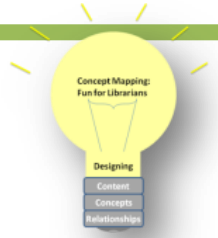


Concept Mapping For Librarians

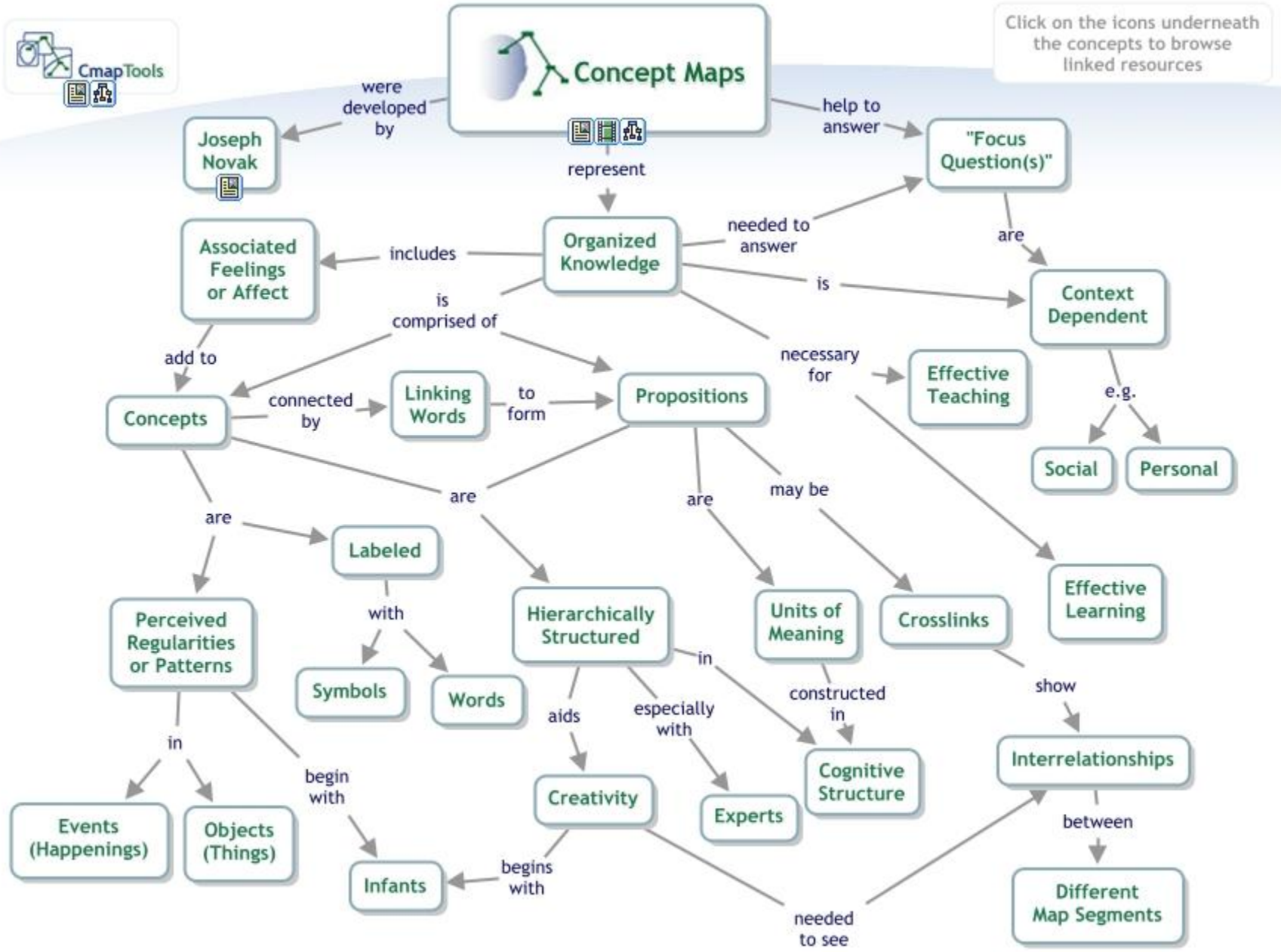
Collaborating
- Creation
- Organization
- Communication

Designing
- Content
- Concepts
- Relationships

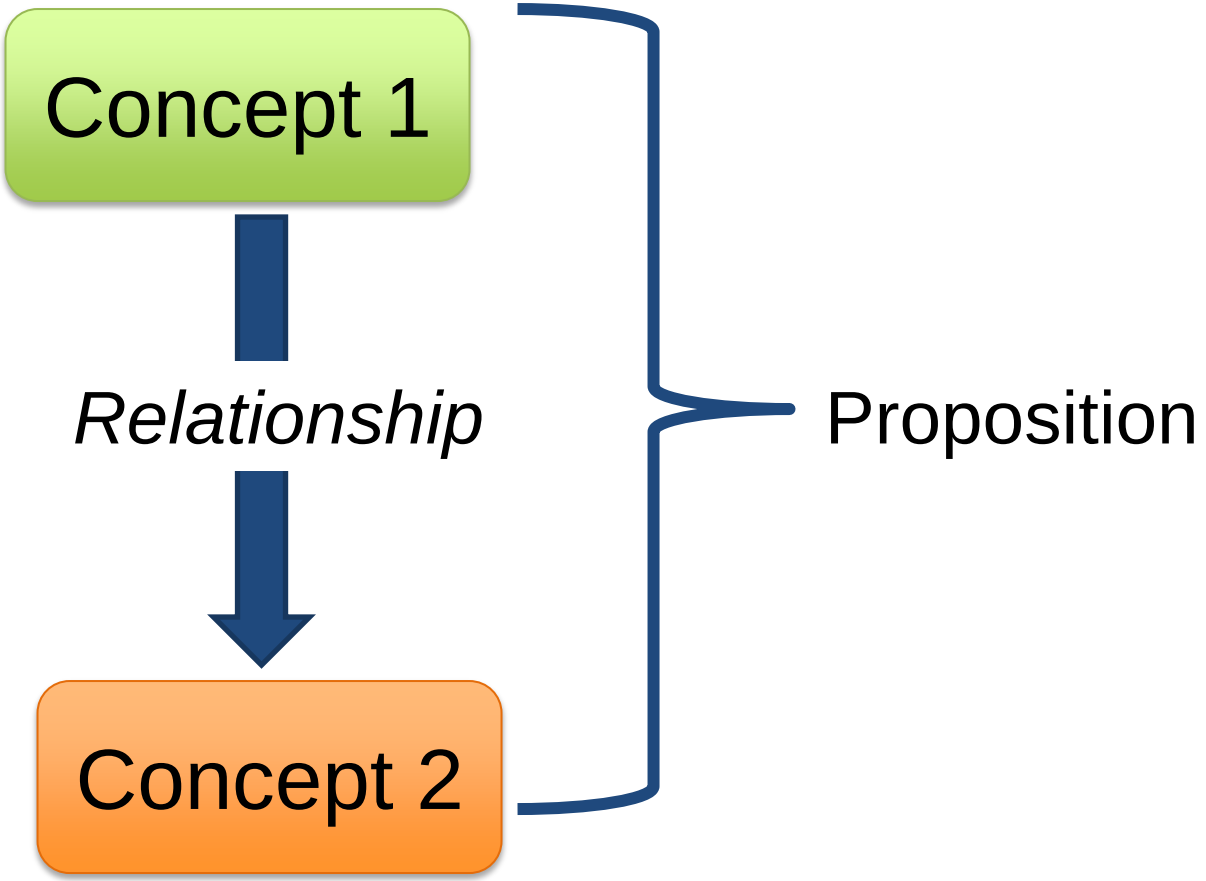
Teaching
- Active learning
- Demonstration
- Evaluation

Examples

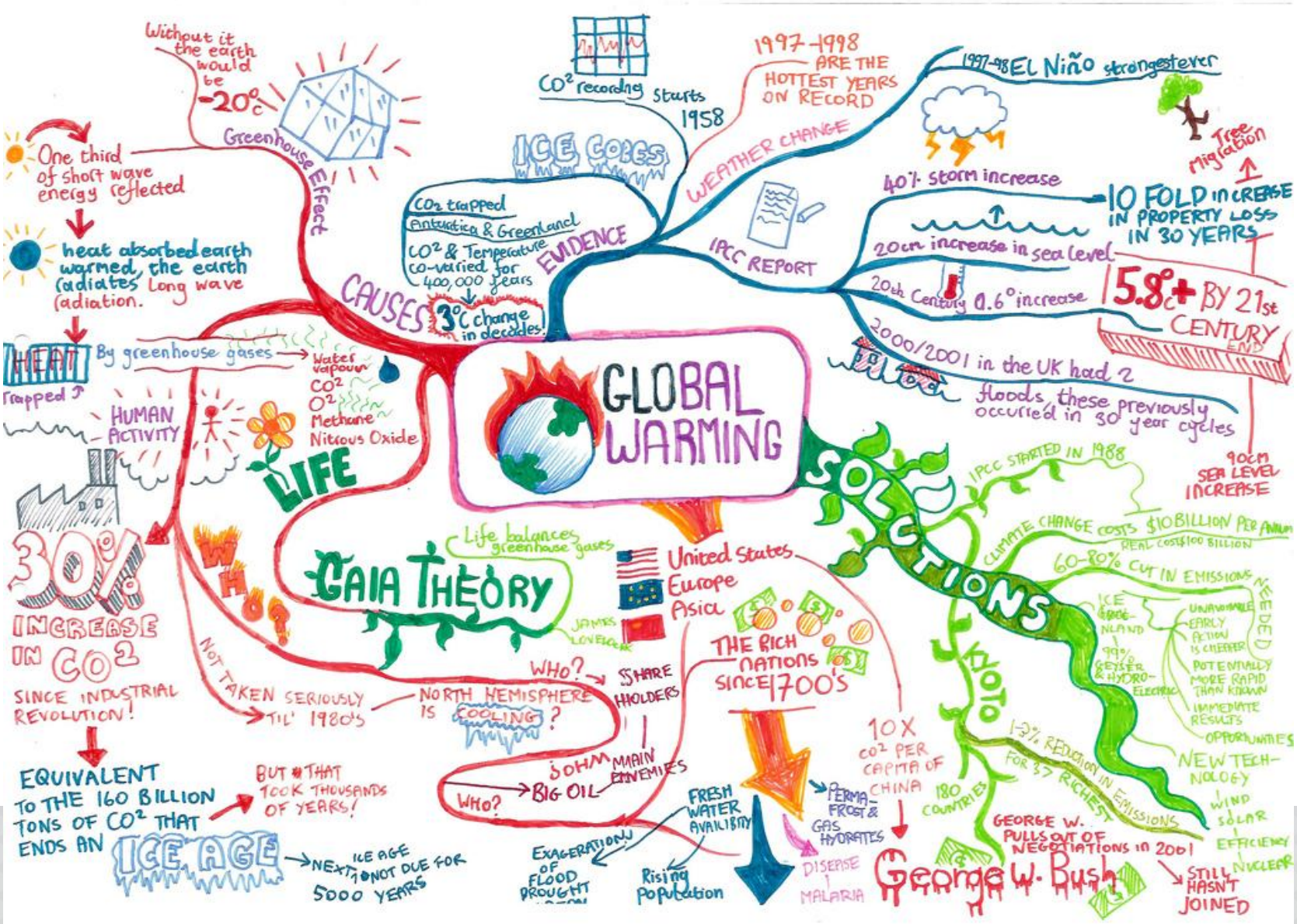
April Colosimo & Megan Fitzgibbons, November 2010



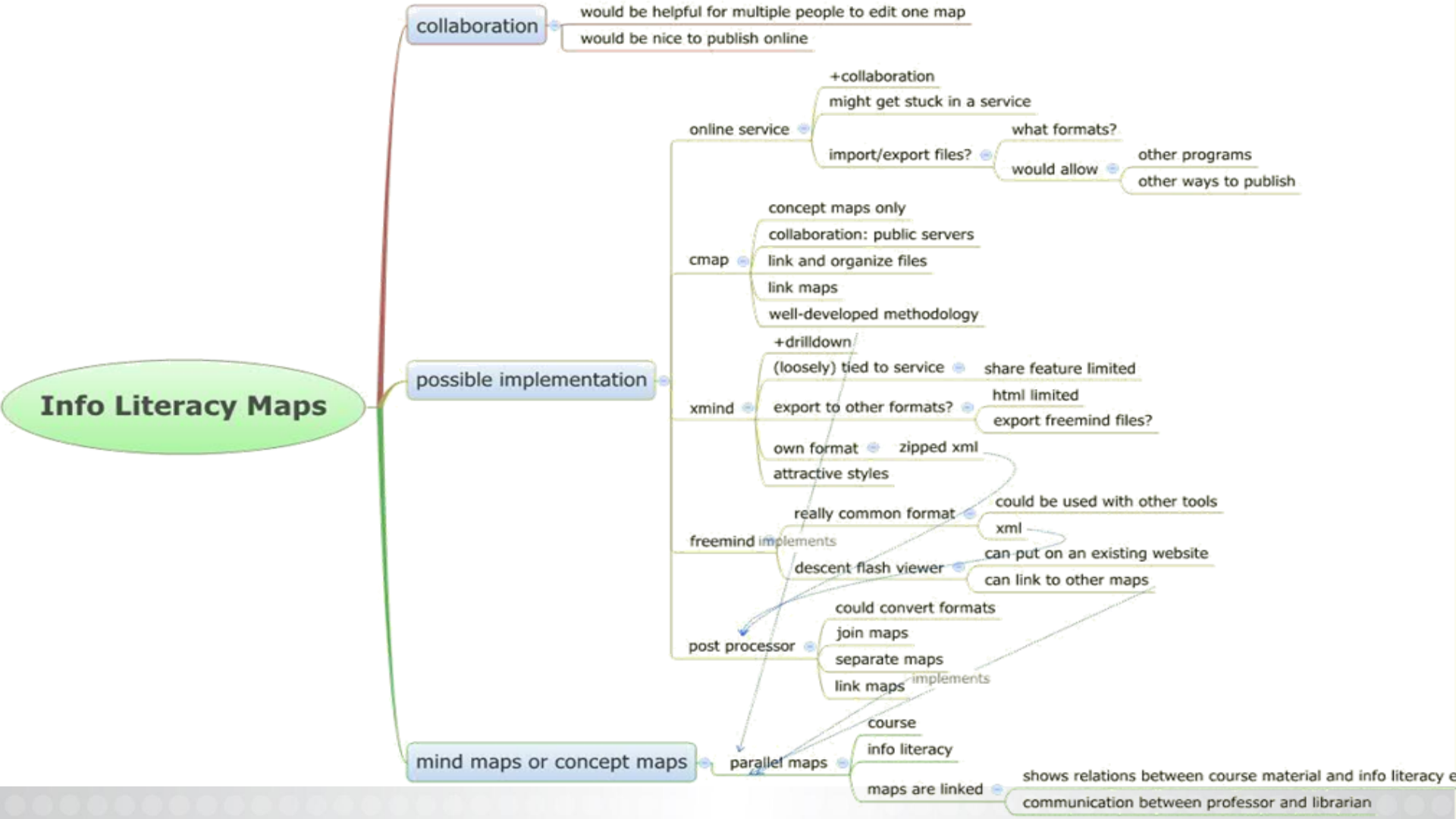
From
http://cmap.ihmc.us/conceptmap.html


Concept 1
Relationship
Concept 2
Proposition

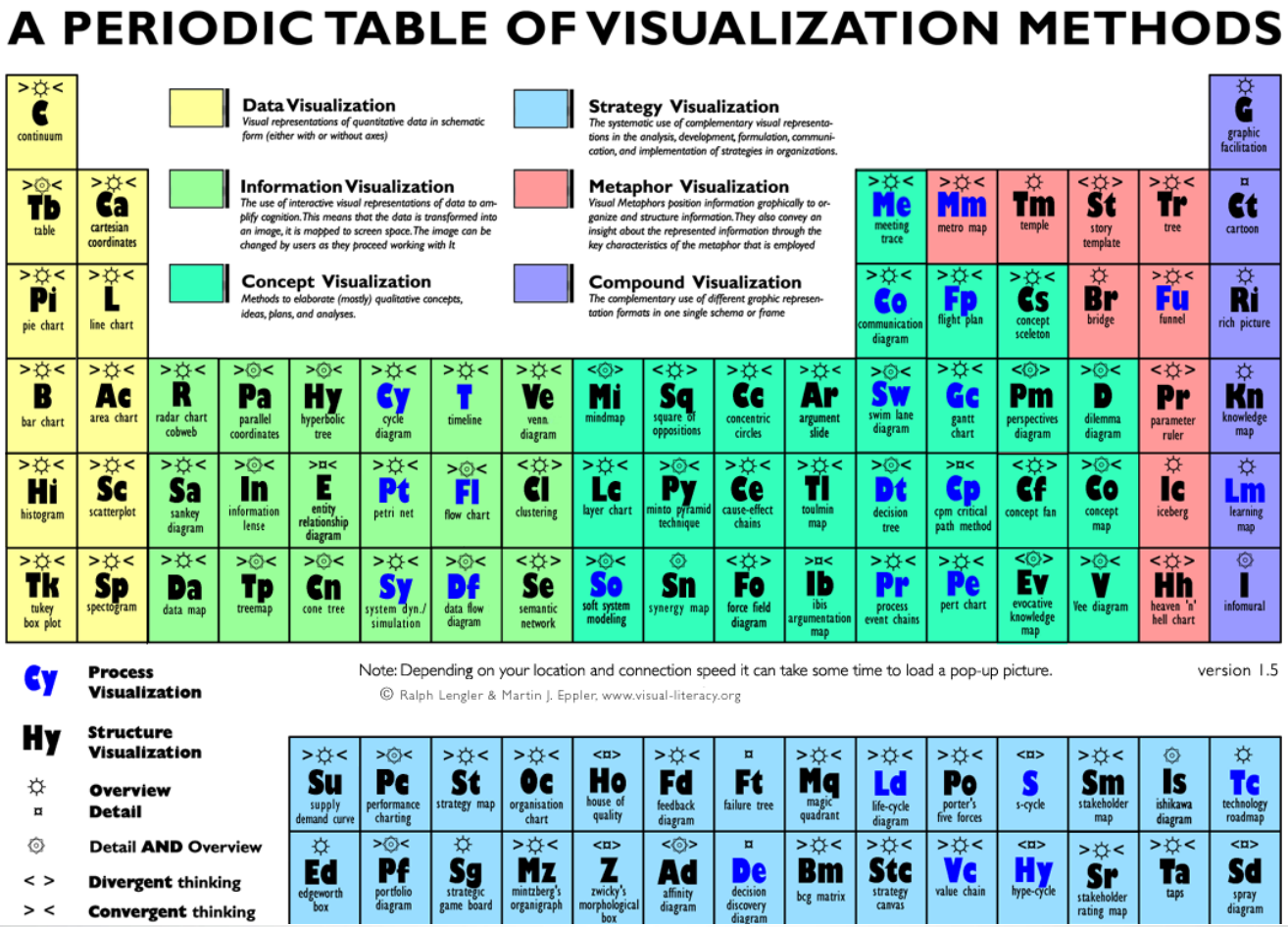
Mind map (Buzan)



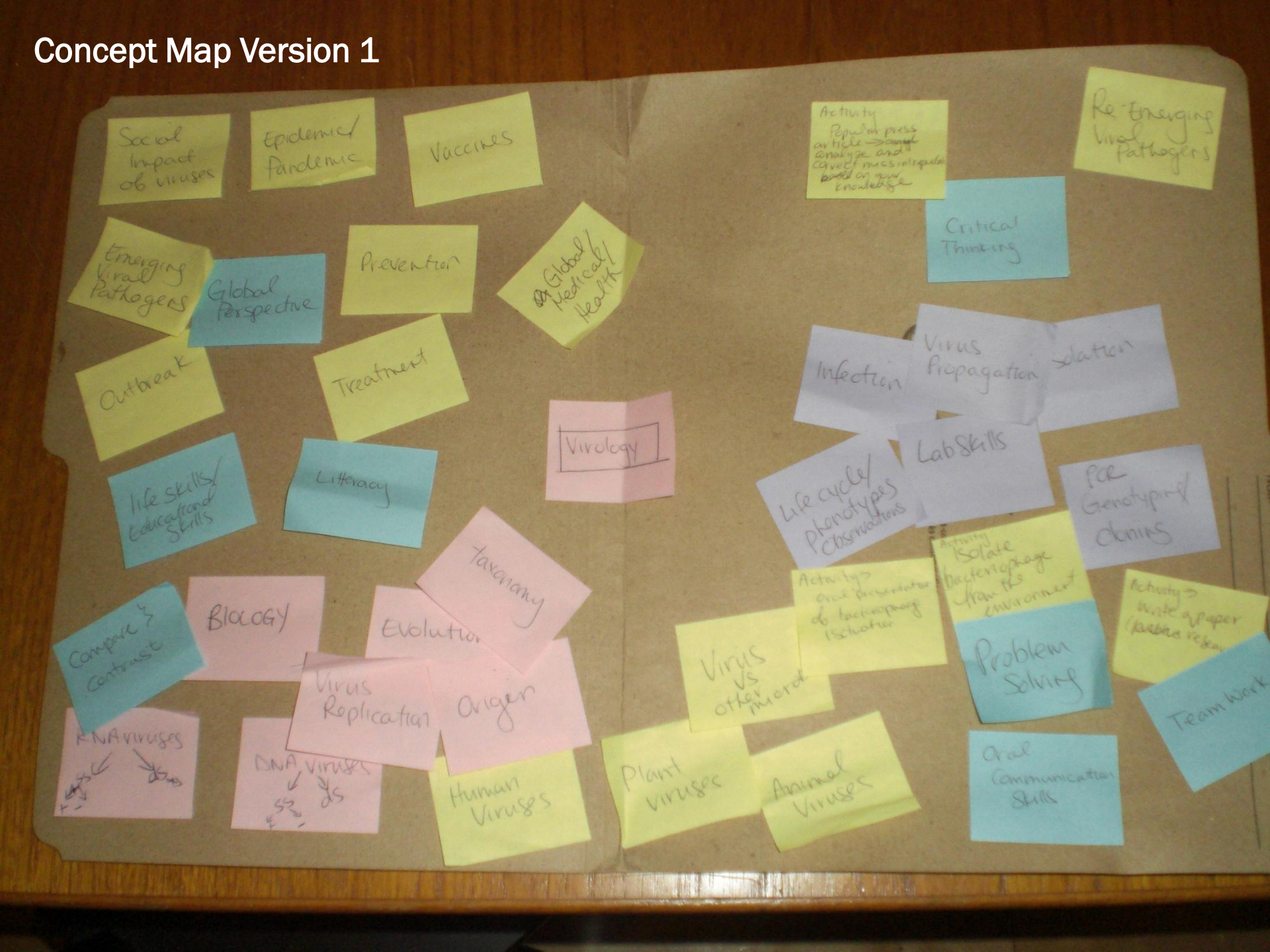
Spidergram


Info Literacy Maps
collaboration
would be helpful for multiple people to edit one map
would be nice to publish online
possible implementation
online service
+collaboration
might get stuck in a service
import/export files?
what formats?
would allow
other programs
other ways to publish
cmap
concept maps only
collaboration: public servers
link and organize files
link maps
well-developed methodology
xmind
+drilldown
(loosely) tied to service
share feature limited
export to other formats?
html limited
export freemind files?
own format
zipped xml
attractive styles
freemind
really common format
could be used with other tools
xml
implements
descent flash viewer
can put on an existing website
can link to other maps
post processor
could convert formats
join maps
separate maps
link maps
implements
mind maps or concept maps
parallel maps
course
info literacy
maps are linked
shows relations between course material and info literacy e
communication between professor and librarian

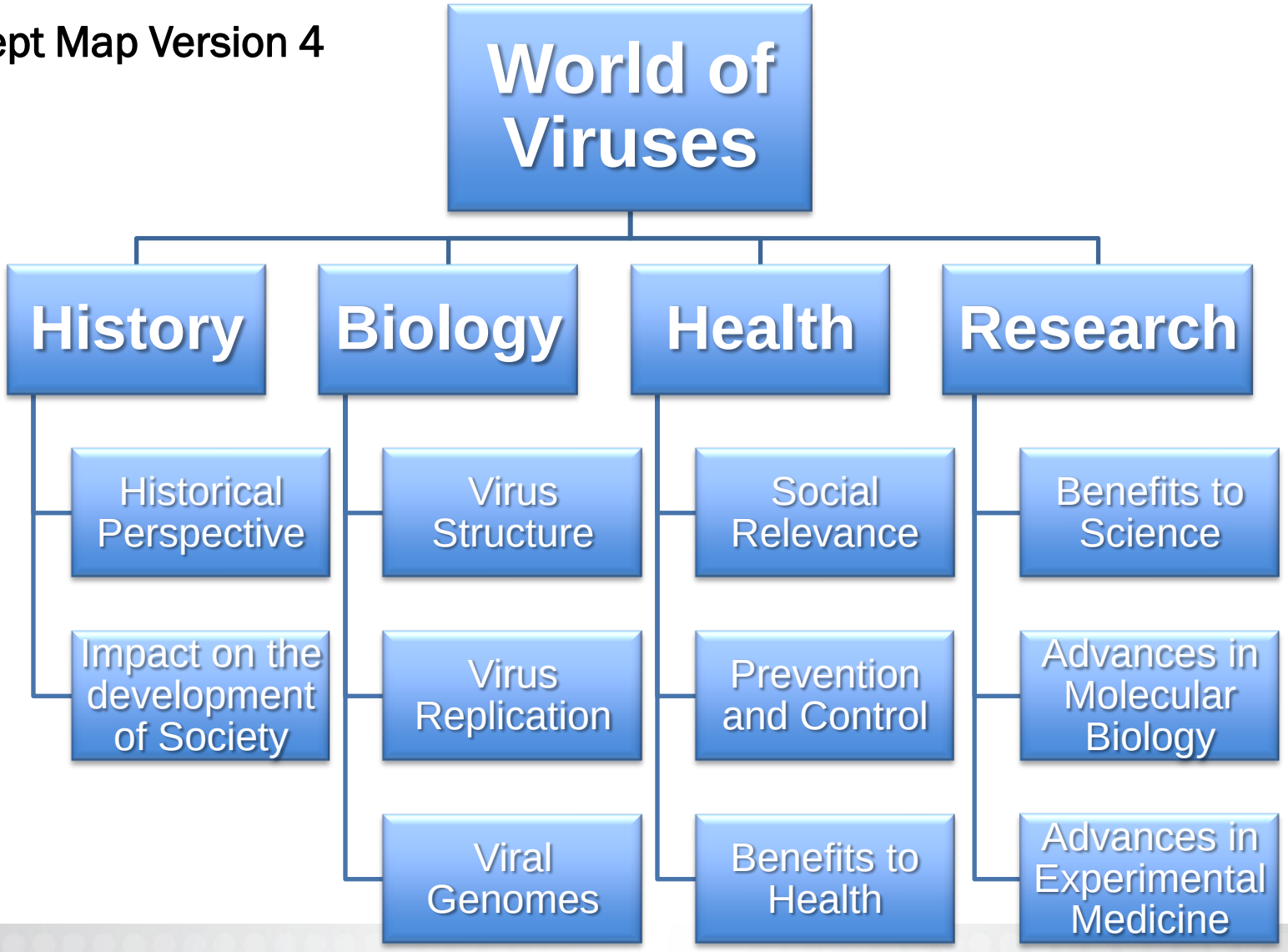
Many other types of maps



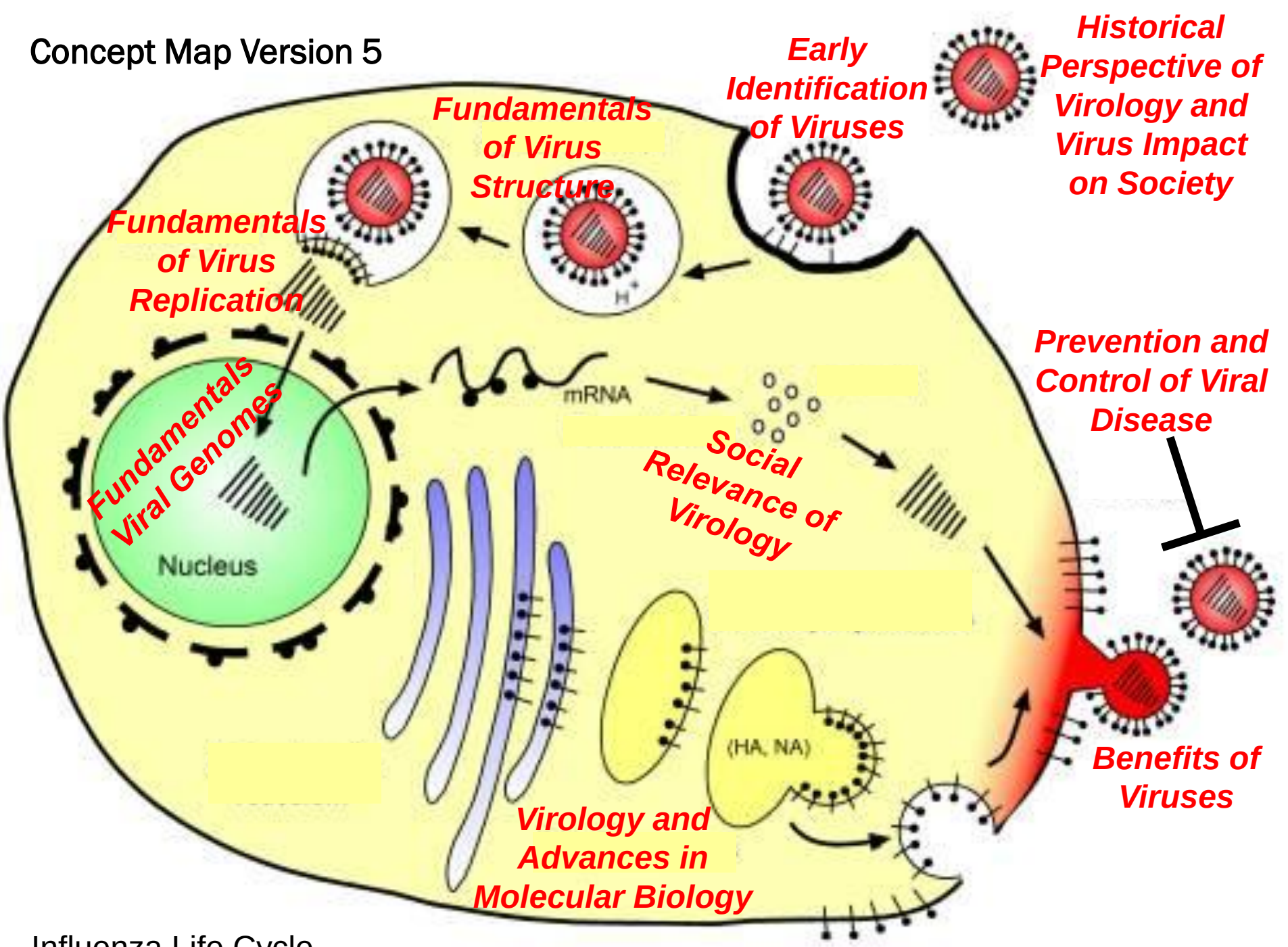
Concept Map Version 1



Concept Map Version 4

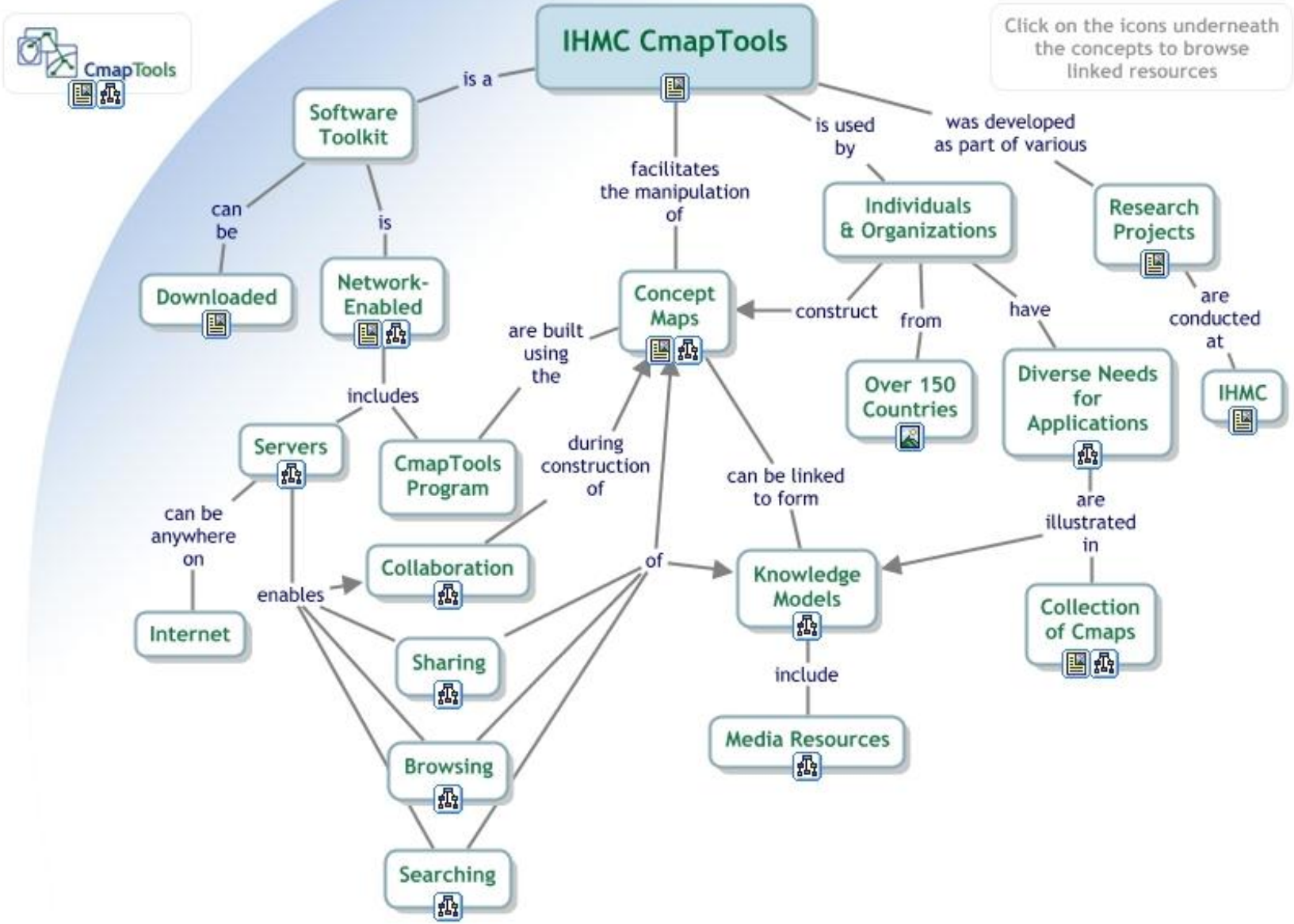


Concept Map Version 5



Influenza Life Cycle

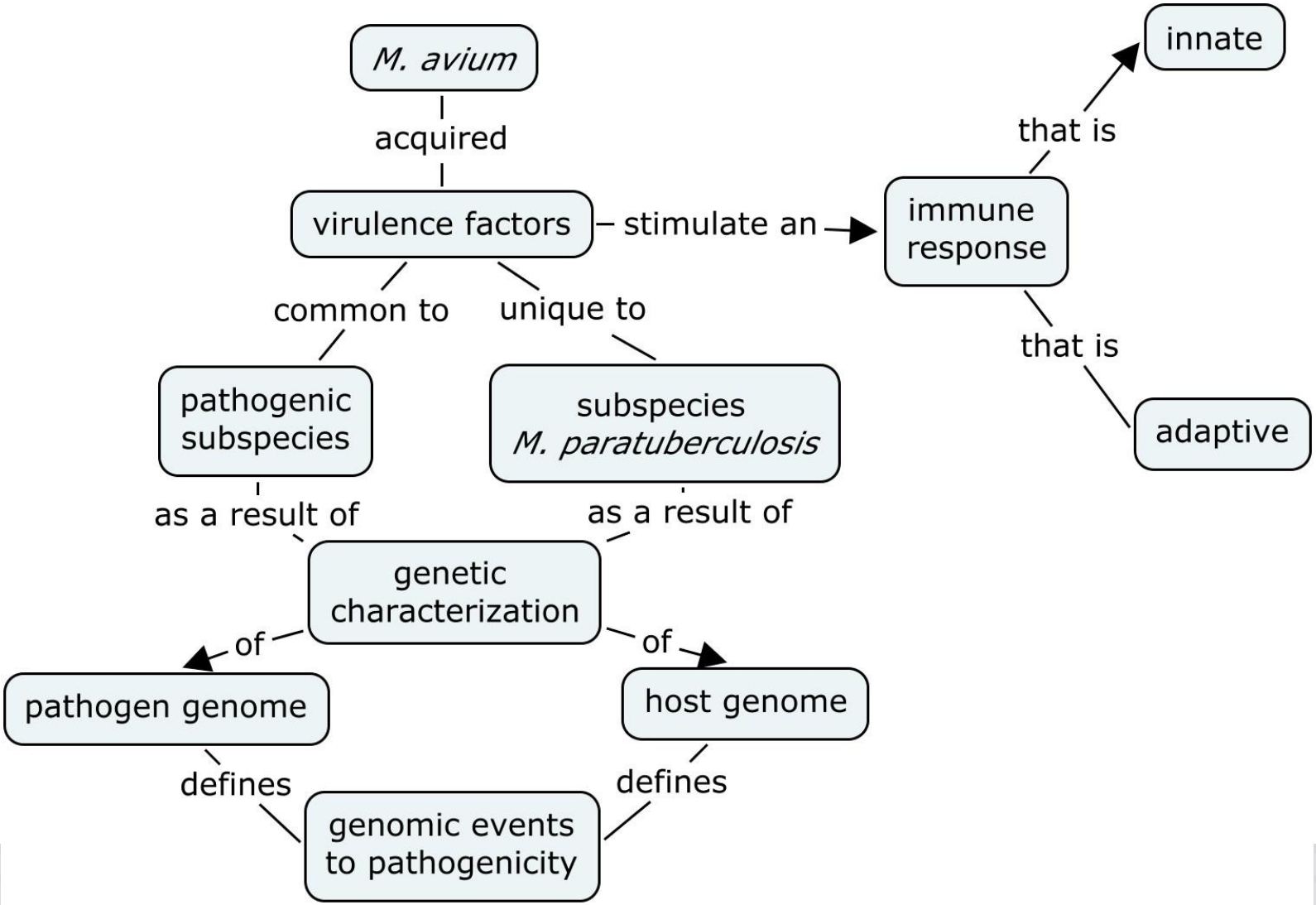
Instructor: Kaitlin Soye



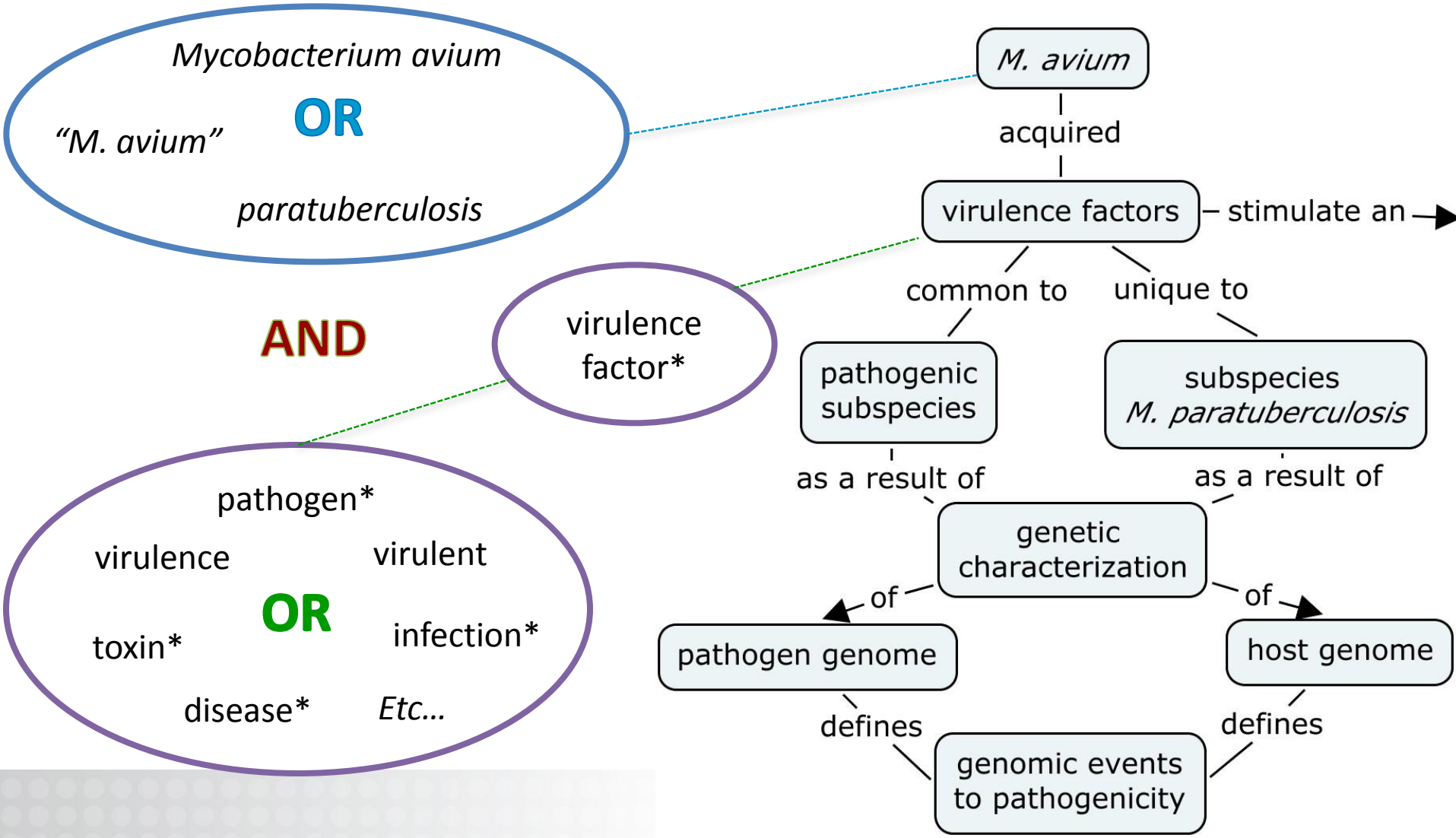
Download the program at
http://cmap.ihmc.us/conceptmap.html

This Concept Map was created with IHMC CmapTools

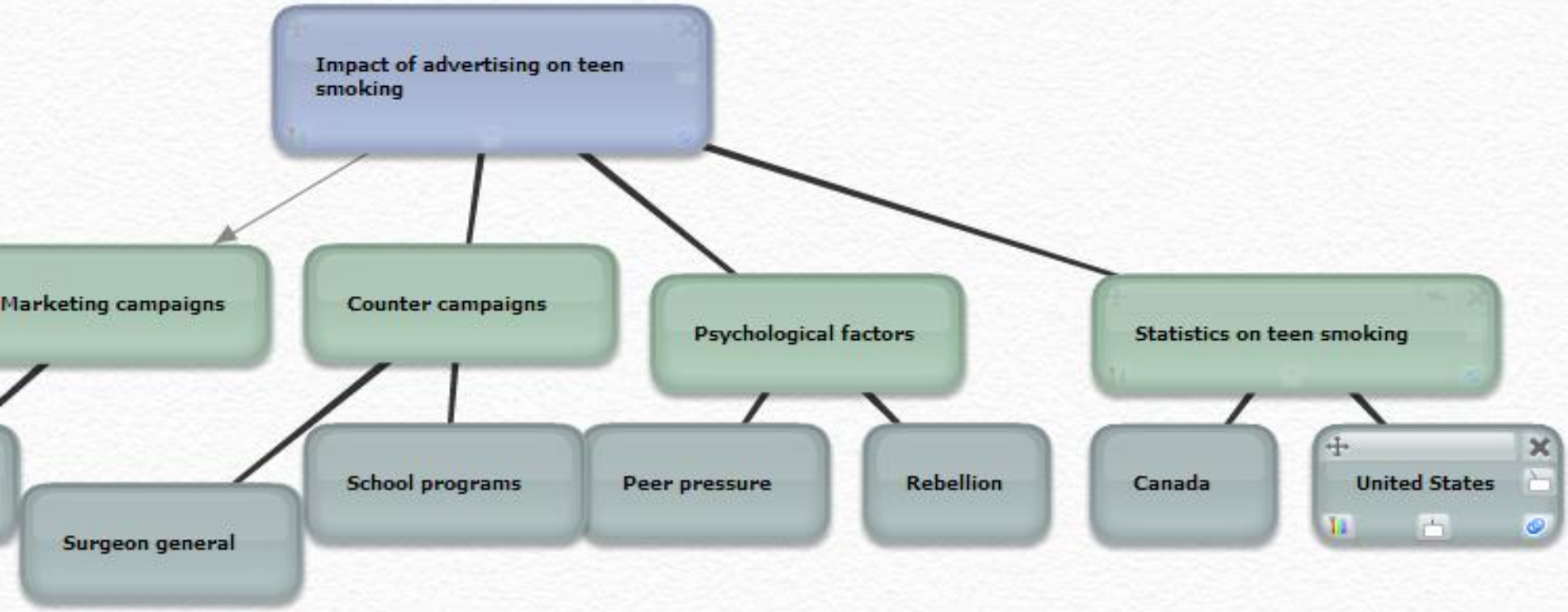
Evolution of the pathogen *Mycobacterium avium* subsp. *paratuberculosis*



Evolution of the pathogen *Mycobacterium avium* subsp. *paratuberculosis*



Active learning



Active learning

How to Create a Concept Map

1. Identify the general/broad topic that you are interested in.

   Example: You are interested in the general topic of obesity

2. Brainstorm on the general topic and list all the concepts and themes that are related to the topic on a large pi
concepts as concise as possible.

   Example:

Who?	Kids	Obese parents
How many?	Adult female	Unhealthy Diet
Reasons or causes of	Mothers	Little physical exercise
Effects of	Depression	Soda pop
More fast food	Genetic	Dessert
Bigger portions	More TV viewing	Too much sugar
Large fries	Sedentary life s	
Diabetes	Low work prod	
Technology dependent	Low self-estee	
Stroke	Poor emotiona	
Heart disease	Physical fitnes	
High-blood pressure	Balanced diet	
Balanced diet	Nutritious mea	
Little sugar	Less fast food	

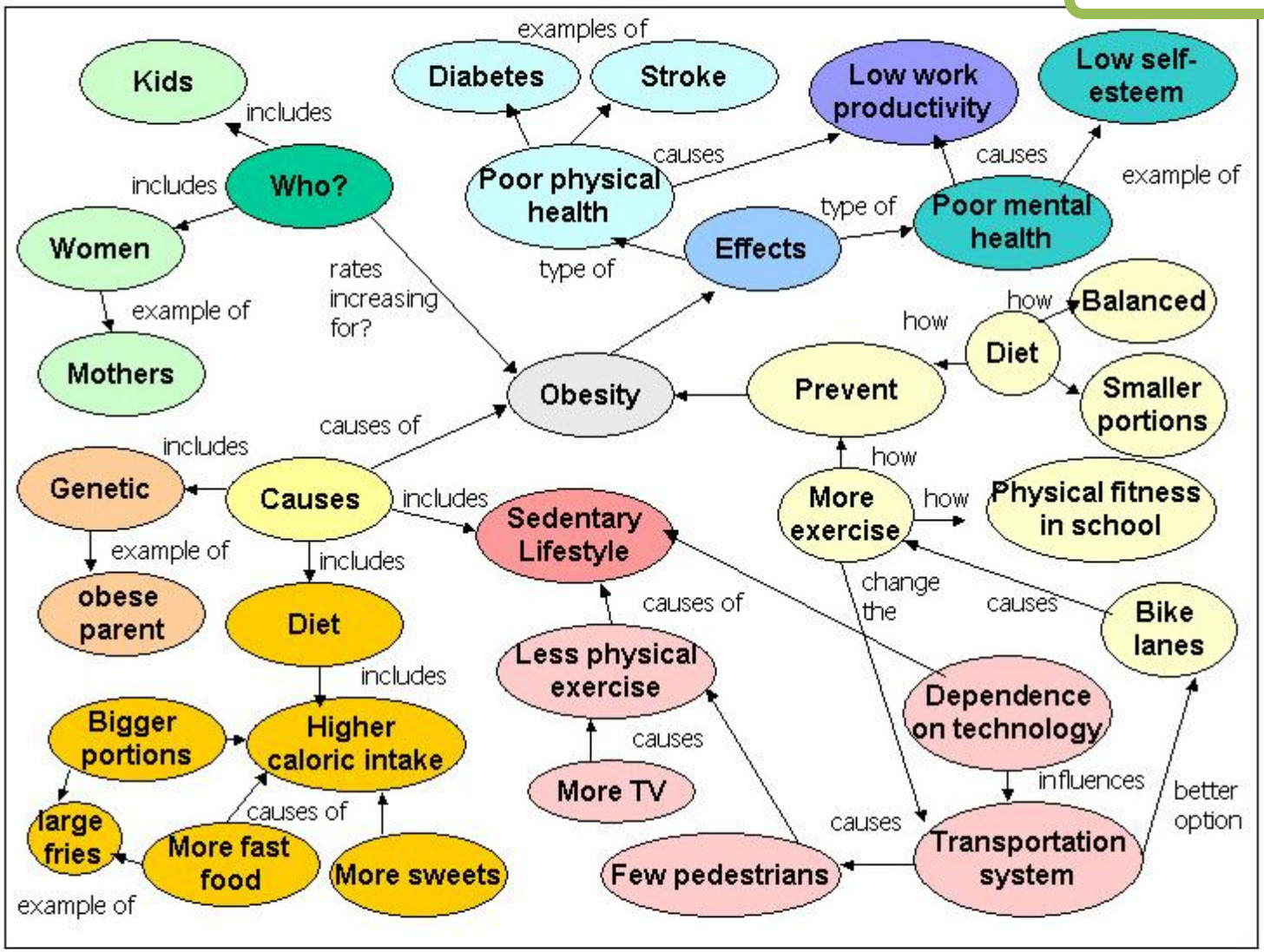
Concept map exercise for crafting search strategy.
Created by Utah State University Libraries Reference Services Department
http://library.usu.edu/instruct/tutorials/cm/CMinstruction2.htm

3. Using unlined paper, write the main theme in the center of the page.

4. Take the other concepts identified in the brainstorming and connect them to the center concept. You can use c
such as branches, arrows or groups. More important ideas should be put nearer to the center and less important

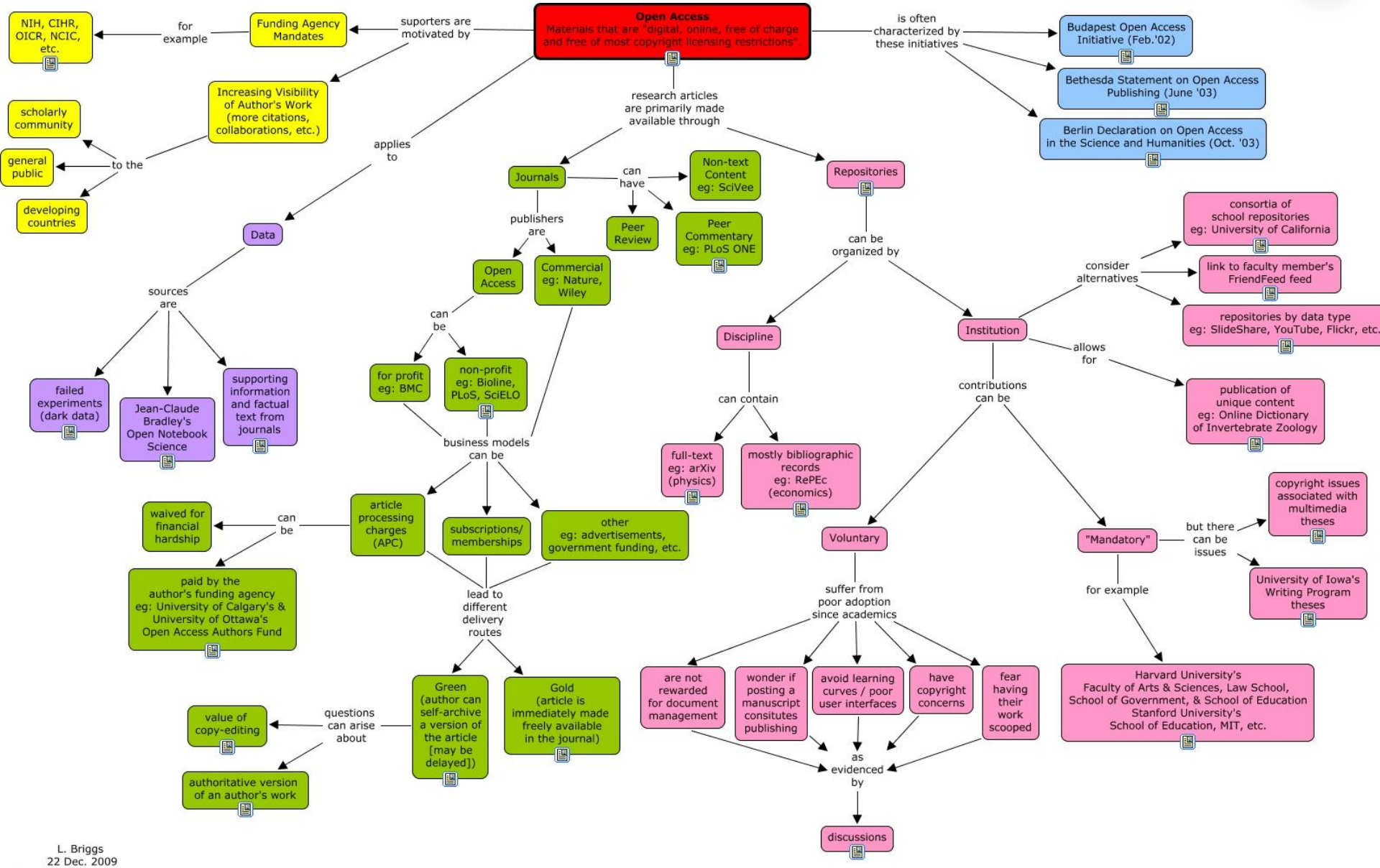
s, arrows or groups. More important ideas should be put nearer to the center and less t… the
ationship between the concepts.

Active learning



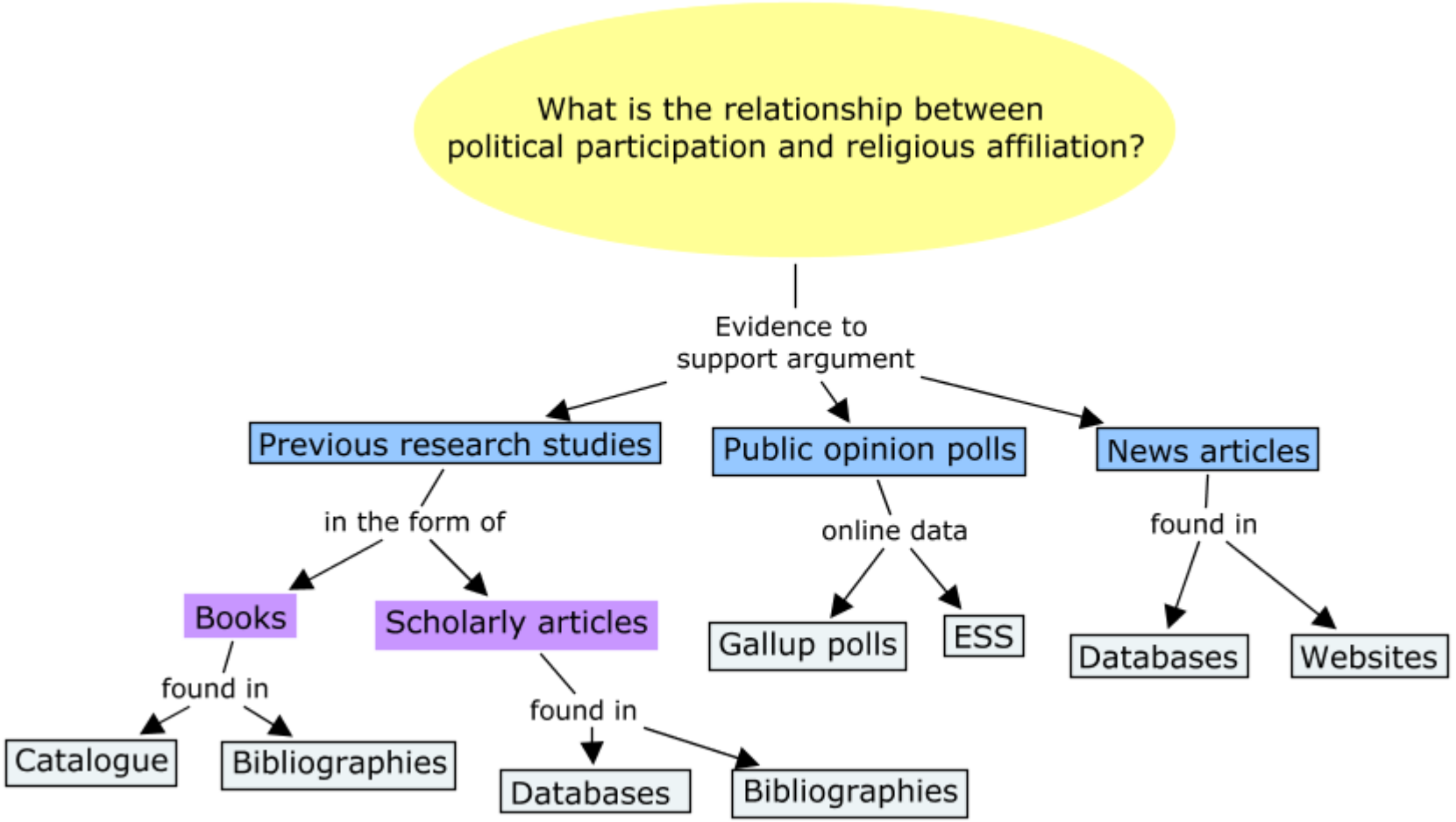
p has been created, look at the organizational patterns to see if the pieces fit together and make sense and if there
g. After the map has been created, look at the organizational patterns to see if the pieces fit together and make se
g missing.

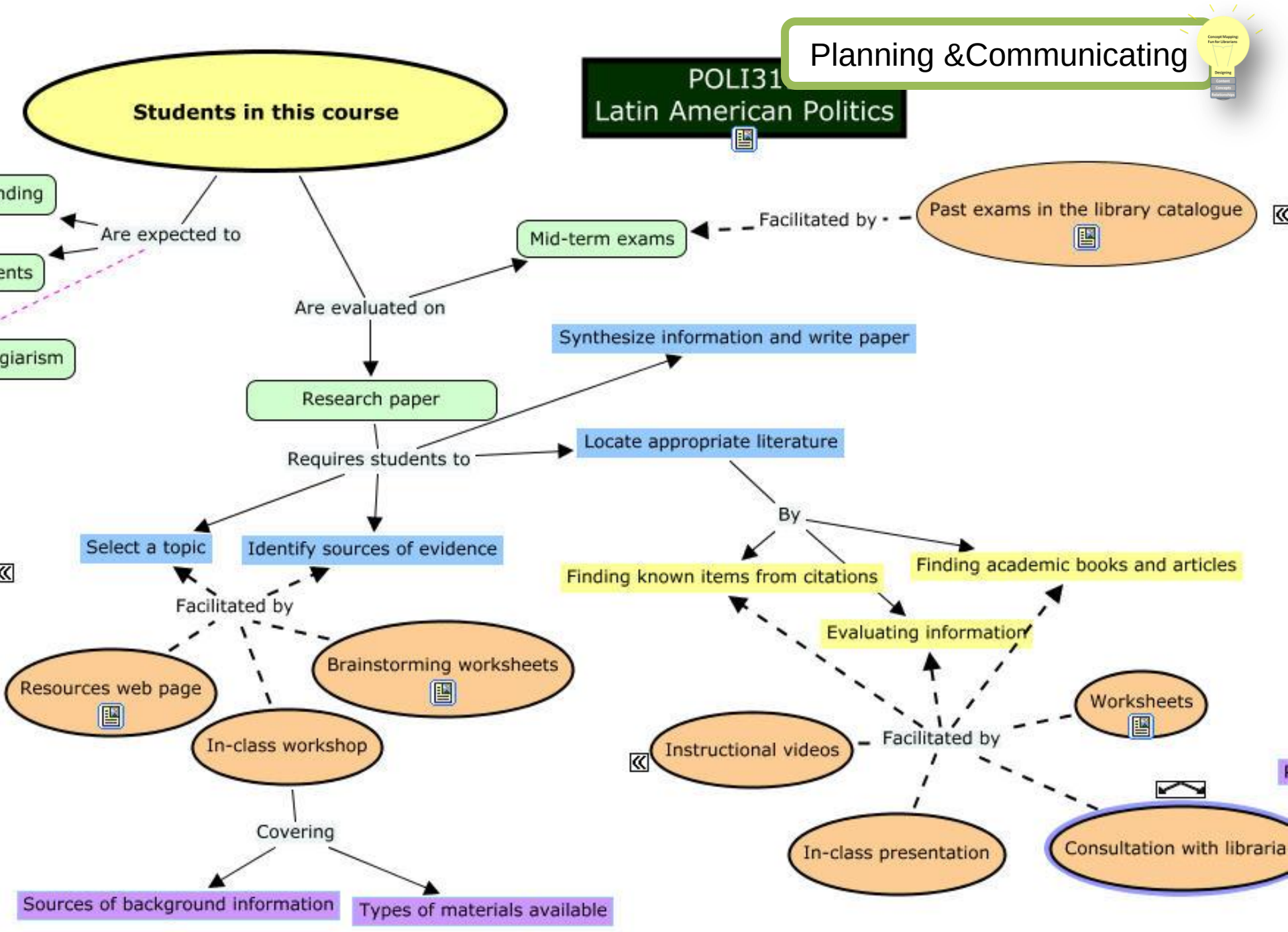
Demonstration



L. Briggs
22 Dec. 2009
laura.briggs@ualberta.ca

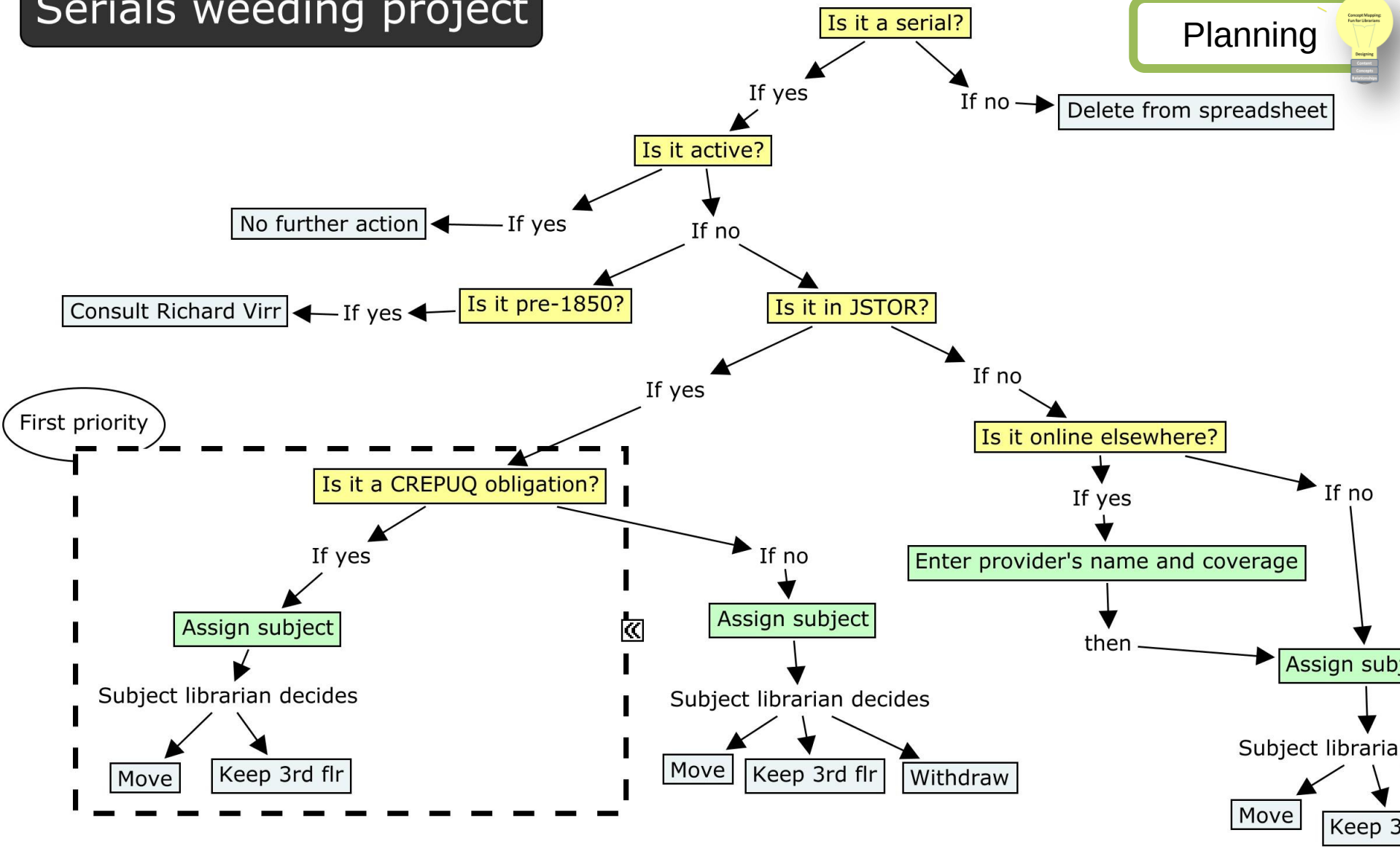
Concept map of information sources




Planning &Communicating
Students in this course
POLI31
Latin American Politics
nding
Are expected to
ents
giarism
Are evaluated on
Mid-term exams
Facilitated by
Past exams in the library catalogue
Synthesize information and write paper
Research paper
Requires students to
Locate appropriate literature
Select a topic
Identify sources of evidence
By
Finding known items from citations
Finding academic books and articles
Facilitated by
Evaluating information
Resources web page
Brainstorming worksheets
In-class workshop
Worksheets
Instructional videos
Facilitated by
Covering
In-class presentation
Consultation with libraria
Sources of background information
Types of materials available

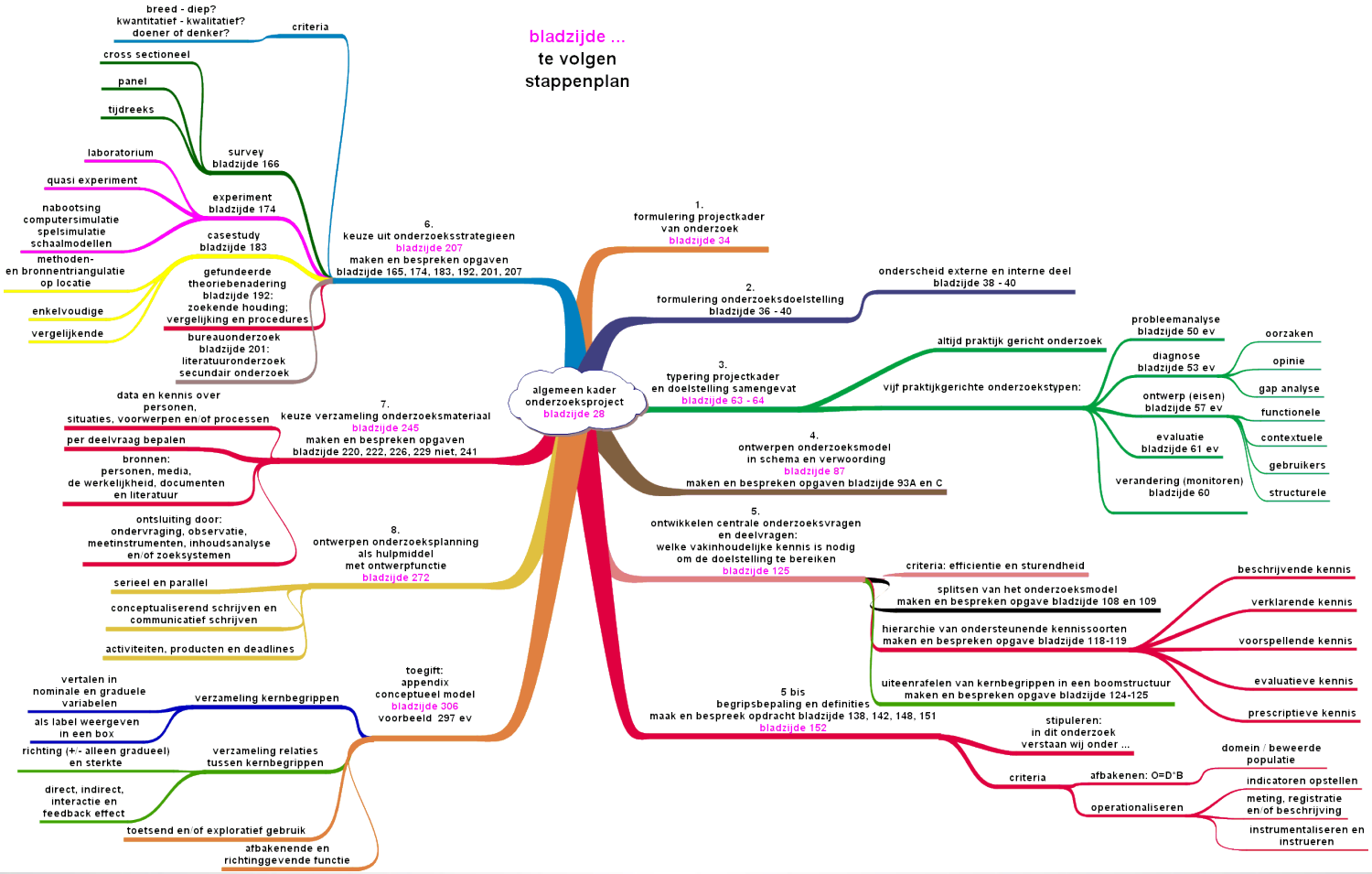
Serials weeding project

Planning



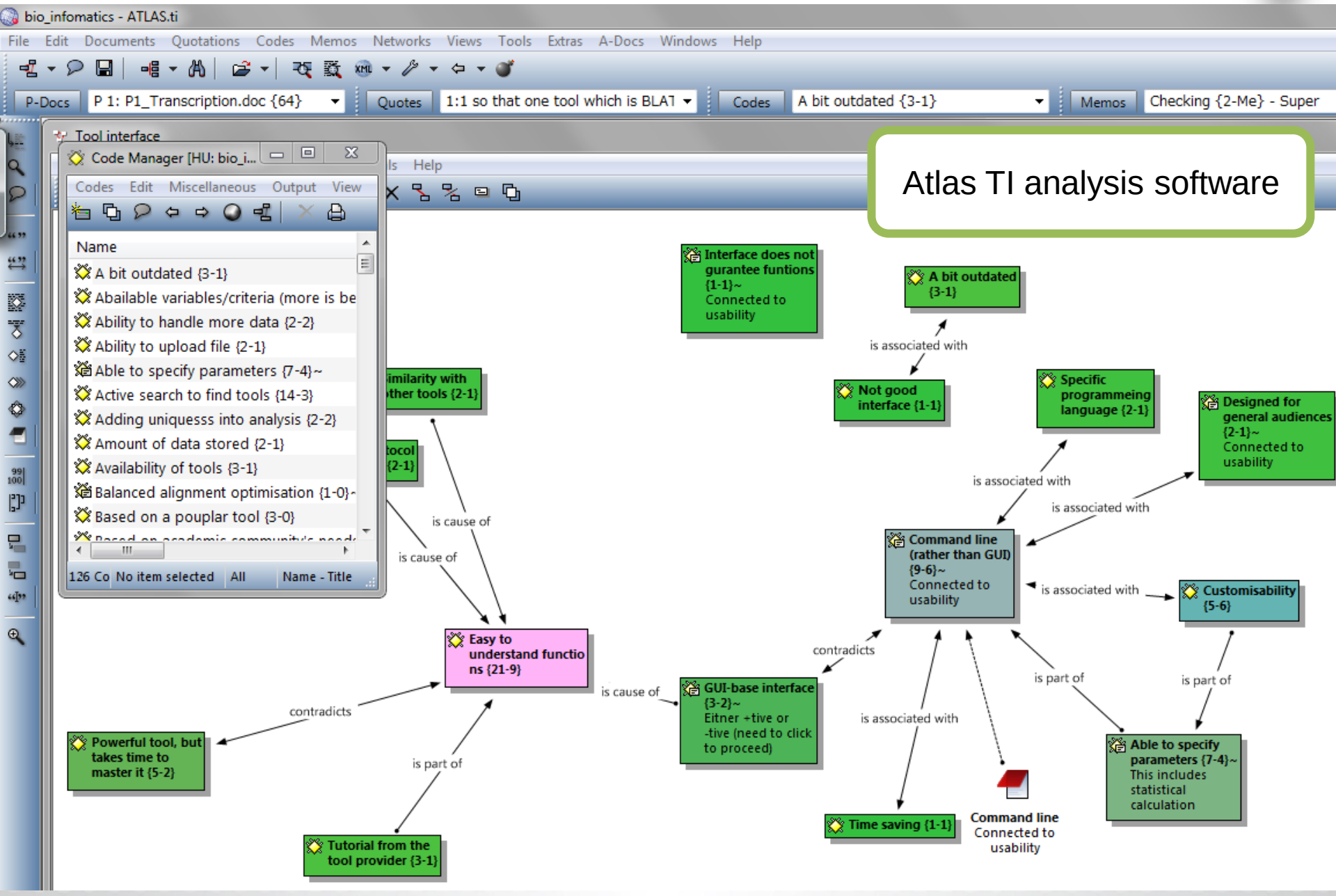
Note! When the Redpath basement is full, the "move" option disappears.

Itinerary for Research, Teacher

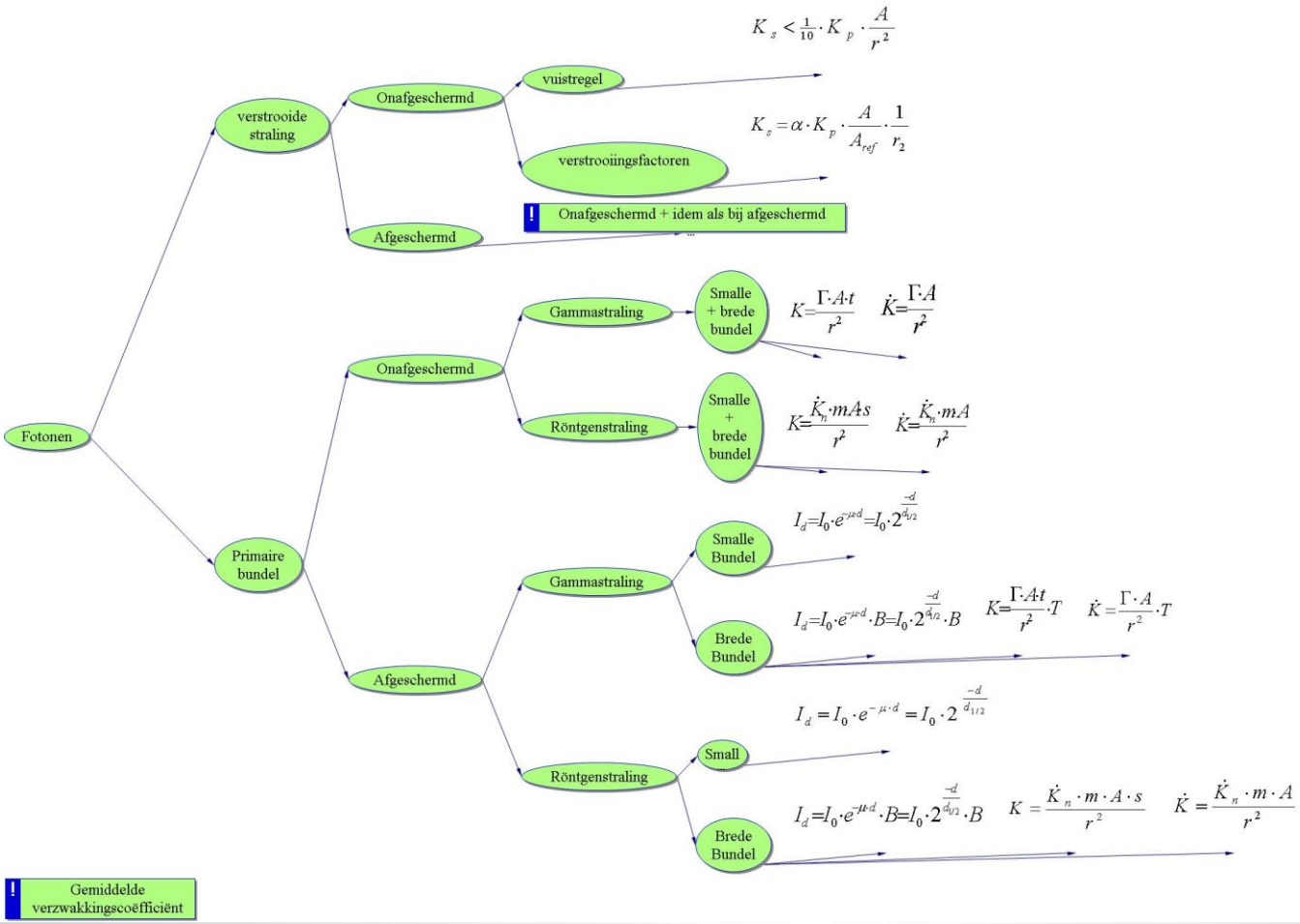


Research

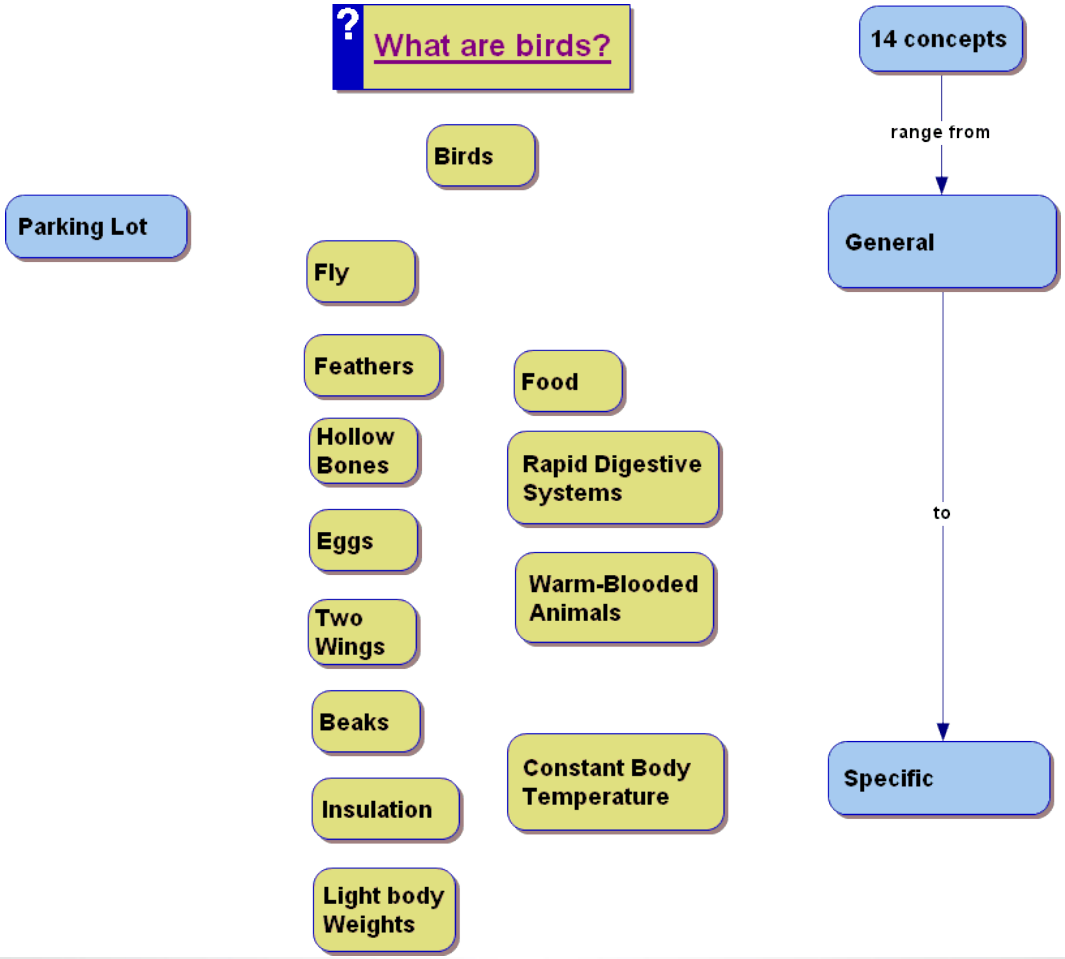
Atlas TI analysis software



Shielding from Radiation, Teacher

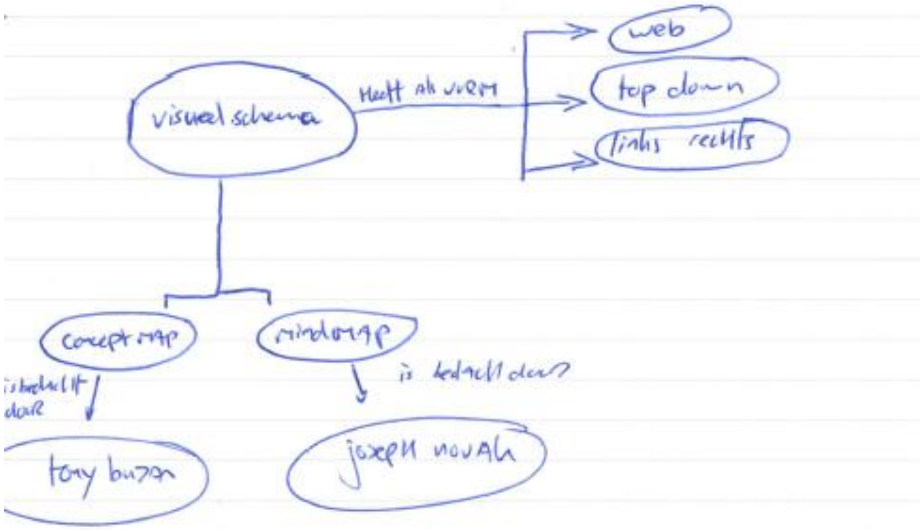


First Concept Map, Students



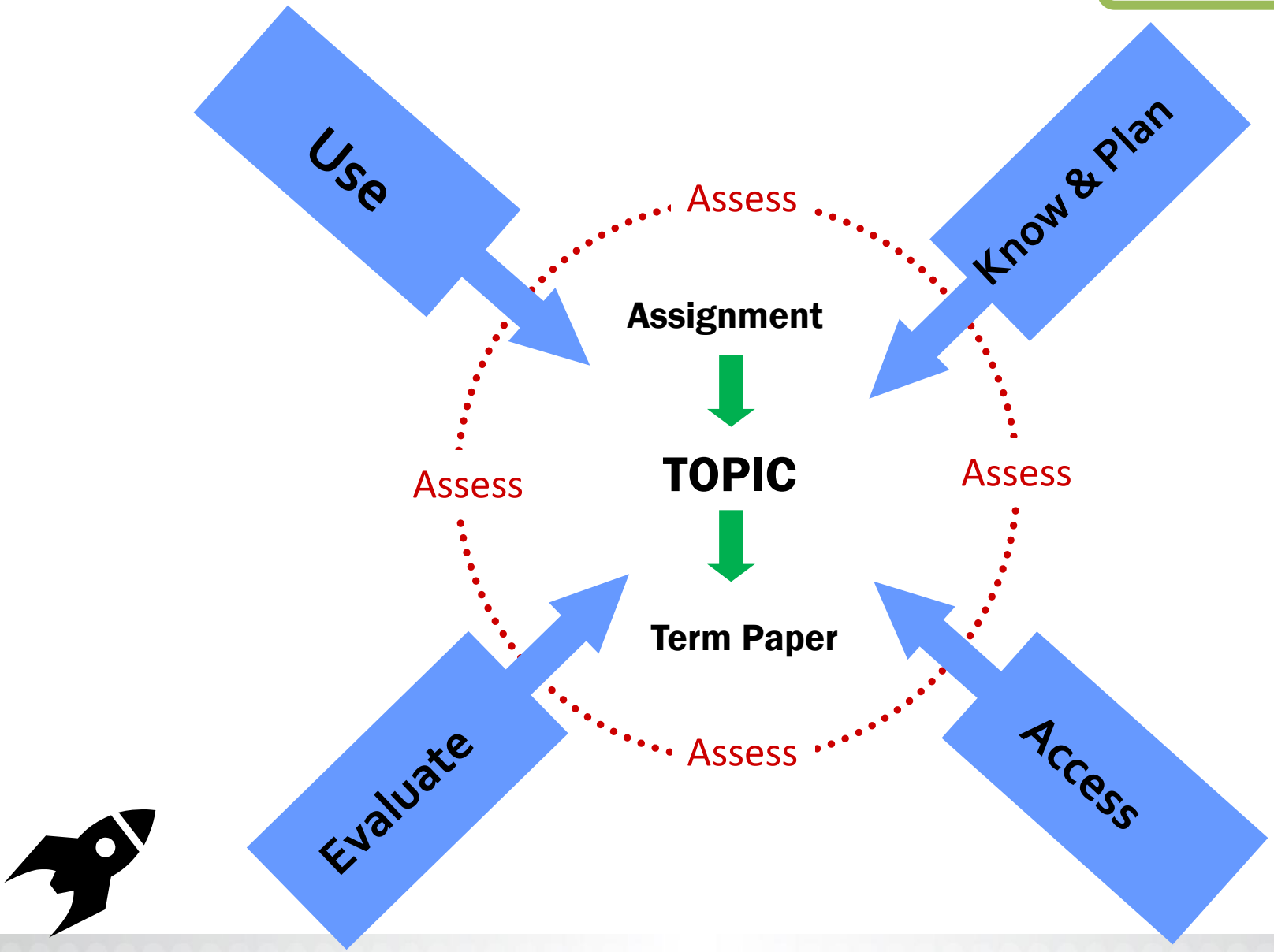
Assignment, Student

begrippen	werkwoorden op pijl
Visueel schema	bedacht door
Concept map	is
Mindmap	heeft als vorm
Tony Buzan	[meer]
Joseph Novak	
Web	
Top - Down	
Links - Rechts	

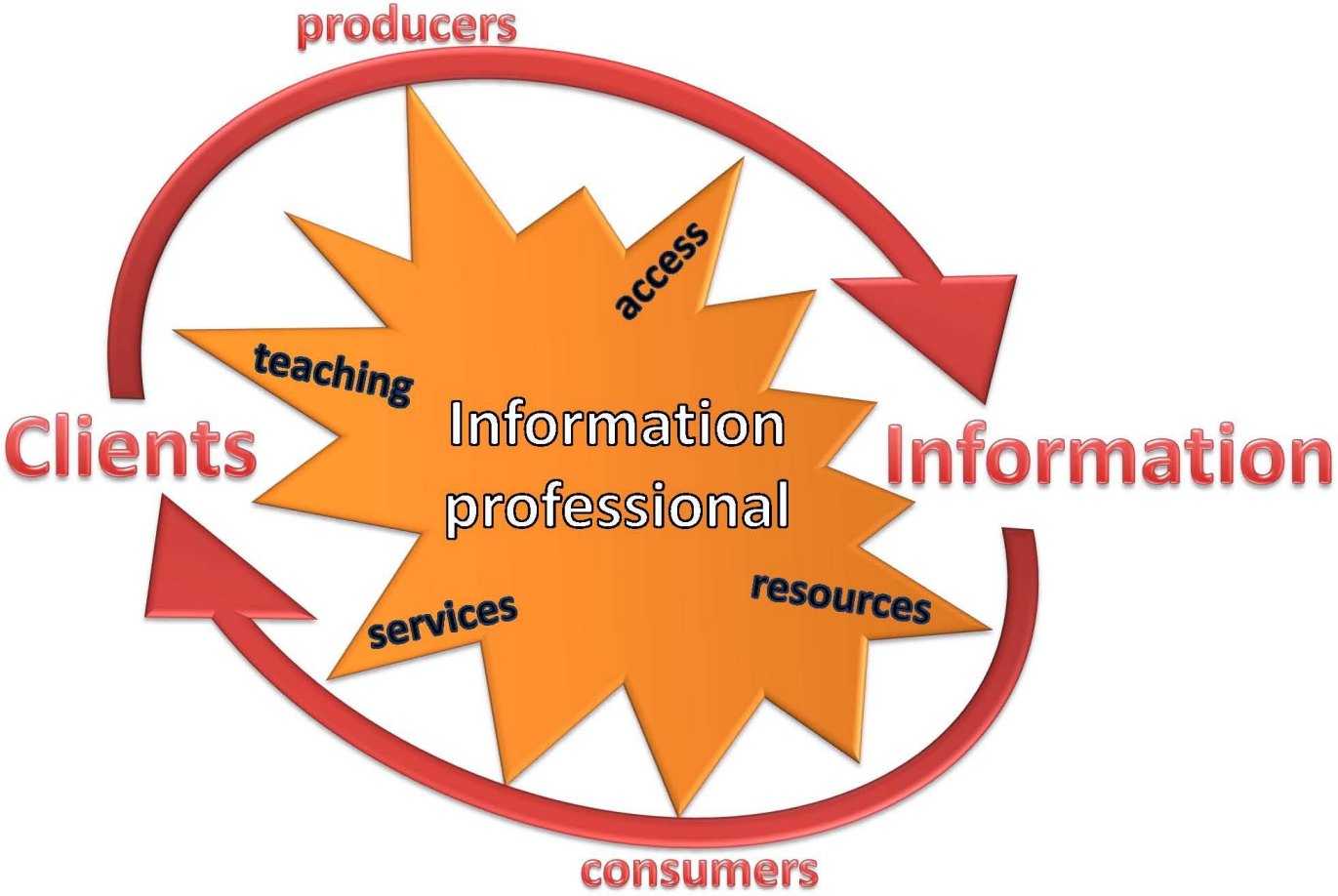


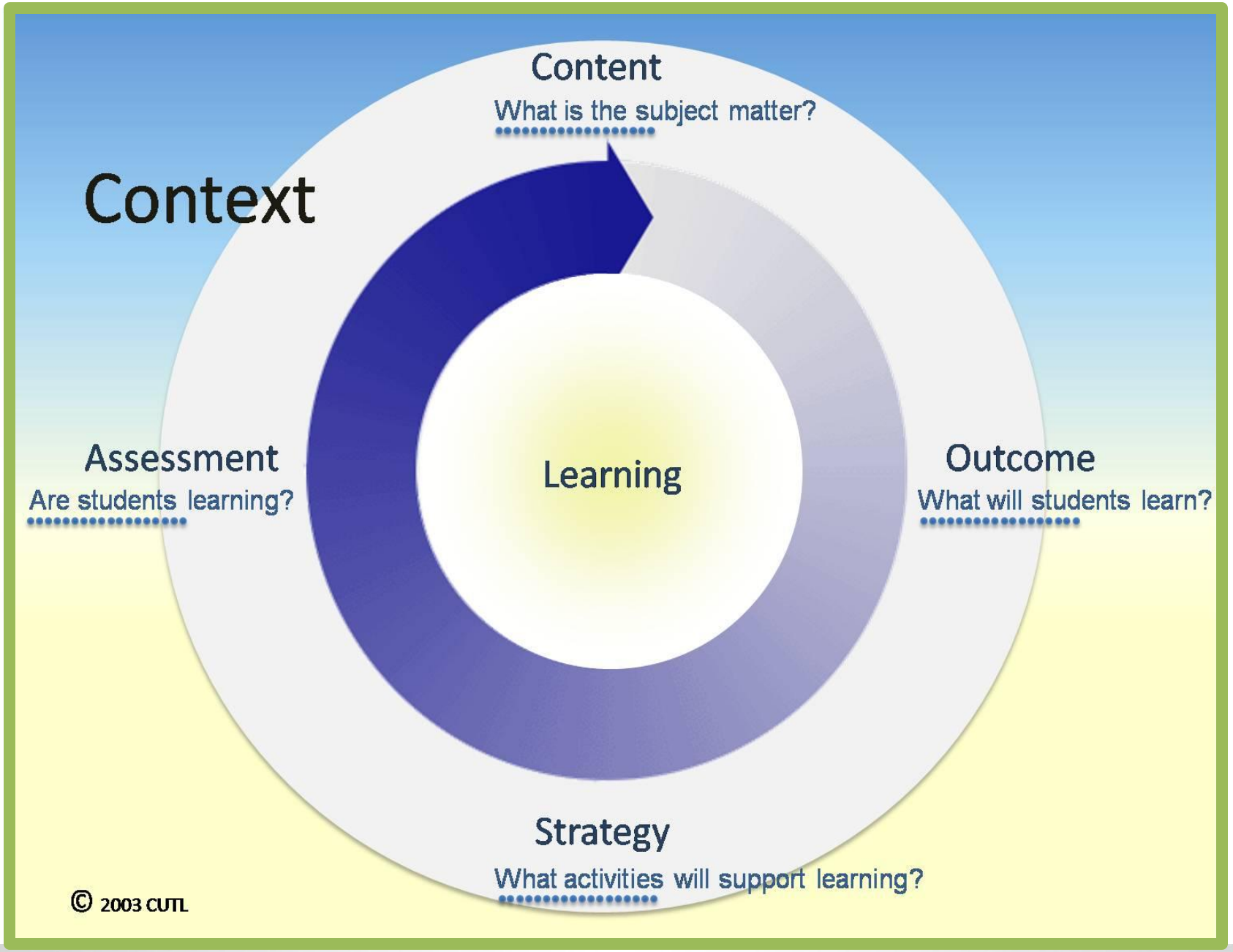
The Research Process

Communication

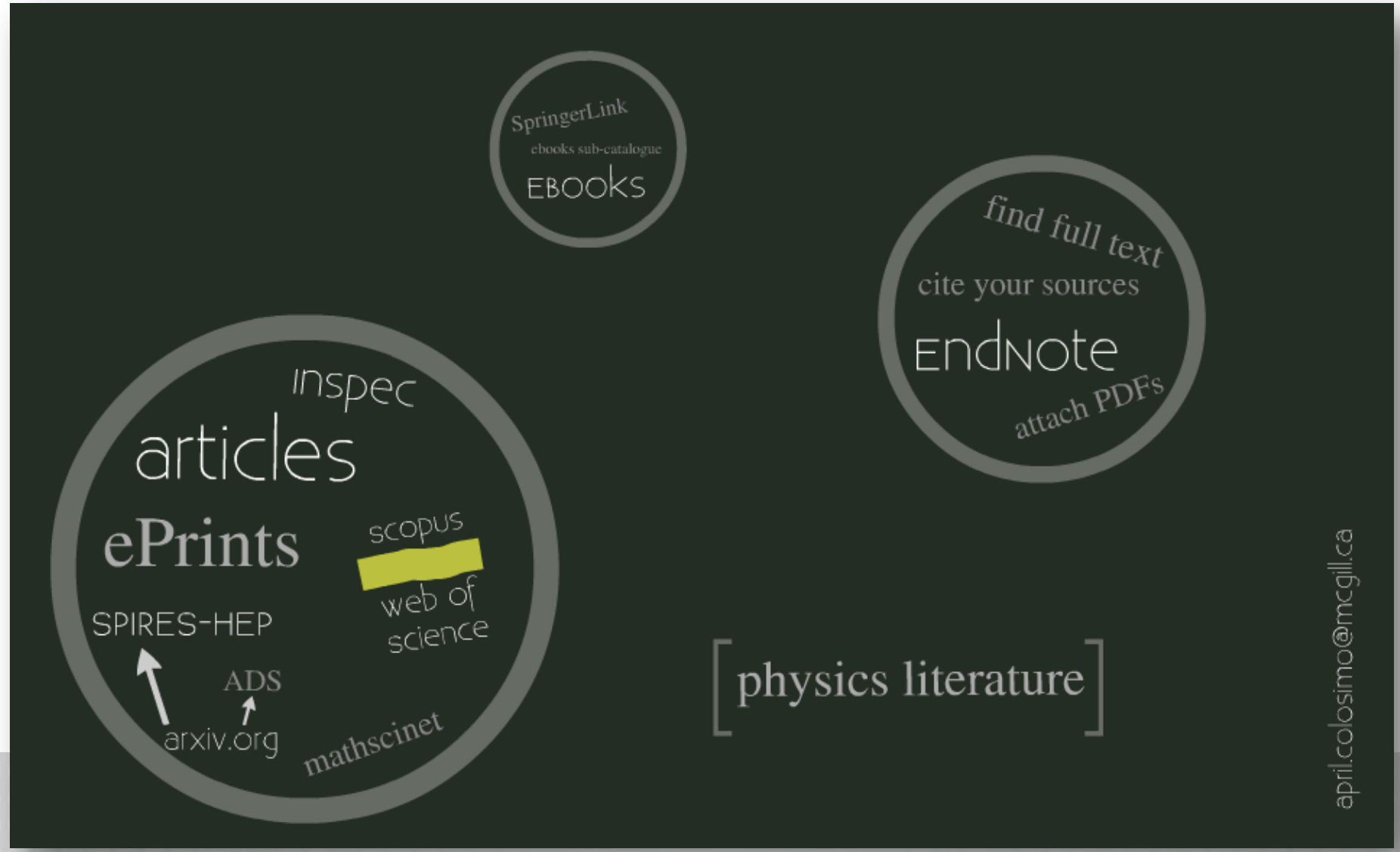


GLIS 637 Concept Map




Content
What is the subject matter?
Context
Assessment
Are students learning?
Learning
Outcome
What will students learn?
Strategy
What activities will support learning?
© 2003 CUTL

Prezi: No self-respecting physicist...



Information Retrieval

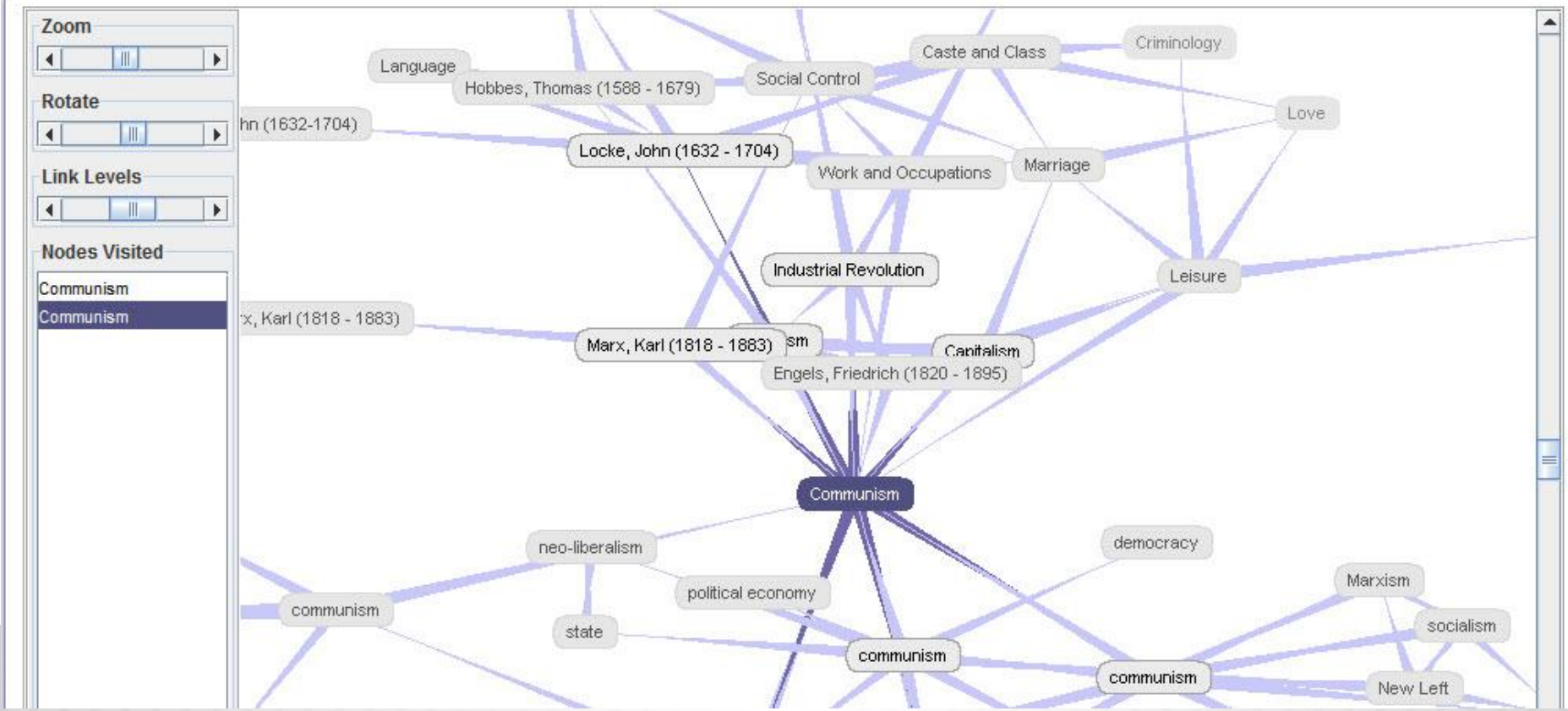
CREDO *reference*
Smart Research Starts Here

McGill

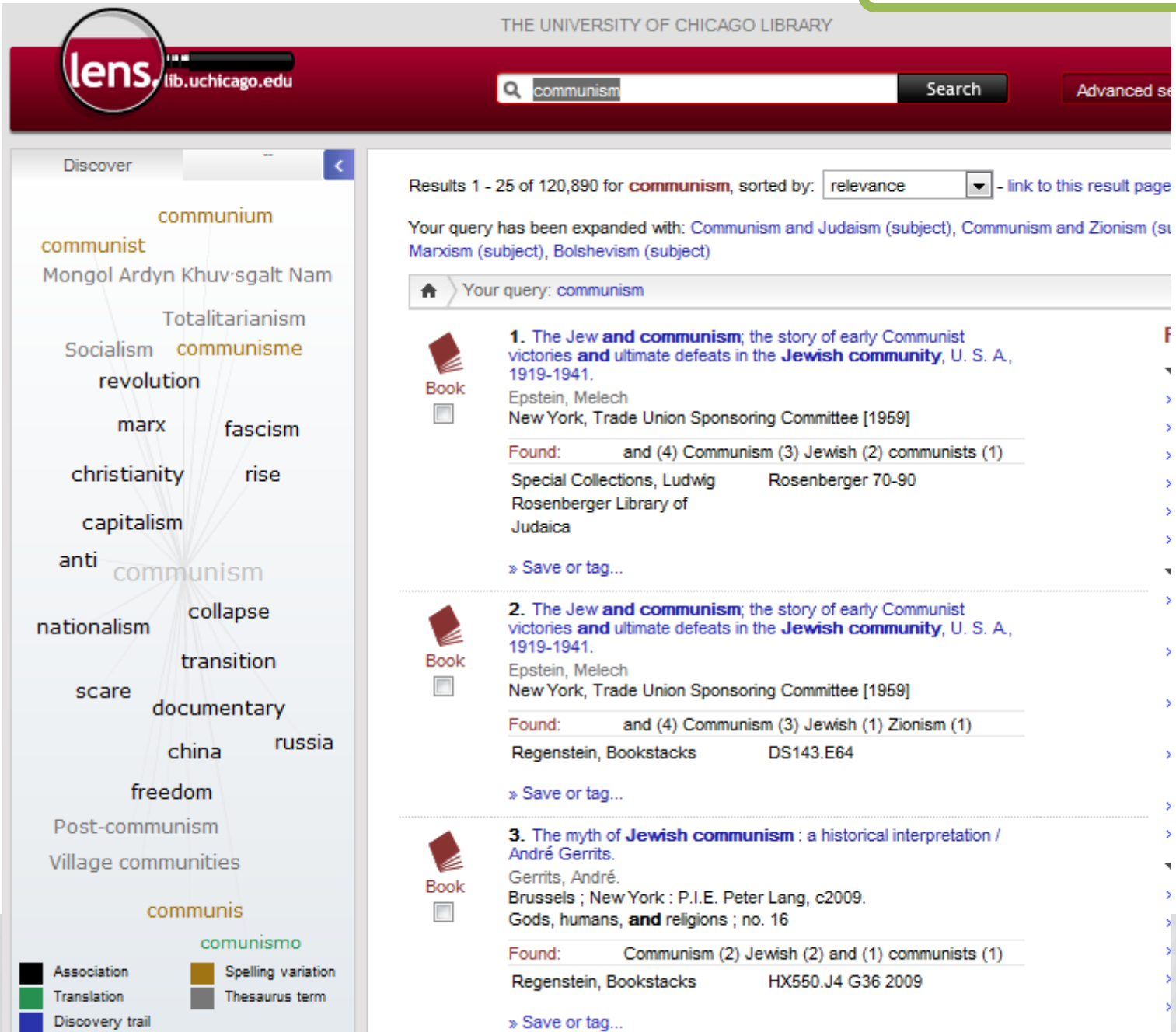
McGill Libraries | McGill Library Databases | Ask a McGill Librarian

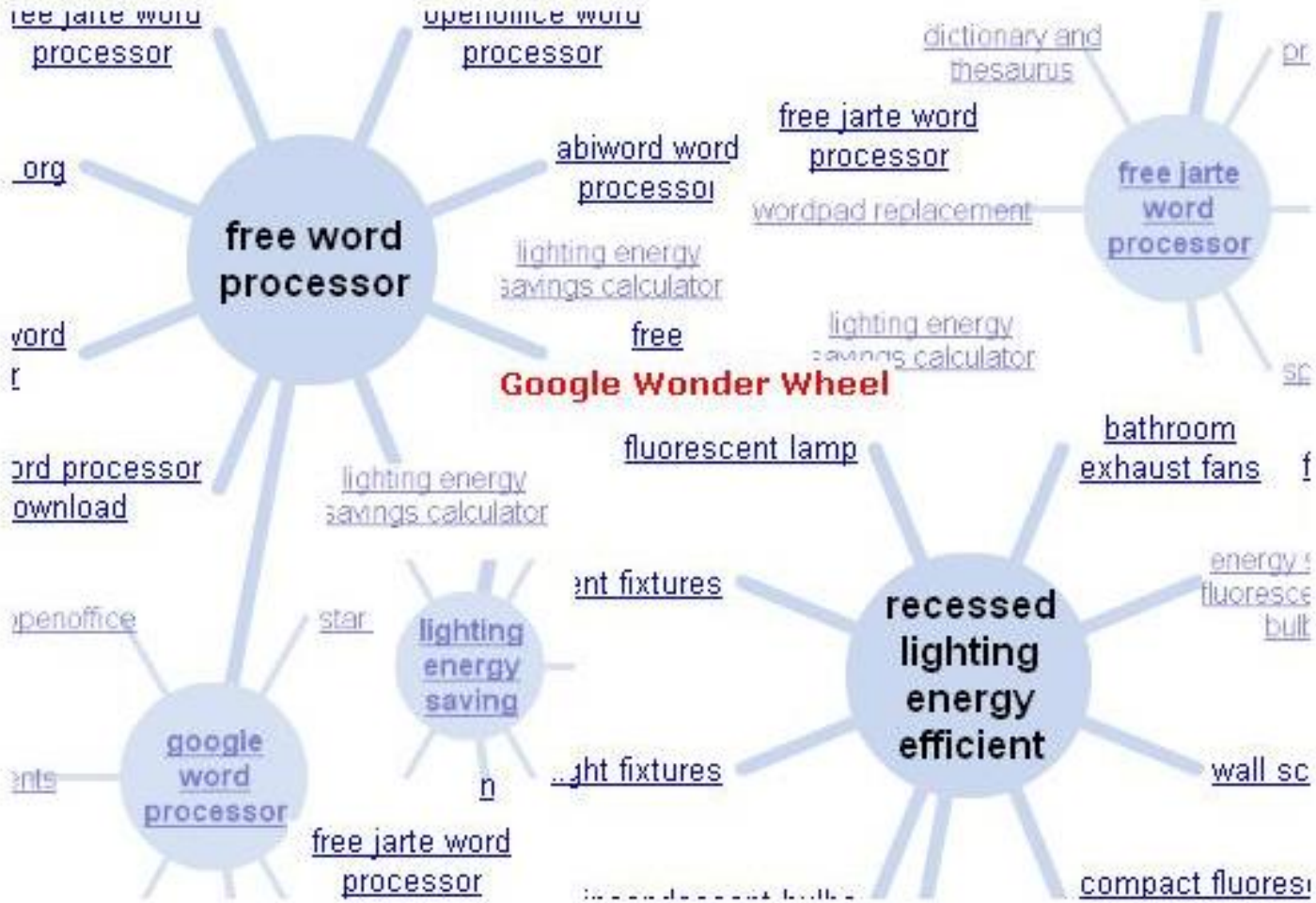
Search | Find a Book | Advanced Search | Concept Map | Saved Results | Gadgets | Help | Logout

Search for communism in All Subjects SEARCH



Information Retrieval

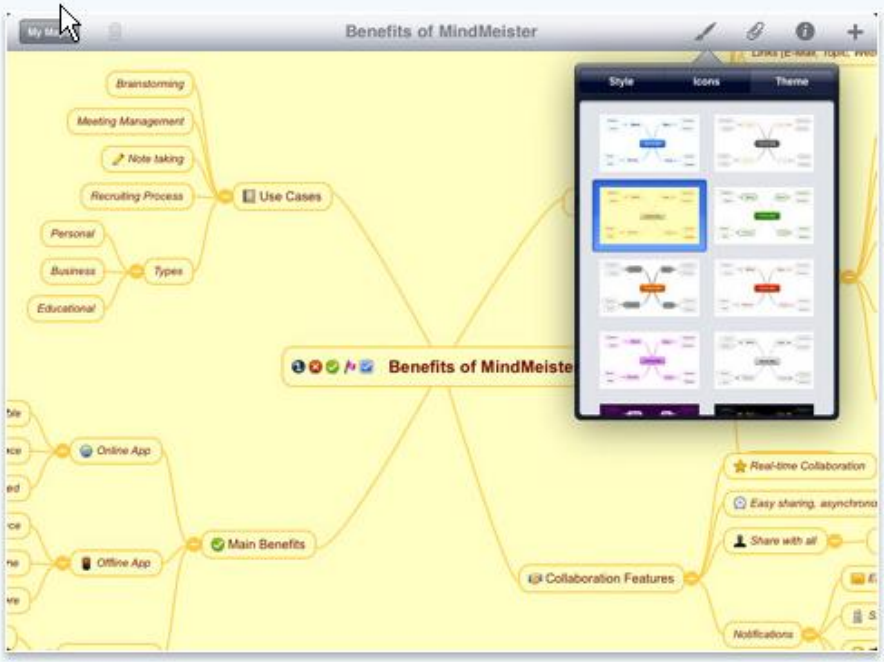




Google Wonder wheel - great tool

Mobile mapping

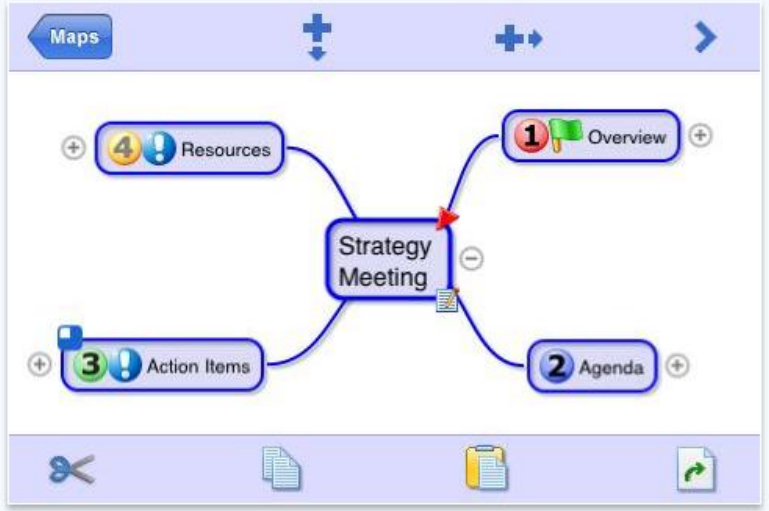
iPad Screenshots



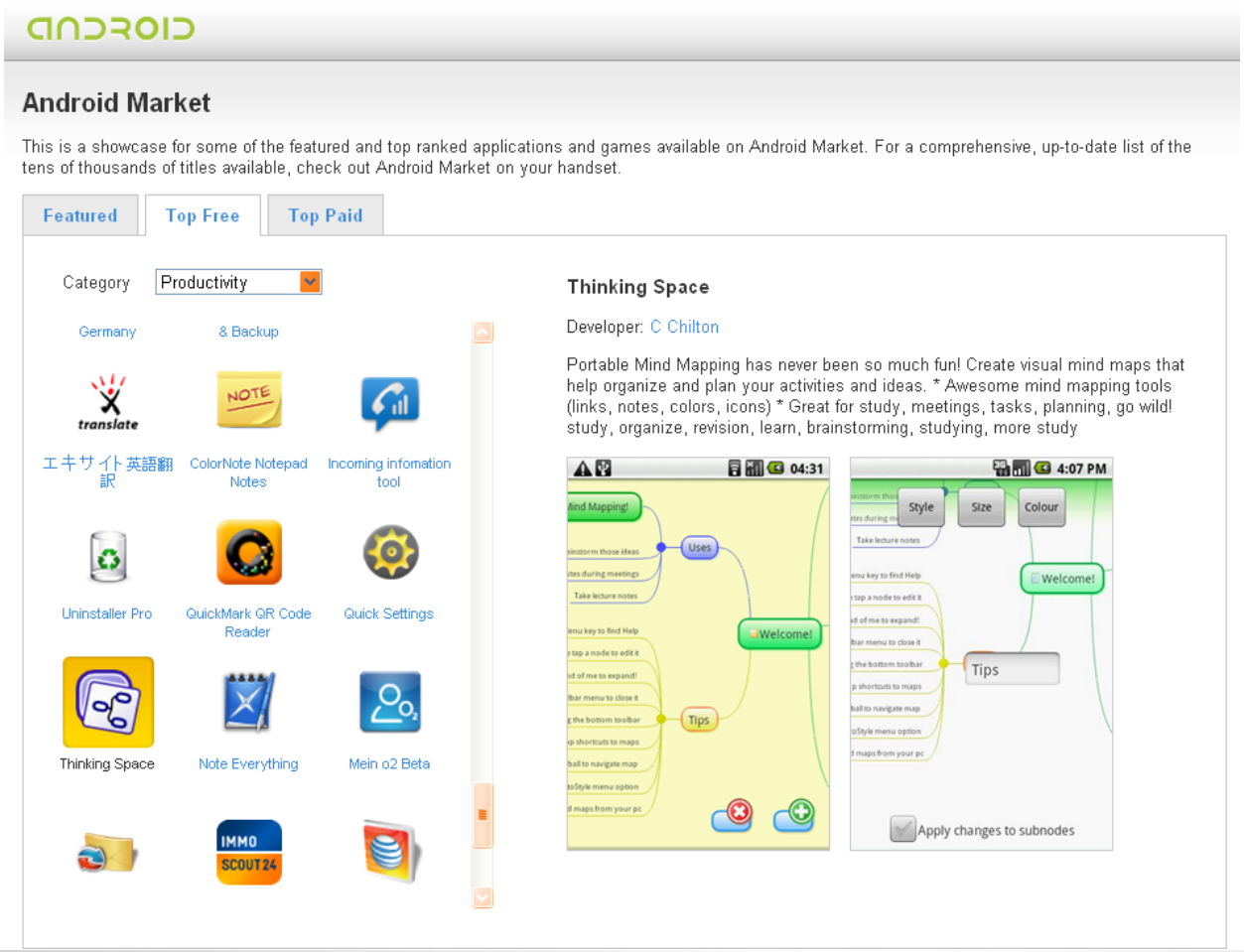
Screenshots

iPhone | iPad

iPhone Screenshots



Mobile mapping



Inspiration?

@InspirationSW Inspiration 8 or 9 or Android phones?

about 20 hours ago via web

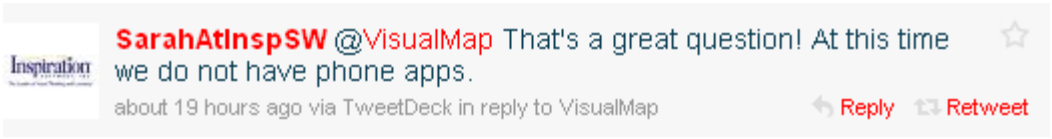


Image credits

- Slide 14, 15: Utah State University Libraries Reference Services Department http://library.usu.edu/instruct/tutorials/cm/CMinstruction2.htm
- Slide 16: Open Access concept map by Laura Briggs - http://www.ualberta.ca/~lbriggs1/briggs/openaccess.html
- Slide 27: McGill Teaching and Learning Services