





Unit O: Sneak Peak | 06.05.25 15:00-15:15

Welcome to the 2025 T/U(X)W Design Challenge!



Interested in environmental justice? Have a little mapping experience? Be the first to look for patterns and stories in our dataset. Add a new map to your portfolio and compete for prizes in our one day design event.

Over one million tons of hazardous waste are traded among the United States. Canada, and Mexico each year. What kinds of waste are traded, and where do they go? What happens to it upon arriving at its destination? What does it mean for

> Lab, Science Hall M390, 550 N.

> > Park St

In this design challenge, UW-Madison students are invited to participate in a mapping competition to begin to answer these questions. Participants will be the dataset assembled from two Freedom of Information Act Requests to the U.S. Environmental Protection Agency on U.S. hazardous waste imports.



CARTOGRAPHY LAR DesignChallenge2020 SPEND THE DAY IN THE NEWSROOM Any questions should be directed to On February 22, 9am-8pm Geography students Rob Roth (reroth@wisc.edu) or Tanya will convene in the UW Cartography Lab for Buckingham (tbuckingham@wisc.edu). the annual Design Challenge. If you are interested in an experience of mapping the news, Please sign up so we know how much food to order! please sign up by February 14 to participate. Also join our special guest, Lauren Tierney bit.ly/DesignChallenge2020 (Washington Post) for her Yi-Fu talk on Friday February 21. expert guest: Lauren Tierney Graphics reporter and cartographer Washington Post

Design Challenge 2023

visualizing the evolution of the Great Plains

February 25 | 10am - 8pm | UW Carl Lab, M390 Science Hall







This year, we'll be collaborating with Geography Prof. Joe Mason on an NSE-funded project to tell visual stories about now landscapes and soils respond to a changing climate. You will gain experience collaborating on interdisciplinary teams of cartographers and Earth systems geographers to create compelling explanations of landscape evolution! The event will give you the chance to explore new terrain representation and hydrological flow mapping techniques, combine realistic and artistic visual styles to promote public engagement, and add a proof-of-concept design piece to your portfolio! Meals provided throughout the event to all participants.

Sponsored by the National Science Foundation and the University of Wisconsin Cartography Lab. For questions, please contact Robert Roth at

Register by Feb. 17 here: tinyurl.com/23uaejm5



Som, Map Library Doen to the public

Design 9:30am 5pm

UN Cartography Lat Meals provided

VISUALIZE SPACIO TEMPORAL FOSSIL DATA

ORK IN A TRAM ON RECENT COMATE RESEARCH

CARTOGRAPHY LAB University of Wisconsin-Madison

What is a Design Challenge?

THE UW CARTOGRAPHY LAB AND THE CENTER FOR TEACHING (EARNING & MENTORING PRESENT

Register by 5pm February 6th at bit.ly/lyGSwWI

Questions? Contact Robert Roth at reroth@wisc.e



COME FOR THE CURRICULUM DEVELOPMENT, STAY FOR THE FOOD!

Design Challenge 2018

feminist cartographies and recidivism February 17 | 9am-8pm | UW Cart Lab. Science Hall







sored by... UW-Madison Cartography Lab, Geograds, WIG, Geography and the Holtz Center for Science and Technology Studies!

With Who? Catherine D'Ignazio (feminist data visualization expert) AND the United Way of Dane County, specifically, the Journey Home Initiative. The Journey Home Initiative addresses recidivism or "return to prison rates" by providing housing, employment, support, and treatment programming for individuals looking for a fresh start.

What? This year's Design Challenge explores the geographies of recidivism in Madison through feminist mapping! Working with Catherine D'Ignazio, we'll learn about feminist visualization principles and then put theory into practice in an all day mapping event We'll break into teams and work with the Journey Home Initiative of the United Way to make maps that have a positive and productive impact on our community disrupting the cycle of recidivism in Madison

Why? This workshop is for you if you're interested in maps, design, feminist theory, and/or social justice! You'll walk away with a portfolio piece, work on a real-world projert meet more neonle in the department and on campus, and develon feminist man ping practices in a supportive environment

BREAKFAST, LUNCH, SNACKS, BEVERAGES, AND DINNER ARE PROVIDED!

PSVP: https://tinyurl.com/Design/Challenge2018 or email Meghan Kelly (mkelly22@wisc.edu)

hosted by the UW-Madison Cartography Lab

March 4, 2017 • 9am-8pm • UW-Madison Cartography Lab

MEANINGFUL WORK FOR YOUR CIT

Maps are powerful and persuasive visuals for tackling local needs. The 2017 Design Challenge will focus on mapping and community needs in Madison! Participants will create a comprehensive plan for Madison focused on community services (where are the services and who is being served), and create a focused map analysis of Bridge Lake Point Waunona Community Center (what does the center nmylde and who's being served). The goal is to put our plans into action to make a difference within our community Join us in the cart lab if you have taken

305, 370, 377, or have expertise in city planning and you want to · improve your design skills

· work on a meaningful, real-world project WATCH HERE FOR AN - meet more people in the department

AMNOUNCEMENT ABOUT SPECIAL QUEST CARTOGRAPHERI INFO & REGISTRATION: bitly/DesignChallenge2017

BREAKFAST, LUNCH, & DINNER WILL BE SERVED TO PARTICIPANTS

Design Challenge

Pre-Workshop Fieldtrip to Milwaukee Saturday, February 9 | 9am-5:30pm

Kelly Lytle Hernandez, Yi-Fu Tuan Lecture Friday, February 22 | 3:30-4:30pm

Transforming Justice Mapping Workshop

Saturday, March 2 | 9am-8pm

Join us in collaboration with Jenna Loyd, Kelly Lytle Hernandez, and Transforming Justice for the fifth annual Design Challenge in the UW-Cart Lab! We will explore everyday experiences of policing in Milwaukee. Drawing on video documentaries and workshop transcripts, we will explore how these experiences build on histories of segregation and how they continue to shape divisions in the city, access to shared spaces, and well-being

For more information: https://tinyurl.com/TransformingJusticeDC2019

Sponsored by... Afro-American Studies, Center for Humanities, Chican@ and Latin@ Studies, Department of History, Geography Department, Havens Center, Holtz Center, LACIS, Morgridge Center, and UW-Cart Lab. Illustration by Carmen Quinlivan





EuroCarto2024

A Design Challenge for Enhancing Cartographic Research, Education, & Outreach

VIENNA, 9 - 11 SEPTEMBER 2024

Robert E. Roth a,*

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- * Corresponding author

Keywords: design challenge, mapping workshop, pedagogy, community-engaged scholarship, cartography labs

Abstract:

The University of Wisconsin Cartography Lab (Cart Lab) *Design Challenge* is a day-long mapping workshop that brings together Cartography and Geography students, often in collaboration with campus or community partners, around a curated mapping theme (Moore et al. 2017, Bley et al. 2022). The Design Challenge is now an institution in the University of Wisconsin–Madison Geography Department, first running in 2015 and wrapping its 10th annual event this past February 2024. We seek to identify topics that are inclusive of the diverse breadth of expertise and interests in the Geography Department, oscillating between human/critical and environmental/geophysical case studies and between research versus community partners (Table 1). In total, the ten Design Challenges have involved 68 organizers and partners and participation from 198 students from UW-Madison undergraduate and graduate Cartography and Geography programs. Accordingly, there have been numerous contributors and individual experiences across the ten Design Challenges, and in this presentation, I reflect on the strategic role of the Design Challenge for expanding cartographic research, education, and outreach at UW-Madison from my perspective as the Cart Lab Director.

2025 Prompt:











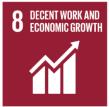
































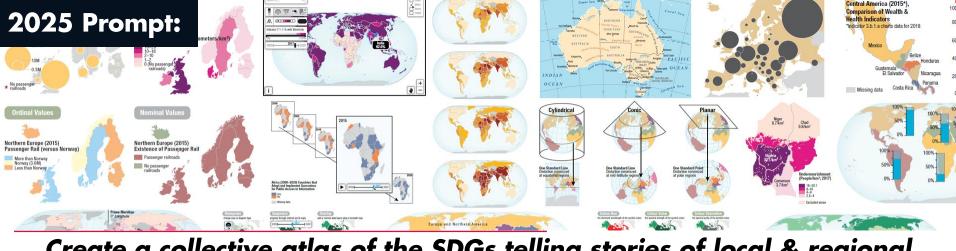
✓ Experience a real-world day in the life of a cartographer, and test your skills along the way to self-assess knowledge gaps



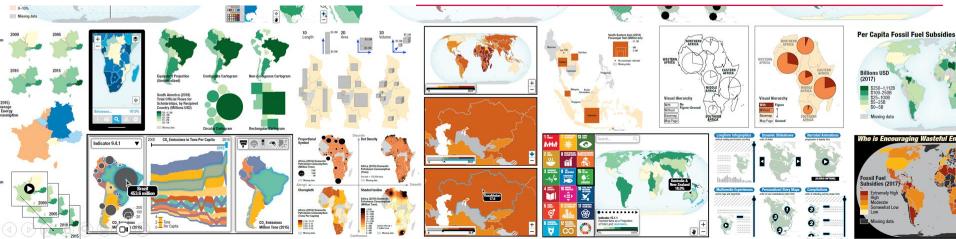


- ✓ Experience a real-world day in the life of a cartographer, and test your skills along the way to self-assess knowledge gaps
- ✓ Learn about many of the most pressing challenges facing our world and how maps can help understand and solve them





Create a collective atlas of the SDGs telling stories of local & regional inequities from the perspectives of your lived experiences



















human

4 QUALITY EDUCATION

geography

physical

natural

built

















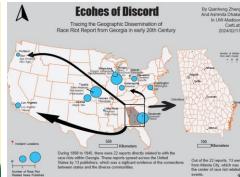


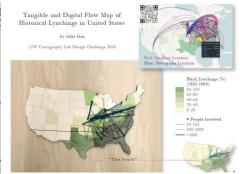
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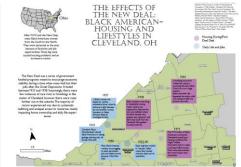














Contesting the Color Line in Birmingham, Alabama









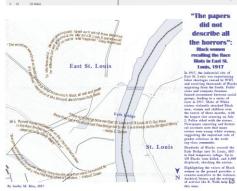
"One way I'm sure God wanted us to be unsegregated is because he kept me alive."

— Reverend Fred Shuttlesworth, Birmingham minister and civil rights leader Recorded Food Shattitesworth, Birmingsham militater and chill rights incider
smalpham san out for last carbon (Anni Lange Lang

HOLC Area Category Still Desirable

Legend

Man created by Taylor McDowell, Ameri Premananti, and Alex Armon.



Paseo Bombing In May of 1952 Mr and Mrs. Charles C. Crittender purchased and moved into a home in an all white seighborhood in Kansas City Missouri If it weren't for Miss Morlene A. Johnson's 1/2 mile journey to the Crittendon Residence, they may not have been alive mere weeks later. Broken Glas E 28th St 0 50 100 F home-made bomb was thrown through the dining room window. Quickly, she threw it outside and onto the driveway. The bomb exploded, shatterin the windows of three nearby homes. Miraculously rever, this was not the first act of violence the Crittenden's had experienced since purchasing their home. On May 2nd, the day before they tov cocktail was found on the back porch. Not to mention, when they initially purchased the home a poll issued by the Human Relation Commission to neighbors to "determine their receptiveness to black neighbors". It was concluded that "finding indicated peaceable acceptance". offermation for this map one collected from Nationical issues of the Arbanica State Press, the African American livings T and of Basses City, MO, and "Basses City Masses" Managed Impact on Huming Sugregation" y Mobel Villa Citys y Mobel Villa Citys Pala vise collected from OSM and Bosses issues created by verry promotes from Nowe Project the Probabile Poly Modifiator on Eric 47, 2008.

The Making of Southern Horrors "...the dark and bloody record of the South shows 728 Afro-Ameria Three of these men, the presi-dent, the manager and clerk of cans lynched during the past eight years" the conspiracy - were secret-In writing the pamphlet Southern Horrors: Lynch in a shockingly brutal manner. The Negroes are getting too dependent, they say, we number of incidents of whit

"To the Afro-American women of New York and Brooklyn, whose race love, earnest zeal and unselfish effort at Lyric Hall, in the City of New York, on the night of October 5, 1892-made possible its publication, this pamphlet is gratefully dedicated by the author.

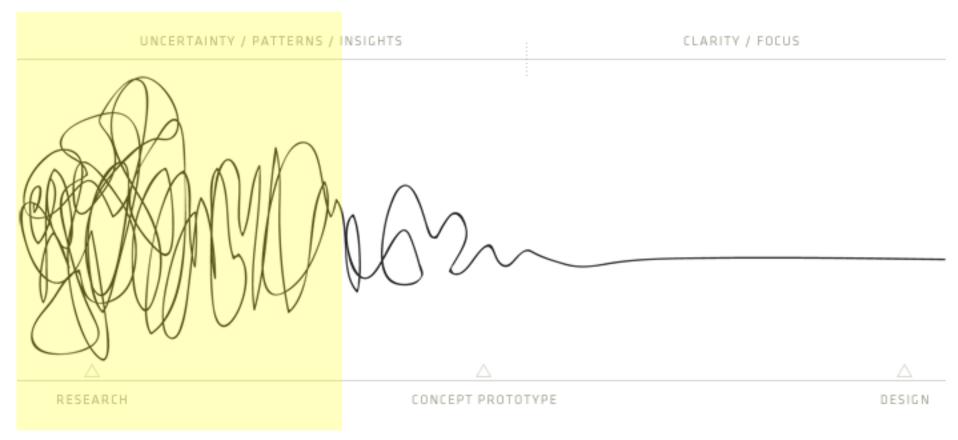
bestial race. If this work car contribute in any way

2024 Prompt:

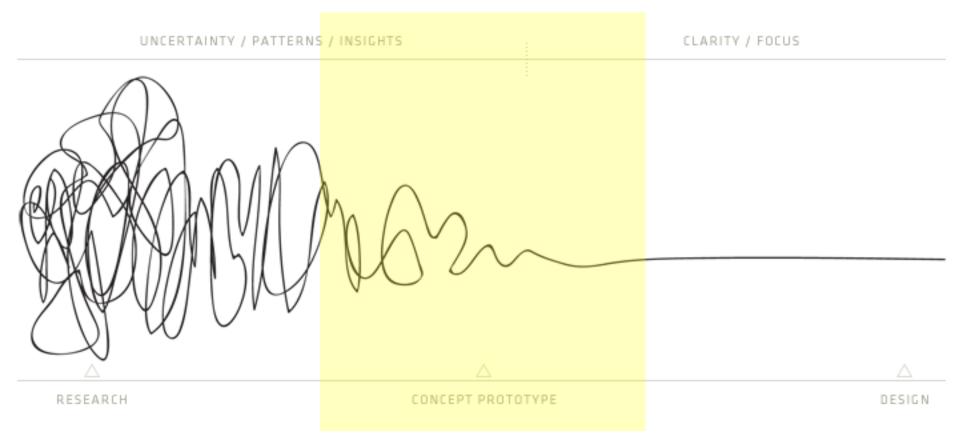
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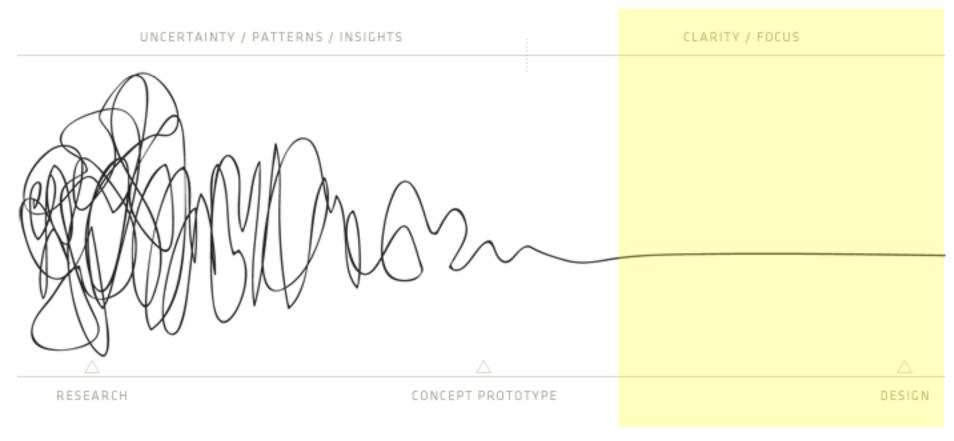
Monday



Tuesday-Wednesday



Thursday-Friday



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- ✓ Contribute to a model ICA workshop on mapping for a sustainable world



