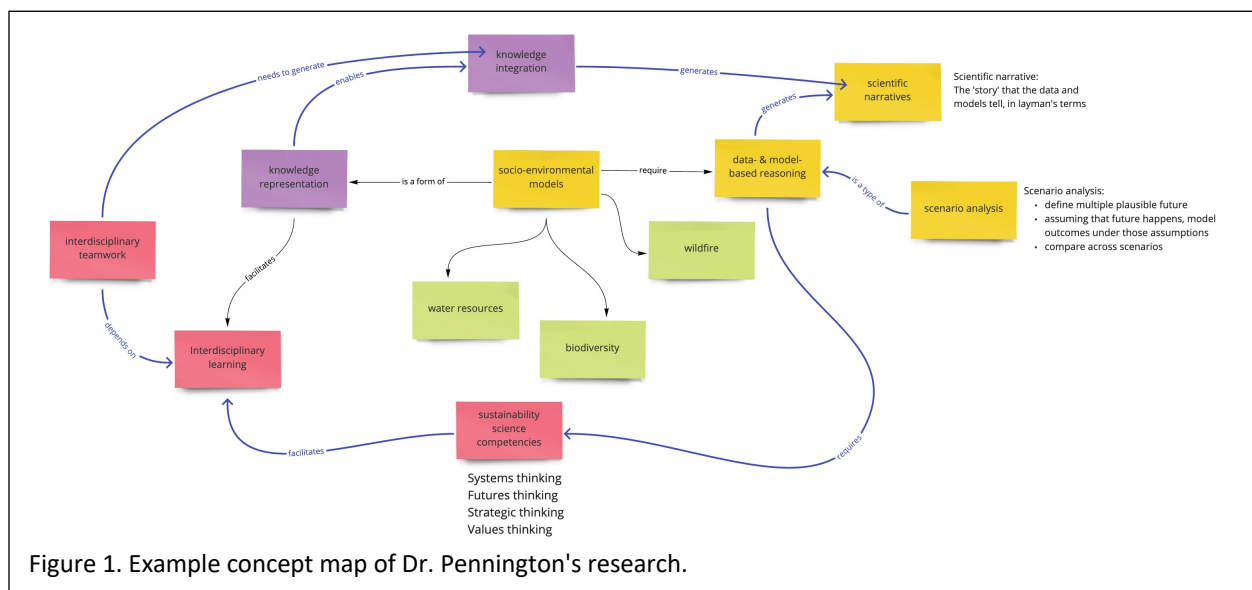


Miro: <https://miro.com/app/dashboard/>

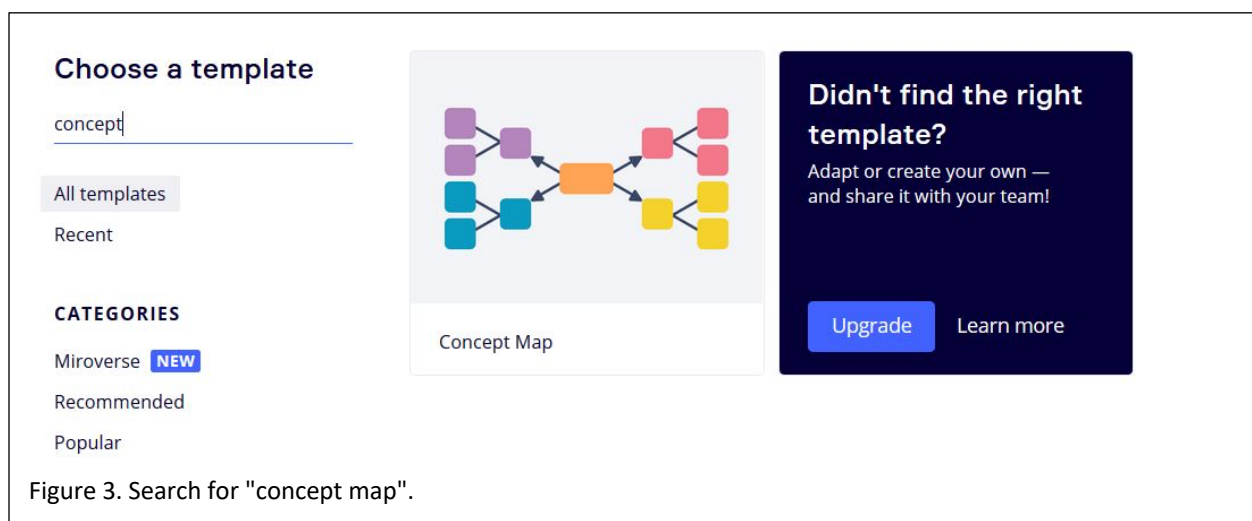
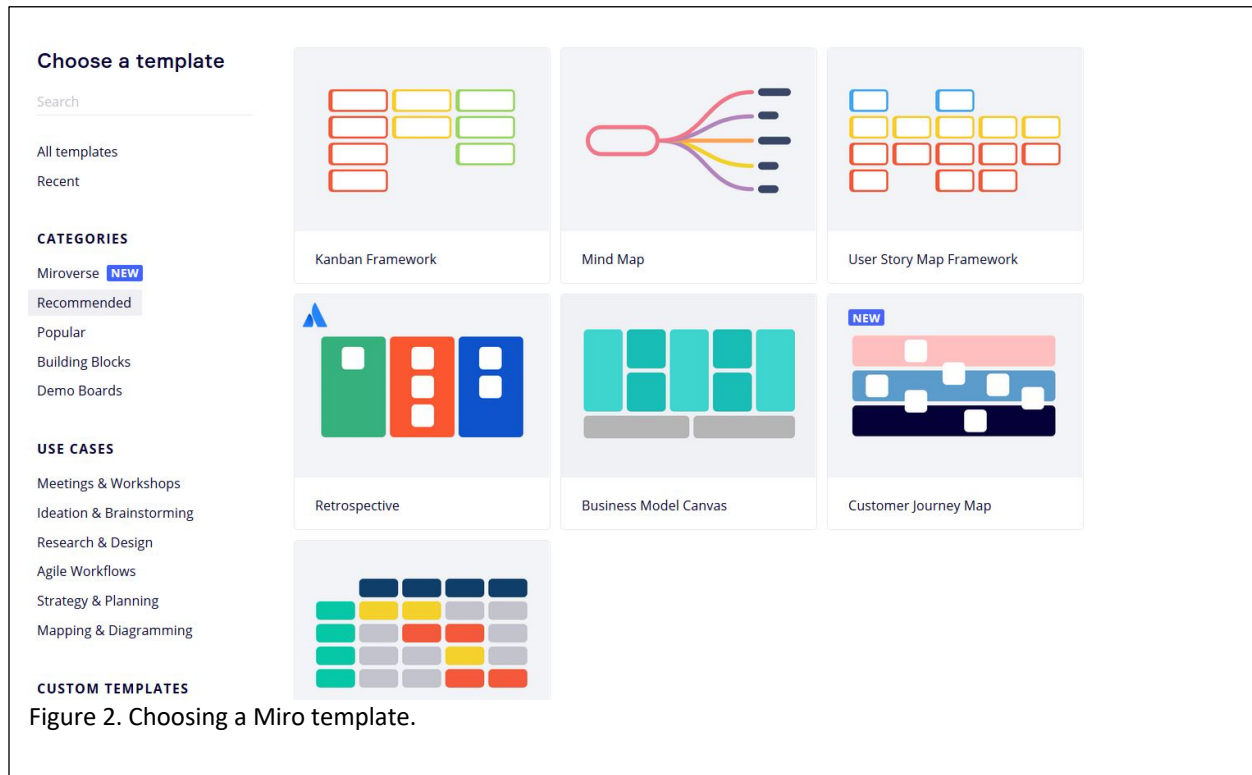
Miro is a collaborative online whiteboarding system. You must register to use the system, since it stores your content online. The free version provides 3 whiteboards per account – that is all you will need. Before the workshop, each of you will create a concept map of your research using your Miro account (Figure 1). Export your concept map as a PDF and be ready to upload it to your team's shared Miro board during the workshop (pending team assignments).

During the workshop, you will explain your research to your teammates using your Miro concept map as a visual aid (Fig. 1). Then as a team you will co-create an integrated concept map showing potential linkages between team members' research. More instructions will be given during the workshop, but please create your individual concept map in advance to get used to the technology, and to save time during the workshop. See detailed instructions below.

**IF you have technical challenges that prohibit you from being able to do this in Miro, PLEASE still do a concept map however you want (Powerpoint, other software, paper/markers then photograph the map, etc.). You must have a digital diagram in the shared Miro board prior to the workshop.**



**Detailed instructions:** Register in Miro. Create a new board by clicking on the plus sign in the blue box. When the canvas opens, it should prompt you to choose a template (Figure 2). Search for 'Concept map' and hover over the concept map that appears on the right and select "Add" (Figure 3). [If the system does not prompt you for a template, there is a toolbar on the left side. The second or third icon from the top looks like two measuring sticks. Click that, and it will open the templates to choose from.]



The canvas will pre-populate with colored sticky notes (Figure 4). Select the arrow icon at the top of the toolbar on the left. This will allow you to move individual sticky notes around. Key functions:

- Double-click on a sticky note to add text;
- Click once on a sticky note and there will be 4 blue dots. Clicking on one of those will allow you to add a link from the selected note to any other notes;
- Click once on a sticky note to get a popup menu where you can change formatting;
- Click once on a link to get a popup menu where you can change the direction of the arrow or change formatting. You can also add text to the link using +T; and
- Click once on a sticky note or link and press delete on your keyboard to remove items.

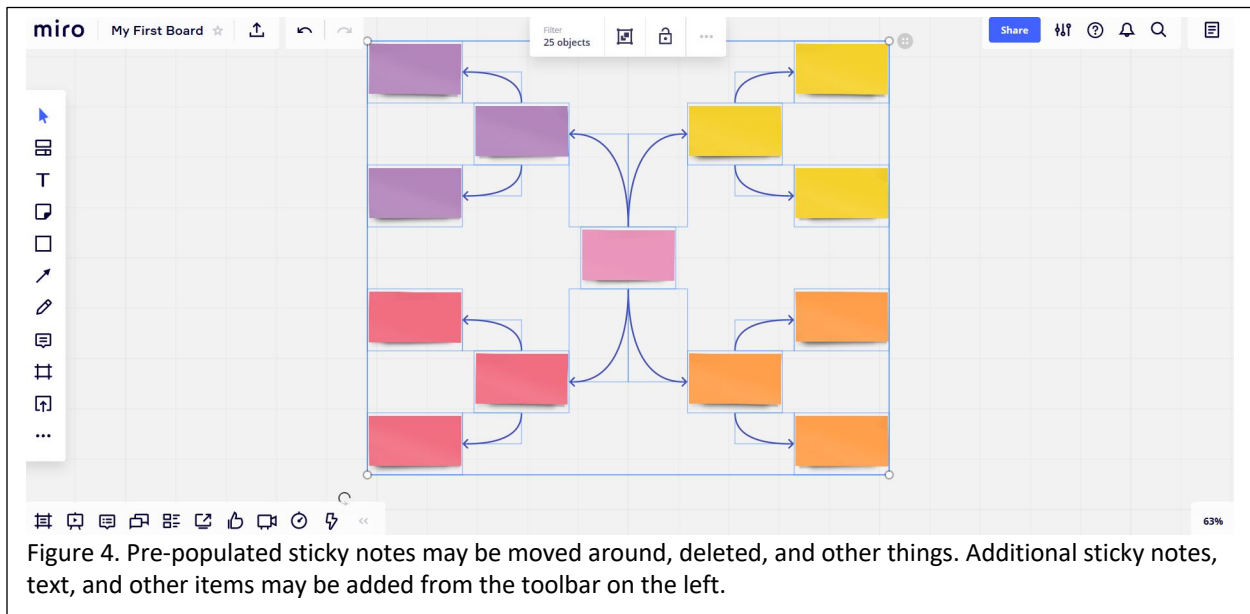


Figure 4. Pre-populated sticky notes may be moved around, deleted, and other things. Additional sticky notes, text, and other items may be added from the toolbar on the left.

The above functions will do everything you need for this task (although there is a lot more functionality if you play with it). Some tips to get started:

- Think of ten keywords related to your research. Add one keyword or phrase to each sticky note;
- Use high level terms that people outside your discipline might understand to add context to more specific terms they might not understand;
- Group and color code the sticky notes;
- Change the links to reflect relationships between keywords;
- Keep it simple. Too many stickies makes it hard for someone else to understand.

When you are finished, place a frame around your concept map using the tool that looks like a tic-tac-toe box (you may need to scroll down to see it; it is below the chat icon). Export the map as an image or PDF. Go to your team's shared Miro board. Upload your concept map to your team's board using the icon with an up arrow inside a box, right below the frame icon.