

by Maura Smale 3 years ago

The Topography of Learning: Using Cognitive Mapping to Evolve and Innovate in the Academic Library

Donna Lanclos, Maura A. Smale, Andrew Asher, Mariana Regalado, and Lesley Gourlay; Association of College & Research Libraries Conference, March 27, 2015 <http://tinyurl.com/acrlcogmaps>



Colleen MacKinnon

@mackinc

Looking forward to the topography [#CogMaps](#) session at [#acrl2015](#) complete with interactive activity!



3 YEARS AGO



Jennifer Sharkey

@jsharkeylib

Getting ready to learn about cognitive mapping & learning. [#acrl2015](#) [#CogMaps](#)



3 YEARS AGO



Joelle Pitts

@jopitts

Ready to learn more about cognitive mapping in [#CogMaps](#) @ [#acrl2015](#)



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Don

Donna Lanclos

@DonnaLanclos

Alright, [#cogmaps](#) session at [#acrl2015](#) is ON



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Don

Donna Lanclos

@DonnaLanclos

We are going to have you actually draw [#cogmaps](#) come on down sit at a table [#acrl 2015](#)



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Don [Donna Lanclos](#)
@DonnaLanclos

[#cogmaps](#) maps reflect an understanding of spaces, are relatively fast and easy to implement as a method to investigate spatial perception

 3 YEARS AGO



[Juliann Couture](#)
@julezig

And now [@DonnaLanclos](#) is trying to make me go to the front of the room. [#cogmaps](#) [#acrl2015](#)

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Don [Donna Lanclos](#)
@DonnaLanclos

[#cogmaps](#) generally 2-D reps of 3-D spaces, but remember you can also have people map processes [#acrl2015](#)

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mre: [Meredith Evans](#)
@mre1920

learning cognitive mapping w/ my friend [@DonnaLanclos](#) [#acrl2015](#) [#cogmaps](#)

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libra [Meredith Farkas](#)
@librarianmer

Cognitive maps were developed to understand spatial perceptions of people in neighborhoods.
[#acrl2015](#) [#cogmaps](#)

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Don [Donna Lanclos](#)
@DonnaLanclos

DRAW YOUR MAPS [#cogmaps](#) [#acrl2015](#)

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Juliann Couture
@julezig

Also, #cogmaps wants to autocorrect to cognac. @DonnaLanclos @aasher

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Joelle Pitts
@jopitts

Maps represent a cognitive understanding of places and spaces - drawing a map of my learning spaces now #CogMaps @ #acrl2015

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Ameet Doshi
@AmeetDoshi

where do you do your best work? sunlight, table space, access to food and drink, sometimes quiet / sometimes active #cogmaps #acrl2015

 3 YEARS AGO



Andrew Asher
@aasher

Wow --the conversation sounds great #cogmaps #wallofsound

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Don **Donna Lanclos**
@DonnaLanclos

Attendees are sharing their cognitive maps with smiles and enthusiasm #cogmaps #acrl2015

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RT @DonnaLanclos: Lots of lively folks pic.twitter.com/cU5C9ovFGs #cogmaps

 ANDREW ASHER @AASHER · 3 YEARS AGO

Don [Donna Lanclos](#)
@DonnaLanclos

Those of you in the #cogmaps #acrl2015 session please live-tweet your maps

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Sharing and discussing the maps we've drawn [#cogmaps](#) [#acr12015](#) pic.twitter.com/EuhAnlf6ET

 MAURA SMALE @MAURAWEB · 3 YEARS AGO

pieb [lia friedman](#)
[@piebrarian](#)

“[@DonnaLanclos](#): Those of you in the [#cogmaps](#) [#acr12015](#) session please live-tweet your maps”
ditto!

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[Andrew Asher](#)
[@aasher](#)

[@DonnaLanclos](#) Starting the [#cogmaps](#) discussion

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[Andrew Asher](#)
[@aasher](#)

Work in many differnt spaces noted-- often not offices [#cogmaps](#)

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Andrew Asher
@aasher

ICYMIm Prompt is mapy your learning spaces #cogmaps

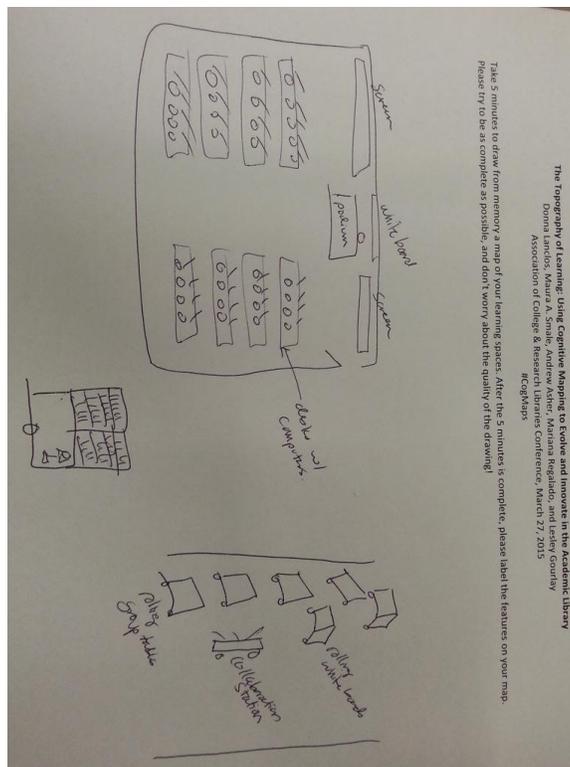
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Andrew Asher
@aasher

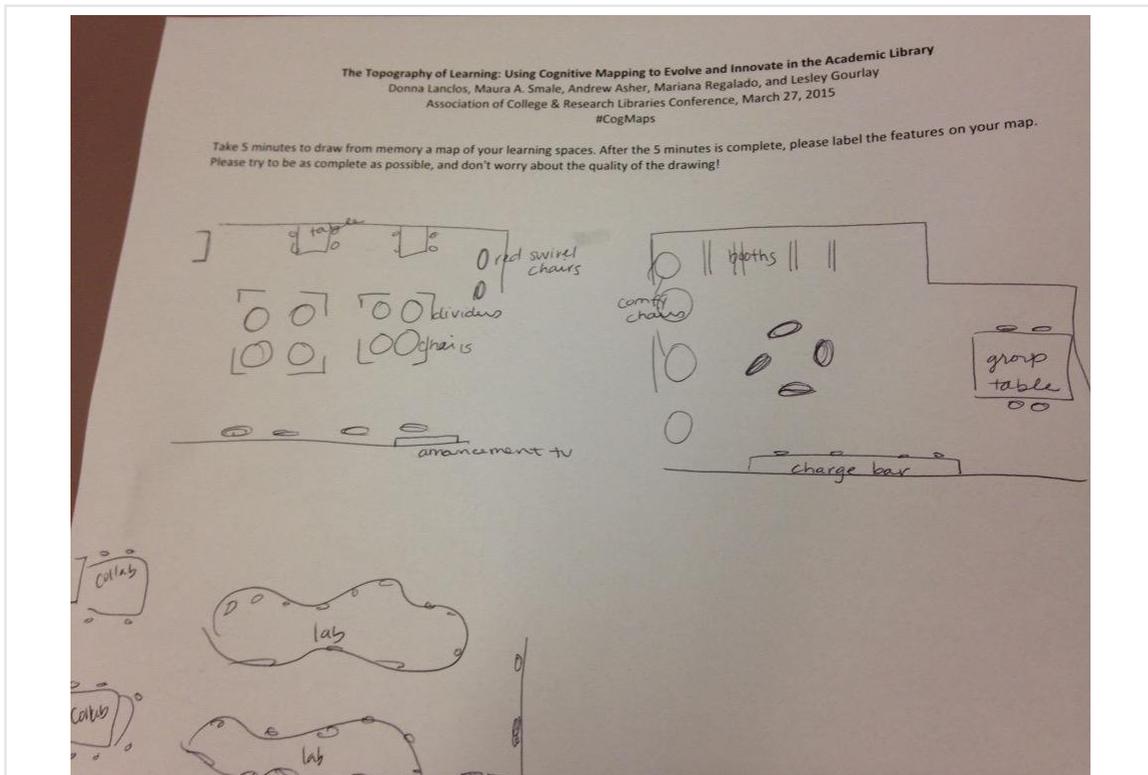
There are often 2 clear strategies for mapping: spatial which emphasizes the overall shap of a place/area #cogmaps +

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My library and personal learning spaces #CogMaps at #ACRL2015 pic.twitter.com/4fNNvuNS1X

JOELLE PITTS @JOPITTS · 3 YEARS AGO



Mapping out learning spaces #cogmaps #acrl2015 pic.twitter.com/u0VSIYDpKH

ADSTARKEL @ADSTARKEL · 3 YEARS AGO



Andrew Asher
@aasher

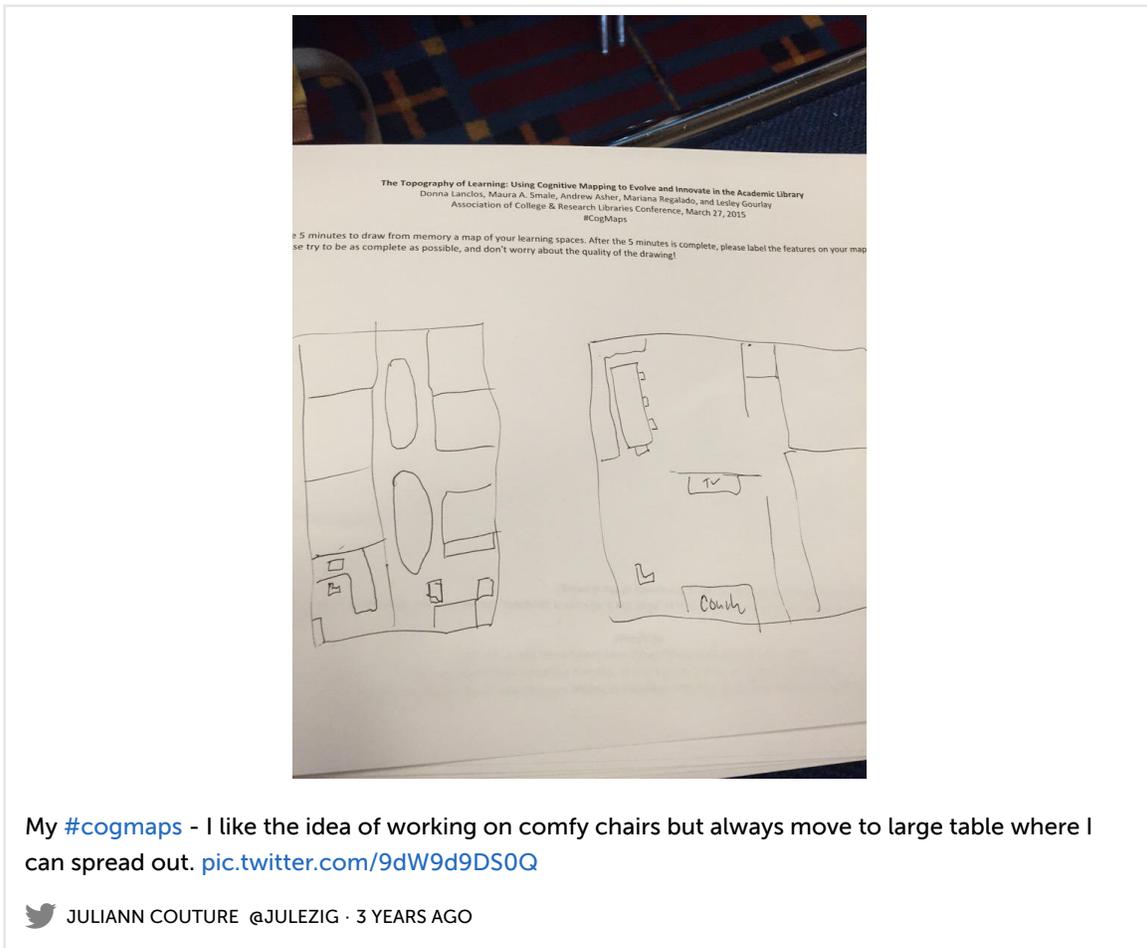
and path focused, which empasizes movement through a space #cogmaps

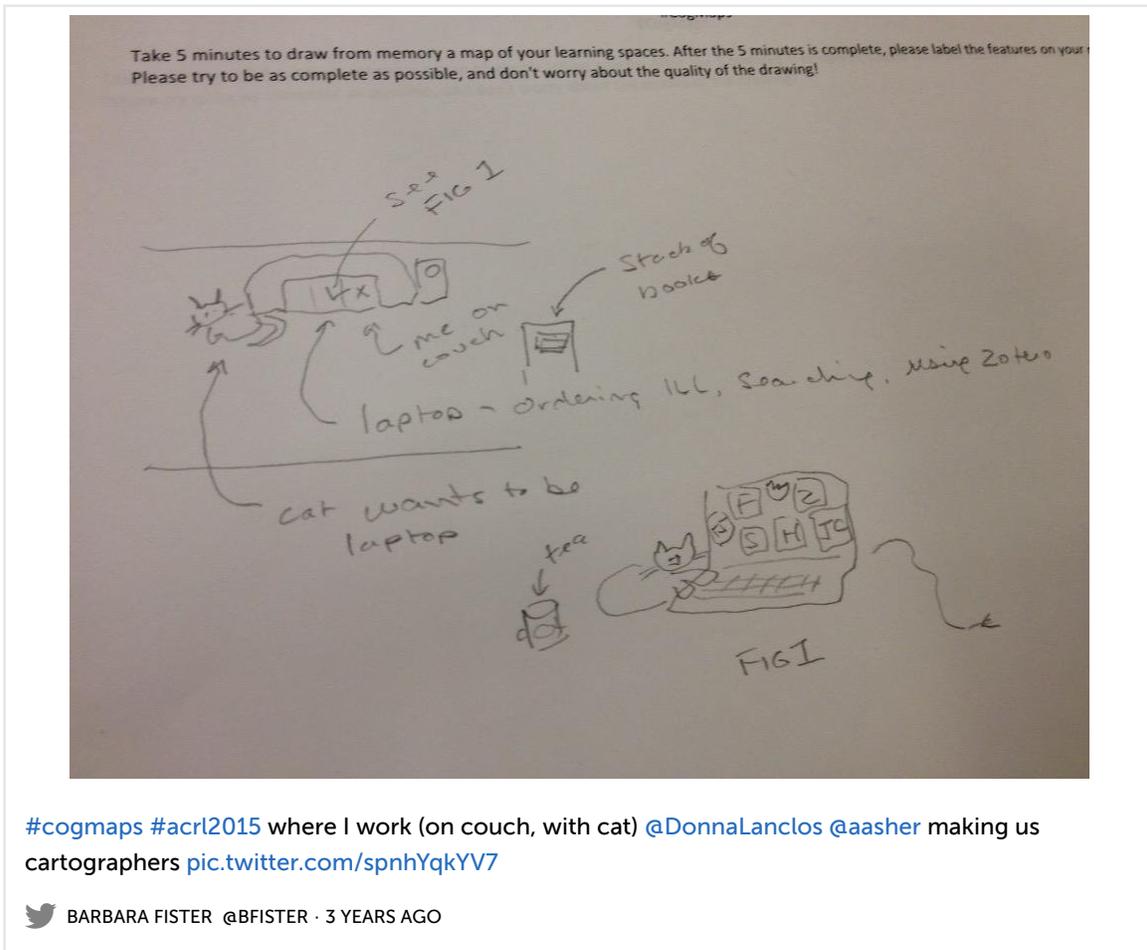
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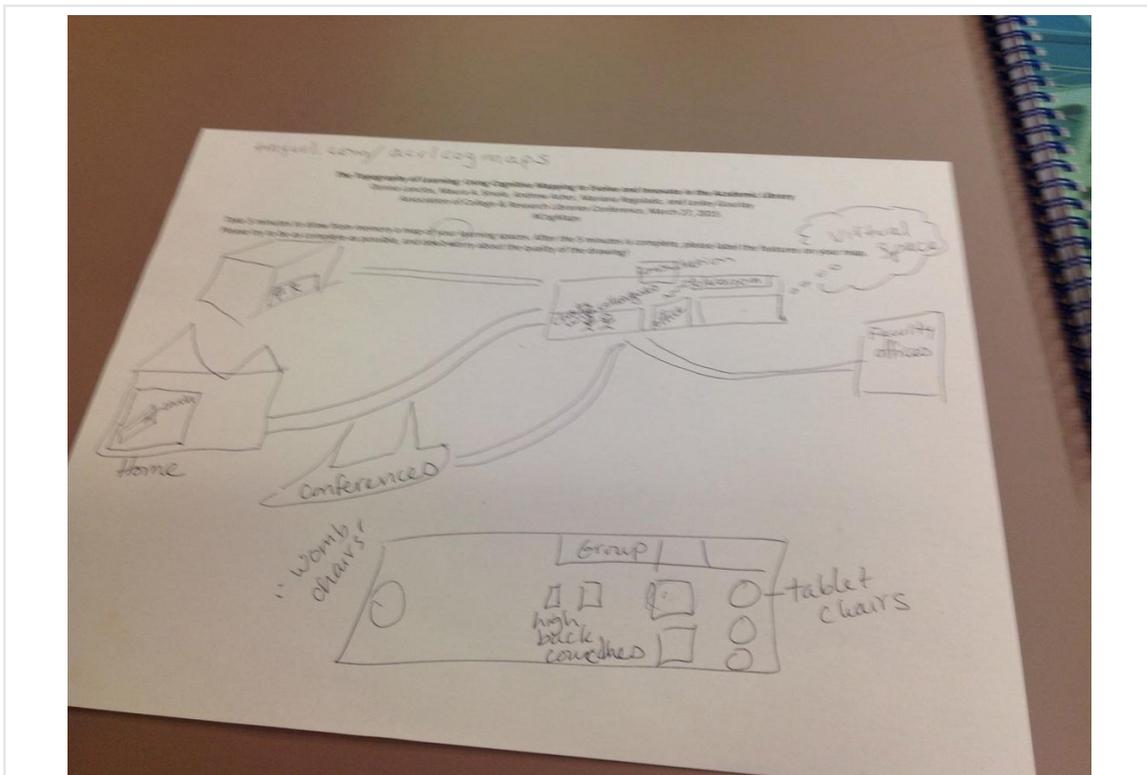
My

My horrible learning space map. This is why I majored in business, not art. 😞 #acrl2015 #cogmaps
pic.twitter.com/26265u7ZDQ

JORDAN @GUYBRARIANESQUE · 3 YEARS AGO

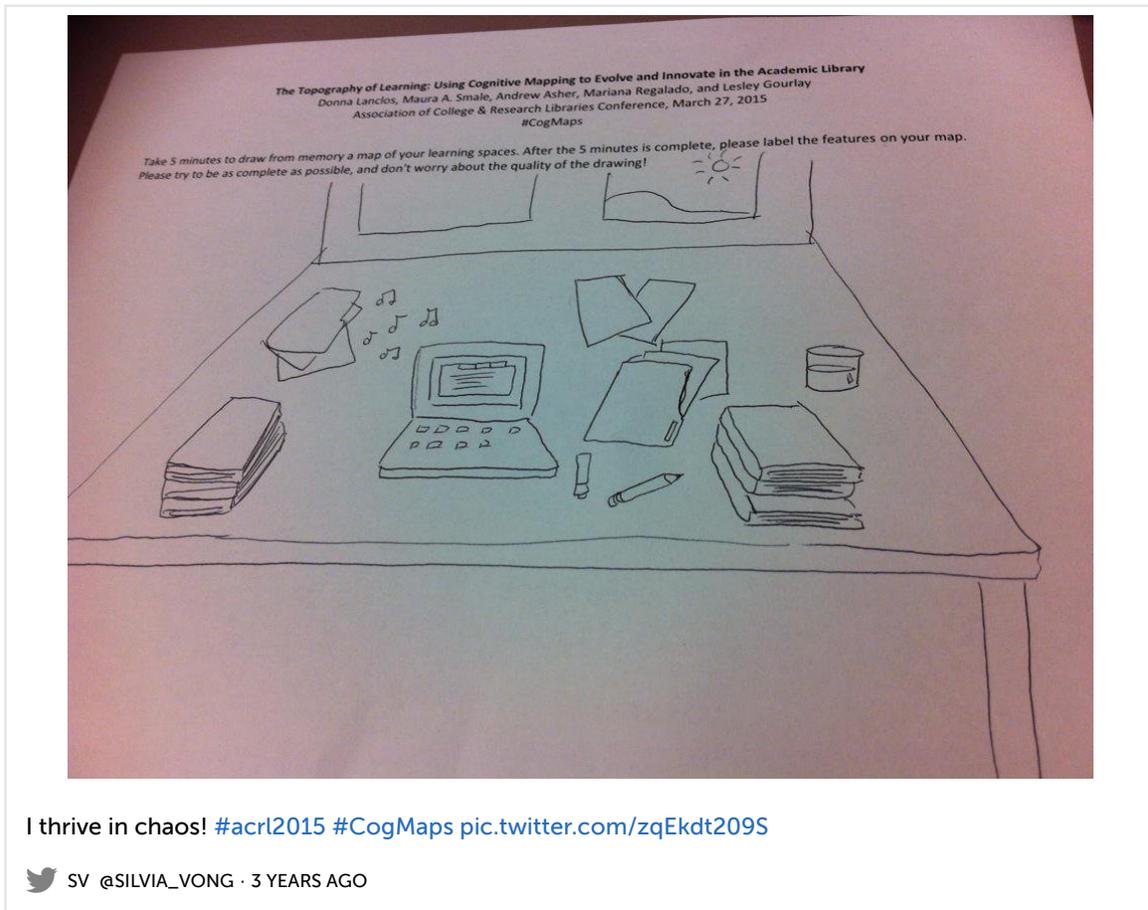






My blurry #CogMaps of my learning spaces #ACRL2015 tinyurl.com/acrlcogmaps
pic.twitter.com/WdLvyenkeJ

HEIDI SENIOR @HEIDISENIORPDX · 3 YEARS AGO



Thi

Thanks #cogmaps for making me think about learning spaces! #ACRL2015
pic.twitter.com/6Zr0zS4bc9

G MARTÍNEZ MERCIER @MARTINEZMERCIER · 3 YEARS AGO



Juliann Couture
 @julezig

If I need a table to spread out, students prob need them too. Might be why they don't like comfy chairs w/ tiny desks. #acrl2015 #cogmaps

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Joelle Pitts
@jopitts

Students mapping the library almost always mapped it with a different orientation than the posted signage #CogMaps at #acrl2015

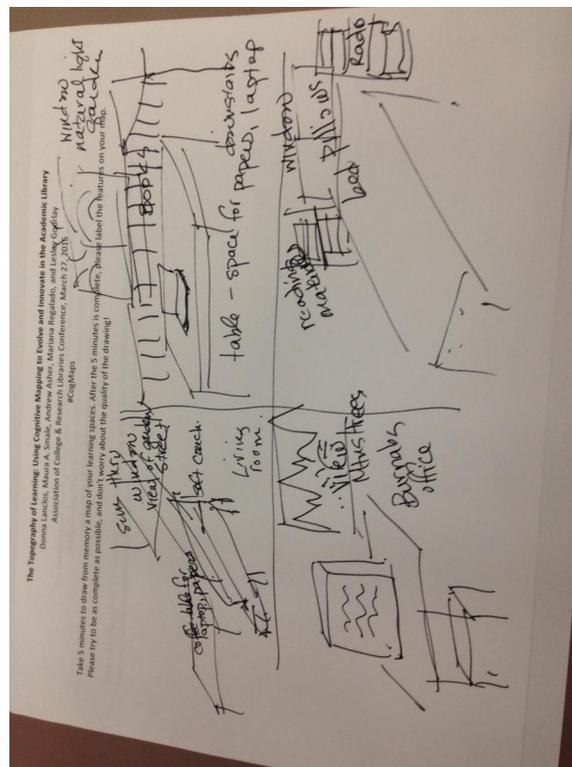
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Ameet Doshi
@AmeetDoshi

what isn't mapped can be just as important as what is #cogmaps #acrl2015

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Cognitive map of my learning spaces #cogmaps #ACRL2015 pic.twitter.com/ETx0Ntd5ag

SYLVIA ROBERTS @CMNSLIBRARIAN · 3 YEARS AGO

mre: **Meredith Evans**
@mre1920

I like windows and tables #acrl2015 #cogmaps

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Ameet Doshi
@AmeetDoshi

how much time to complete the cognitive maps? is there an advantage to getting first impressions? #cogmaps #acrl2015

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Don **Donna Lanclos**
@DonnaLanclos

.@aasher suggests indices for analyzing #cogmaps #acrl2015

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Joelle Pitts
@jopitts

Can use cognitive mapping to reallocate high identification areas in the library #CogMaps at #acrl2015

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mrlit **Joe Hardenbrook**
@mrlibrarydude

Cognitive mapping session: best library real estate taken up by low identification items. Need to rethink your space. #cogmaps #acrl2015

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Andrew Asher
@aasher

@AmeetDoshi bus as learning space #cogmaps often very important for urban students

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Andrew Asher
@aasher

@AmeetDoshi Usually 5-10 per map #cogmaps After that its usually diminishing returns

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Andrew Asher
@aasher

bus as learning space #cogmaps often very important for urban students

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Theresa Quill
@TheresaQuill

@aasher I am so sad that I'm not talking about #cogmaps in Portland. It's currently snowing in Bloomington.

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Andrew Asher
@aasher

@AmeetDoshi Other studies have shown that maps are usually stable in the short term for an individual #cogmaps +

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Andrew Asher
@aasher

@AmeetDoshi but over long term change a understanding of space evolves #cogmaps

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Don Donna Lanclos
@DonnaLanclos

.@lesleygourlay shows the creation of personal spaces in non-permanent environments, making "their" desk in a shared space #cogmaps #acrl2015

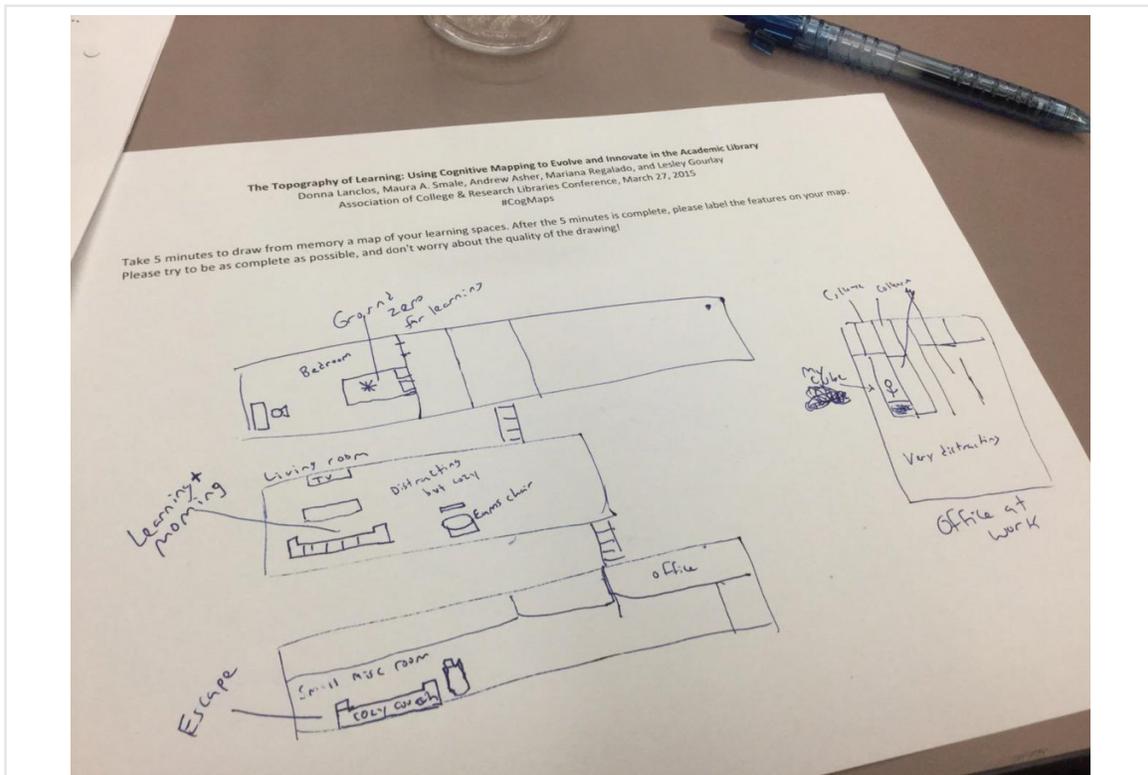
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Jenaya
@jenayawebb

The digital is VERY situated #cogmaps #acrl2015

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My learning spaces, such as they are. #acrl2015 #cogmaps pic.twitter.com/xmCxmT447p

 MEREDITH FARKAS @LIBRARIANMER · 3 YEARS AGO

Don [Donna Lanclos](#)
@DonnaLanclos

.@lesleygourlay these techniques help root our thoughts about learning spaces in ethnographic detail and specifics #cogmaps #acrl2015

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 [Joelle Pitts](#)
@jopitts

Cognitive mapping can be a mini ethnography of your students' learning spaces #CogMaps at #acrl2015

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Andrew Asher
@aasher

[#cogmaps](#) can be used with & without a debriefing interview--if there's time its often a great approach to ask the person to describe map

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libra [Meredith Farkas](#)
@librarianmer

Cognitive mapping gives you access to student perceptions (often unconscious) in ways you can't get from observation. [#acrl2015](#) [#cogmaps](#)

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bfist [barbara fister](#)
@bfister

[#cogmaps](#) [#acrl2015](#) Also have students take photos, narrate their maps and photos.

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Ameet Doshi
@AmeetDoshi

cog maps provides access to granular (other dimensional) data, good supplement to user interviews [#cogmaps](#) [#acrl2015](#)

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Theresa Quill
@TheresaQuill

[@mirmatt](#) [@DonnaLanclos](#) What about something like [floorplanner.com](#) for online [#cogmaps](#)? I also love [@cartoDB](#) for easy, free web mapping

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Don [Donna Lanclos](#)
@DonnaLanclos

Love seeing the wide variety of [#cogmaps](#) coming out of our [#acrl2015](#) session

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Don [Donna Lanclos](#)
@DonnaLanclos

Note the importance of public transportation in NYC [#cogmaps](#) that [@mauraweb](#) and Mariana Regalado collected from commuter students [#acrl2015](#)

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 [OAI](#)
@OAI_PSU

PS--the session is on [#cogmaps](#) at [#acrl2015](#) sounds fabulous!

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 [Joelle Pitts](#)
@jopitts

Books still "say library" to the students [#CogMaps](#) at [#acrl2015](#)

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Don [Donna Lanclos](#)
@DonnaLanclos

.[@mauraweb](#) shows not just spatial maps but also process [#cogmaps](#) you can do both, too [#acrl2015](#)

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libra [Meredith Farkas](#)
@librarianmer

Cognitive mapping can be used to show how students travel to school and around campus and where they get work done. [#acrl2015](#) [#cogmaps](#)

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Don [Donna Lanclos](#)
@DonnaLanclos

When you have [#cogmaps](#) you can ask people about what kind of things they do in what sorts of places [#acrl2015](#)

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Ameet Doshi
@AmeetDoshi

has anyone done cog maps for website / online interactions (digital spaces)? #cogmaps
#acrl2015

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mrlit **Joe Hardenbrook**
@mrlibrarydude

Cognitive mapping session: Books still = "library" to students even if they don't use the books.
#cogmaps #acrl2015

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Don **Donna Lanclos**
@DonnaLanclos

.@mauraweb this is NOT about artistry #cogmaps are about representing spaces & processes a
start to further investigation #acrl2015

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Andrew Asher
@aasher

@AmeetDoshi I've tried it for prompts like "how does google work" but not systematically I think
it could be quite effective #cogmaps

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Jane Davis
@JaneDavis13

RT @DonnaLanclos: When you have #cogmaps you can ask people about what kind of things
they do in what sorts of places #acrl2015 < yes!

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Don **Donna Lanclos**
@DonnaLanclos

Mariana makes lovely point that this #cogmaps technique gives us access to the texture of
people's everyday lives #acrl2015

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Michael Paulus
@mjpaulusjr

.@lesleygourlay: Cognitive mapping shows how digital work is situated and accompanied by physical materials. #cogmaps #acrl2015

 3 YEARS AGO



Colleen MacKinnon
@mackinc

Cognitive mapping can show the texture of student lives #CogMaps #acrl2015

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Ameet Doshi
@AmeetDoshi

@aasher nice, that approach be an effective tool for conversations about the nature of information #infolit #cogmaps

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Andrew Asher
@aasher

#cogmaps can be used to reveal very important differences in how things like class affect student experience #cogmaps

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Don Donna Lanclos
@DonnaLanclos

Students are bringing food, will they be able to eat in the library? Affects their work! #cogmaps #acrl2015

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Don Donna Lanclos
@DonnaLanclos

Maps within maps--research process within spatial #cogmaps #acrl2015

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Don [Donna Lanclos](#)
@DonnaLanclos

[#cogmaps](#) are important opportunities to reflect on practice, for us and for the people drawing the maps [#acrl2105](#)

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mrlit [Joe Hardenbrook](#)
@mrlibrarydude

Cognitive mapping session: students reported liking private library spaces because they may lack those spaces @ home. [#cogmaps](#) [#acrl2015](#)

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Don [Donna Lanclos](#)
@DonnaLanclos

Please tell us how you think you could use [#cogmaps](#) at your own institution [#acrl2015](#)

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Don [Donna Lanclos](#)
@DonnaLanclos

Think carefully about the question you want to ask when collecting [#cogmaps](#) [#acrl2015](#)

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Don [Donna Lanclos](#)
@DonnaLanclos

Prompts for these can be very important [#cogmaps](#) [#acrl2015](#)

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Don [Donna Lanclos](#)
@DonnaLanclos

.@lesleygourlay points out potential for emergent outcomes from these [#cogmaps](#) techniques

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Andrew Asher
@aasher

@DonnaLanclos @lesleygourlay Yes! #cogmaps are great for exploratory work b/c they are fast & generate a lot of data

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Ameet Doshi
@AmeetDoshi

this is a good way to discover "desire lines" in both physical and digital spaces #cogmaps #acrl2015

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Don Donna Lanclos
@DonnaLanclos

#IOE student doing teacher training had simple maps because they got all their stuff from Moodle @lesleygourlay #cogmaps #acrl2015

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Don Donna Lanclos
@DonnaLanclos

"We made recommendations for big changes" @aasher sighs #cogmaps #acrl2015

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Don Donna Lanclos
@DonnaLanclos

#cogmaps can give you insights, but institutional concerns can get in the way of making changes based on them #acrl2015

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Don Donna Lanclos
@DonnaLanclos

Changes don't have to be spatial, some can be organizational, some can be policy #cogmaps #acrl2015

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Don [Donna Lanclos](#)
@DonnaLanclos

Happy to have + ideas about how to use #cogmaps--eg using for strategic planning in #libraries, ID-ing barriers w/in resources #acrl2015

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[Andrew Asher](#)
@aasher

@DonnaLanclos Yes please share with us! #cogmaps

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Don [Donna Lanclos](#)
@DonnaLanclos

Liking the temporal aspects of #cogmaps #acrl2015 maybe use to figure out course navigation, resource navigation

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Don [Donna Lanclos](#)
@DonnaLanclos

Try recruiting for #cogmaps outside of the library #acrl2015

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Don [Donna Lanclos](#)
@DonnaLanclos

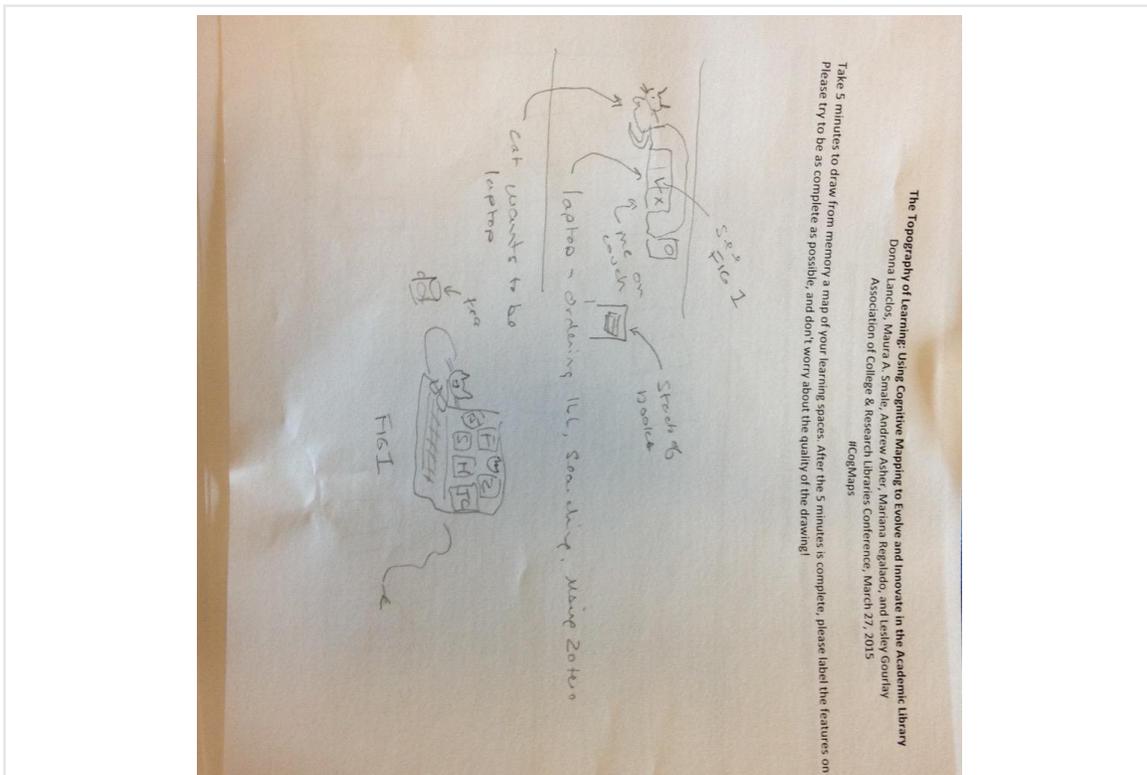
You can ask them explicitly to map digital places as well as physical #cogmaps #acrl2015

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libra [Meredith Farkas](#)
@librarianmer

Don't only recruit in the library for participants if you want to get non-users too. #acrl2015 #cogmaps

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Thanks to all who drew #cogmaps w/us esp this one w/cats! #acrl2015
pic.twitter.com/jWQRLBmh9z

 MAURA SMALE @MAURAWEB · 3 YEARS AGO



HogwartsUXLibrarian
 @HogwartsUXLib

.@DonnaLanclous Since wizards' drawings can move, our #cogmaps have a temporal dimension as well, showing changing relationships over time.

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HogwartsUXLibrarian
 @HogwartsUXLib

.@DonnaLanclous This can highlight the effect of change in emotional state, time of day and other factors on user experience. #cogmaps

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Don [Donna Lanclos](#)
@DonnaLanclos

Still so pleased at the energy and interest that greeted our [#cogmaps](#) session at [#acrl2015](#).
Please let us know how you use the techniques!

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 [Stephanie Beene](#)
@BeeneSteph

Love the cross-session synchronicity. [#cogmaps](#) [#ux](#) [#data](#) [#discovery](#) [#assessment](#) [#acrl2015](#)

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