Green Infrastructure
Illinois Design Resource Toolkit

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Illinois Extension
UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Sea Grant
ILLINOIS-INDIANA

Agenda

- Project Overview
- Website prototype summary
- High level feedback (aesthetics, functionality, user flow)
- Questions / discussion

Project Overview

Background

- Lack of urban soils characterization identified as a barrier to GSI Design by the CSC.
- Use of low- resolution soils data masks soils variability, leading to poorly sited, suboptimal GSI.
- Calumet soils research project addresses the urban soils design gap

  Hydrogeologic Soil Research for Green Stormwater Infrastructure Planning and Design Replicable Research from the Chicago-Calumet Region (Mary Pat McGuire, PI) (IISG)

- Ongoing input from the CSC was instrumental to the Calumet Soils research and project outputs.

7 STEPS TO DEVELOP YOUR GSI DESIGN

Establishing commitment, goals, priorities

Site selection and prioritization

Site soils analysis

Sizing the GSI design using reliability curves

Design scaling

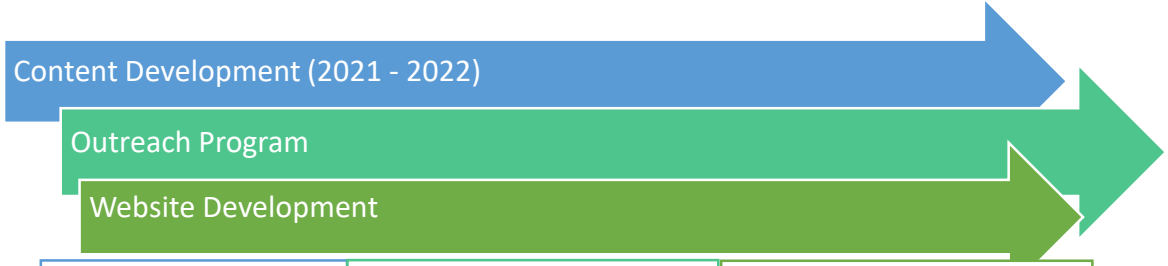
Design modeling and evaluation

Ongoing commitment and engagement

* CSC / Stakeholder engagement

University of Illinois Extension Collaboration
Green Infrastructure **Illinois Design Resource Toolkit**

- Bring together University of Illinois Green Stormwater Infrastructure research & Extension into a comprehensive website.
- Highlight how Green Stormwater Infrastructure is fundamentally collaborative & interdisciplinary.
- University of Illinois has expertise within GSI disciplinary domains but has not integrated them across departments and within Extension Services.
- Collaborate with GSI stakeholders / target audience during website design & development.



Content Development*
Calumet Soils Process Guide* (IISG)

Outerach Program
Red Oak Rain Garden
Rainscaping Workshops

Content Development
Content Editing & Additions
(1) Include University Research & Extension (Extension Collaboration)
(2) Case Studies (Extension Collaboration)
Other Resources (Plant Selector, Sizing Tool)

Outreach Program
(3) Rainscaping Workshops (Extension Collaboration)

Website Development
Design Wireframe (Miro)
Design Prototype (Figma)*

Content Development
Content Editing & Additions (Workshop materials, Cost Evaluation)*

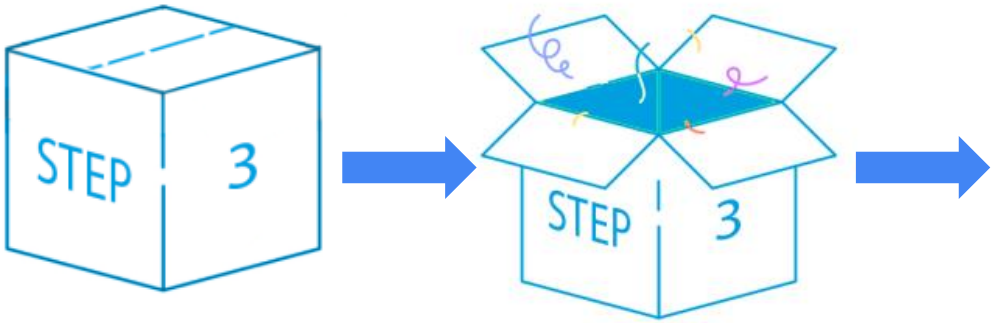
Outerach Program
Rainscaping
(3) Toolkit Workshops (2022) (Extension Collaboration)*

Website Development
Hand-off design/content to developer
Website Coding
Design Revisions*
Content Revisions & Additions*
Website Published (2022)

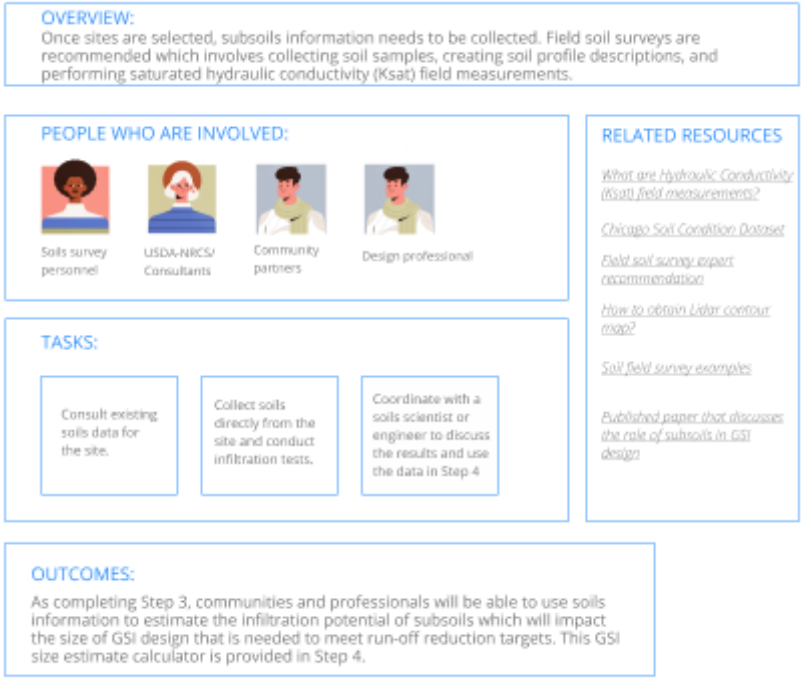
* CSC / Stakeholder engagement

Where we're going

Website Design Prototype,* → Design Revisions → Website development*



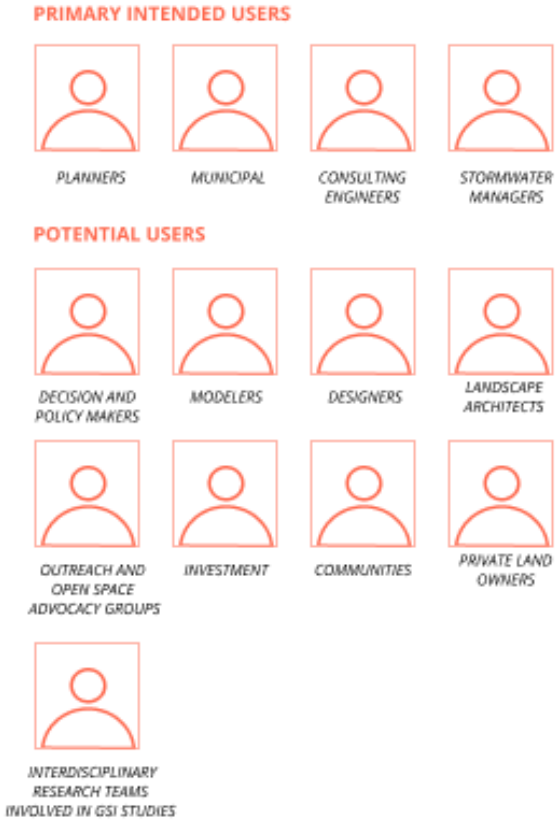
Site soils analysis



* CSC / Stakeholder engagement

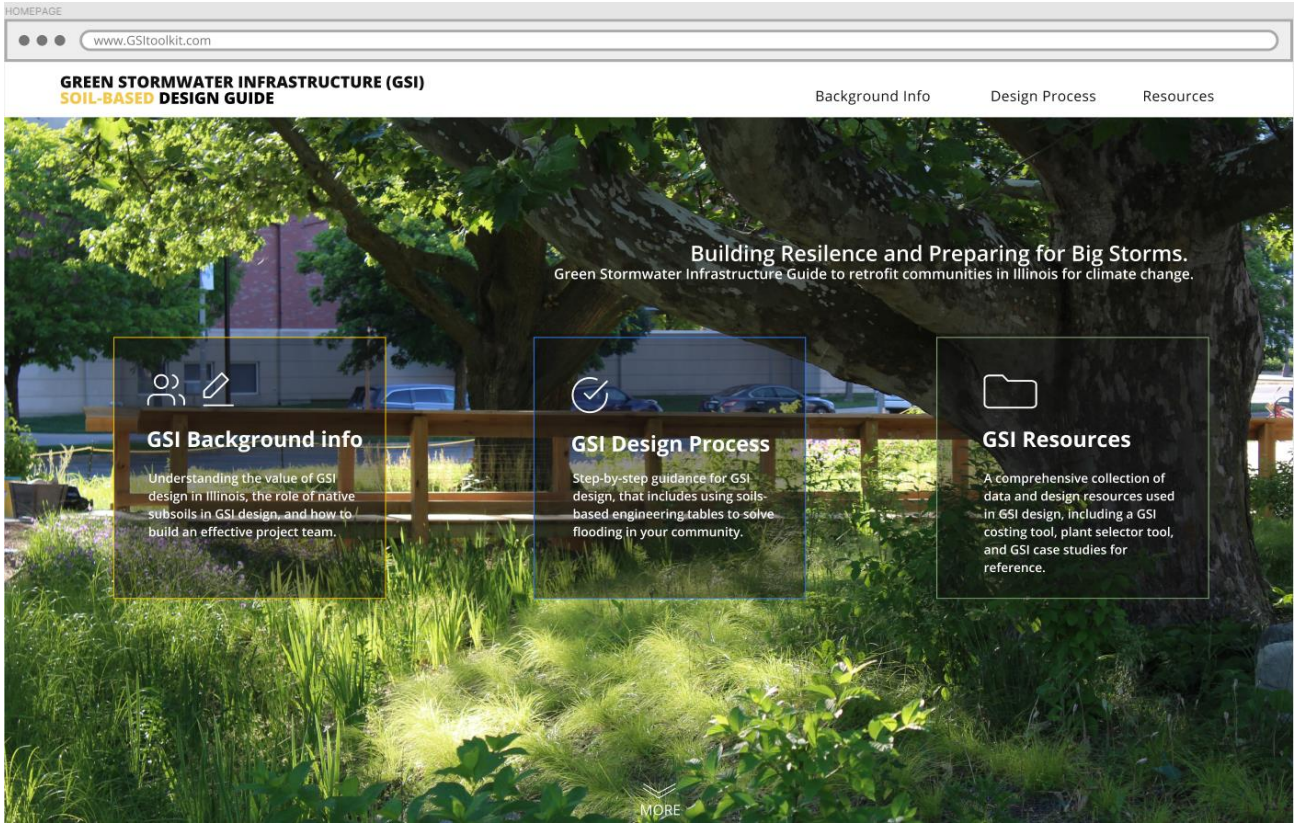
Target audiences & geography

Calumet Region → State of Illinois



Website Prototype Summary

Landing Page



Web Prototype - Ginger Jiang

- https://uofi.box.com/s/7ihhp42phh2gnz0t34geniwqni55boev

Aesthetics

Themes

Soils
Design
Tasks
People
Resources

#54AD1D #95D86F Theme color for GSI Design page

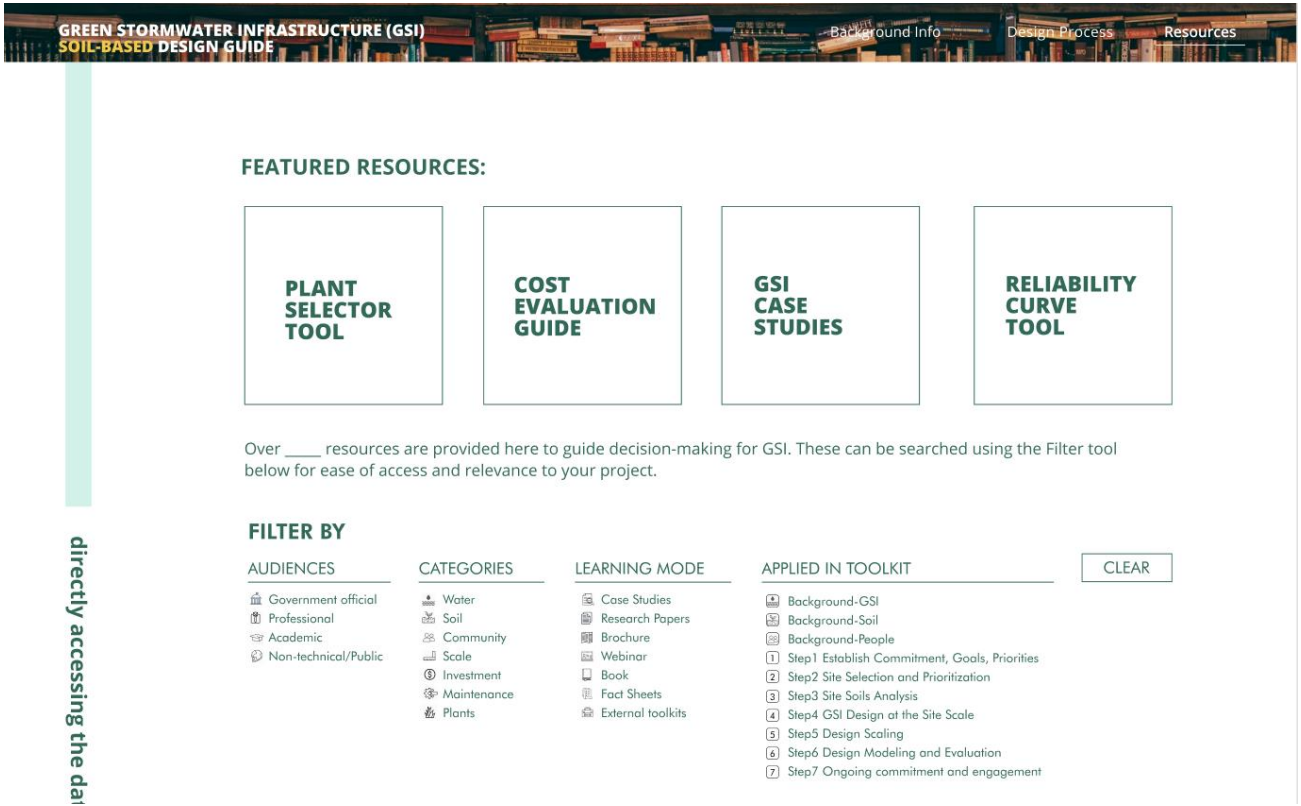
#FFC700 Theme color for Soil page

#FF513C Theme color for People page

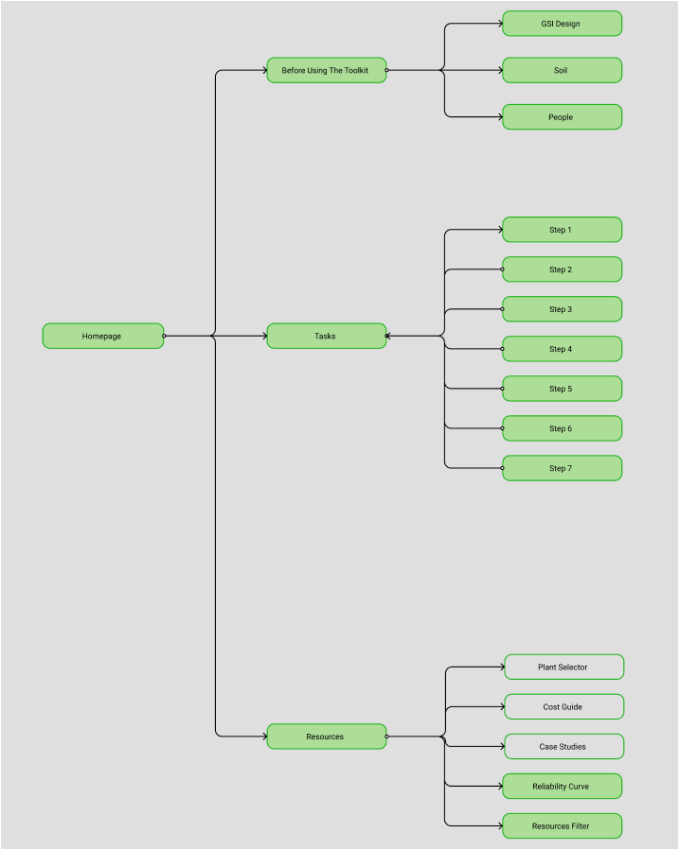
#3B8FFD Theme color for Tasks page

#54AD1D Theme color for Rescources page

Functionality



User Flow



Resources

- Partner resources
- Case Studies
- University research & data
- Extension products

Illinois Design Resource Toolkit


Questions?