely, click on the red bin icon.
2. To change the name of a code within your EPPI-Vis, click on 'Edit', change it and click on 'Save'.
  - Only changes how it appears in EPPI-Vis.



Now that your EPPI-Vis database has been setup, you can click on 'View in EPPI-Vis' or simply click on the blue URL link to see a preview.

Once you're happy with it, simply share the link.

# Q & A / Discussion

Do you have any specific questions about your own review/project?

*talk to  
me*

# Professional development opportunities

## Introduction to EPPI-Reviewer Web

- Free online webinar
- Wednesday, 30<sup>th</sup> June 2021
- 10am-11:30am (BST)
- Register [here](#)

## Scoping reviews, mapping reviews and evidence gap maps

- Online course – the University of Sheffield
- Wednesday, 7<sup>th</sup> July 2021
- Time TBA
- More info and registration [here](#)

## Using Microsoft Academic in EPPI-Reviewer Web

- Free online webinar
- Friday, 23<sup>rd</sup> July 2021
- 11am-12pm (BST)
- Register [here](#)

The graphic is a white rectangular box with a black border. At the top, there is a teal header bar containing the text 'INSTITUTE OF EDUCATION' on the left, the 'ePPI CENTRE' logo in the middle, and the 'UCL' logo on the right. Below the header, the text 'Free EPPI-Reviewer Webinars' is centered in a bold, dark blue font. Underneath, three dates and topics are listed in bold black text: '18 June 2021 – Creating evidence gap maps', '30 June 2021 – Introduction to EPPI-Reviewer Web', and '23 July 2021 – Using Microsoft Academic'. At the bottom left, contact information for Dr Melissa Bond is provided in a dark blue font, including her title 'EPPI-Reviewer Support Officer' and email address 'EPPIsupport@ucl.ac.uk'. Below the contact info are two Twitter icons with handles '@misc\_nerd' and '@EPPIReviewer'. At the bottom right is a large logo for 'ePPI REVIEWER' with 'ePPI' in blue and 'REVIEWER' in white on a black background.

INSTITUTE OF EDUCATION

ePPI CENTRE

UCL

**Free EPPI-Reviewer Webinars**

**18 June 2021 – Creating evidence gap maps**

**30 June 2021 – Introduction to EPPI-Reviewer Web**

**23 July 2021 – Using Microsoft Academic**

Dr Melissa Bond  
EPPI-Reviewer Support Officer  
[EPPIsupport@ucl.ac.uk](mailto:EPPIsupport@ucl.ac.uk)

@misc\_nerd @EPPIReviewer

ePPI REVIEWER

# 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.
- Information about [using Microsoft Academic Graph](#) within EPPI-Reviewer.
- [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

## Dr Melissa Bond



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Website: <http://classroomlearningtools.weebly.com/>

ResearchGate: <https://www.researchgate.net/profile/Melissa-Bond-5>

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

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