



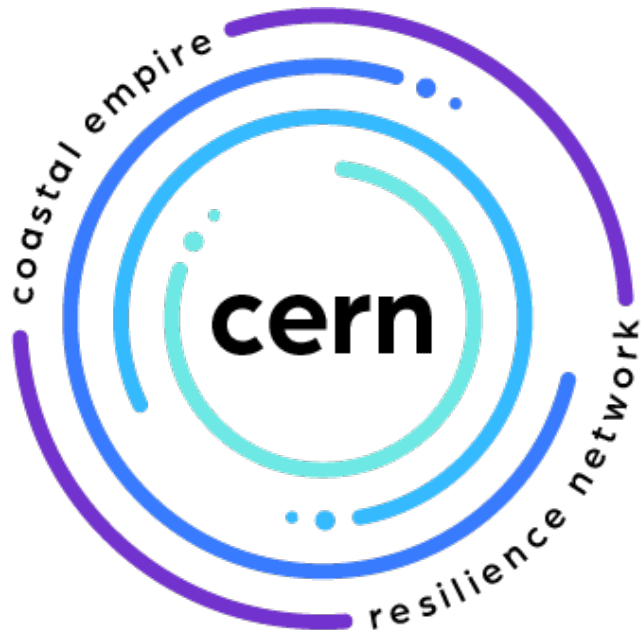
cern coastal empire
resilience network

Partner Organization Meeting 2023

13 September 2023
Coastal Georgia Botanical Gardens

Agenda

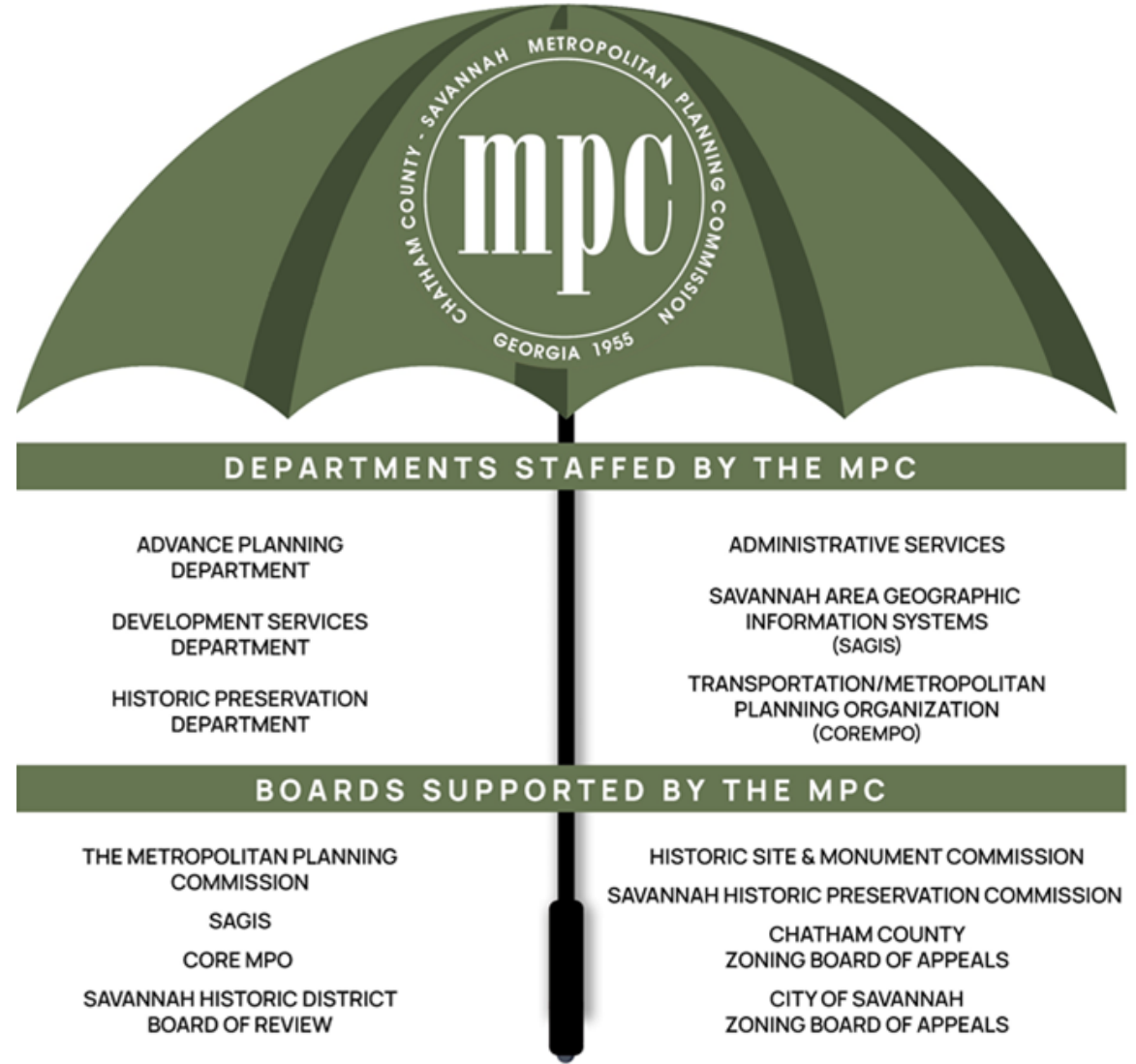
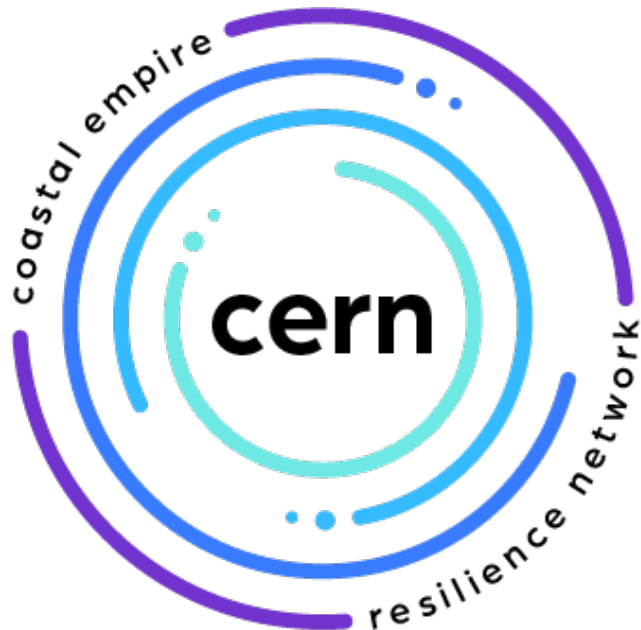
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What is CERN?

The **Coastal Empire Resilience Network (CERN)** was created to be a coast-wide network for community collaboration promoting resiliency.

It is a forum to share information, data, and experiences to promote community resilience, and develop a common framework for planning for resilience.



2021-2023 Activities

2021

- Established Steering Committee
- Created website: coastalempireresilience.org
- Resiliency 101 Course
- Conference Presentations:
 - Georgia Municipal Association Municipal Training Institute at the 2021 Annual Convention
 - [Georgia Department of Natural Resources Coastal Resources Division 2021 Climate Conference](#)
 - Chatham County Climate Change and Sea Level Rise Symposium. Topic: “Building a Coastal Empire Resilience Network (CERN)”


2022

- First Partner Organization Meeting:
 - February 2022
 - Over 100 attendees
 - Visioning and overview of current issues
- Resilience Coffee Hours:
 - March-December
 - Approximately 20-60 attendees for each presentation


2023

- Established Technical Advisory Committee
- Wonderful World of Resiliency Activity Book
- Created Instagram account: [@cern_mpc](#)
- 2023 Partner Organization Meeting

RESILIENCE COFFEE HOUR
 March 4, 2022



Insect Vectors and the Growing Impacts on Our Community
 Rosmarie Kelly, PhD MPH



RESILIENCE COFFEE HOUR
 April 1, 2022



How Property Insurance Rates Along the Coast Are Impacted by Climate Change
 Jeff Brady, ANFI



RESILIENCE COFFEE HOUR
 May 6, 2022



Mitigating the Impacts of Extreme Heat on Human Health
 Dr. Evan Mallen





RESILIENCE COFFEE HOUR
 Friday, June 3rd
 8:30 AM - 9:30 AM
bit.ly/CERN-Coffee_June

Building Response and Resilience in Our Community through Diversity, Equity, and Inclusion
 Alicia Johnson




RESILIENCE COFFEE HOUR
 Friday, August 5th
 8:30 AM - 9:30 AM
bit.ly/CERN-Coffee_August

Planning for Natural Infrastructure to Enhance Community Resilience
 J. Scott Pippin

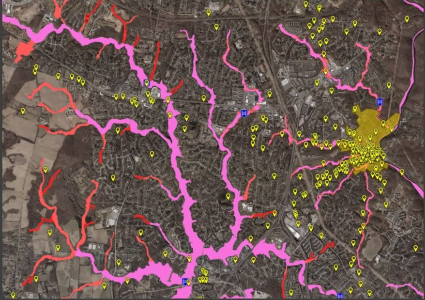
RESILIENCE COFFEE HOUR
 Friday, September 2nd
 8:30 AM - 9:30 AM
bit.ly/CERN-Coffee_Sept

Hydrology of Ditches in the Hog Hummock Community on Sapelo Island
 Hannah Morris




Uncharted Waters

Recurring "1,000 Year Floods" and the Impact on the Historic District of Ellicott City, MD



Building Community around Shorebird Conservation:

Creation of the Coastal Awareness and Responsible Ecotourism Certification Program

Katie Higgins: Marine Educator, Marine Extension and Georgia Sea Grant
 Abby Sterling: Director, Georgia Bight Shorebird Conservation Initiative




CERN Committees

Steering Committee

- Jackie Jackson, Resilient Chatham County
- Randall Mathews, CEMA
- Jennifer Kline, GDNR Coastal Division
- Kelly Hill, GDNR Coastal Division
- Jill Gambill, Georgia Tech CEAR Hub
- Courtney Reich, Georgia Conservancy
- Shana Jones, UGA/Carl Vinson Institute of Government
- Scott Pippin, UGA/Carl Vinson Institute of Government
- Kevin Smith, Thomas and Hutton

Technical Advisory Committee

- Asia Hernton, MPC/CORE MPO
- Ben Carswell, UGA/Carl Vinson Institute of Government
- Tommy Linstroth, Green Badger
- Kait Morano, Georgia Tech CEAR Hub
- Alan Robertson, Tybee Island/AWR Strategic Consulting
- Kevin Smith, Thomas & Hutton
- Lizann Roberts, Coastal Georgia Indicators Coalition
- Suzanne Cooler, Chatham County Engineering
- Kamiya Clayton, Savannah State University Graduate Student

Coastal Resilience 101

Through case studies and assessments, this course will help participants understand the components of community resilience, be better able to assess their community risks, prioritize, plan for, and implement necessary projects and policies to create and enhance community resilience, both short- and long-term, and serve as a conduit for information to and from constituents and subject matter experts to aid in resilience planning.



LEARNING OBJECTIVES

1. Define **resiliency** and its importance to communities and managing land.
2. Discuss the difference between **shocks and stressors**.
3. Discuss how you **assess and plan for resilience**.
4. Increase resilience by strengthening the **Triple Bottom Line**.
5. Building **partnerships**.
6. Understand a little bit about **resiliency in the Georgia coastal context** because everyone visits, no matter where you live – and we want you to come back!



Image credit: UGA Marine Extension and Georgia Sea Grant



RESILIENCE AND VULNERABILITY

Activity

In your groups, discuss:

- What brings you to this class?
- What does Resilience mean to you?
- How does this apply to your community?
- Discuss an event that has thrown your community for a loop.



Resilience:

the ability to prepare and plan for, absorb, recover from, and more successfully adapt to adverse events.

National Research Council 2012. Disaster Resilience: A National Imperative. Washington, DC: The National Academies Press. <https://doi.org/10.17226/1345>

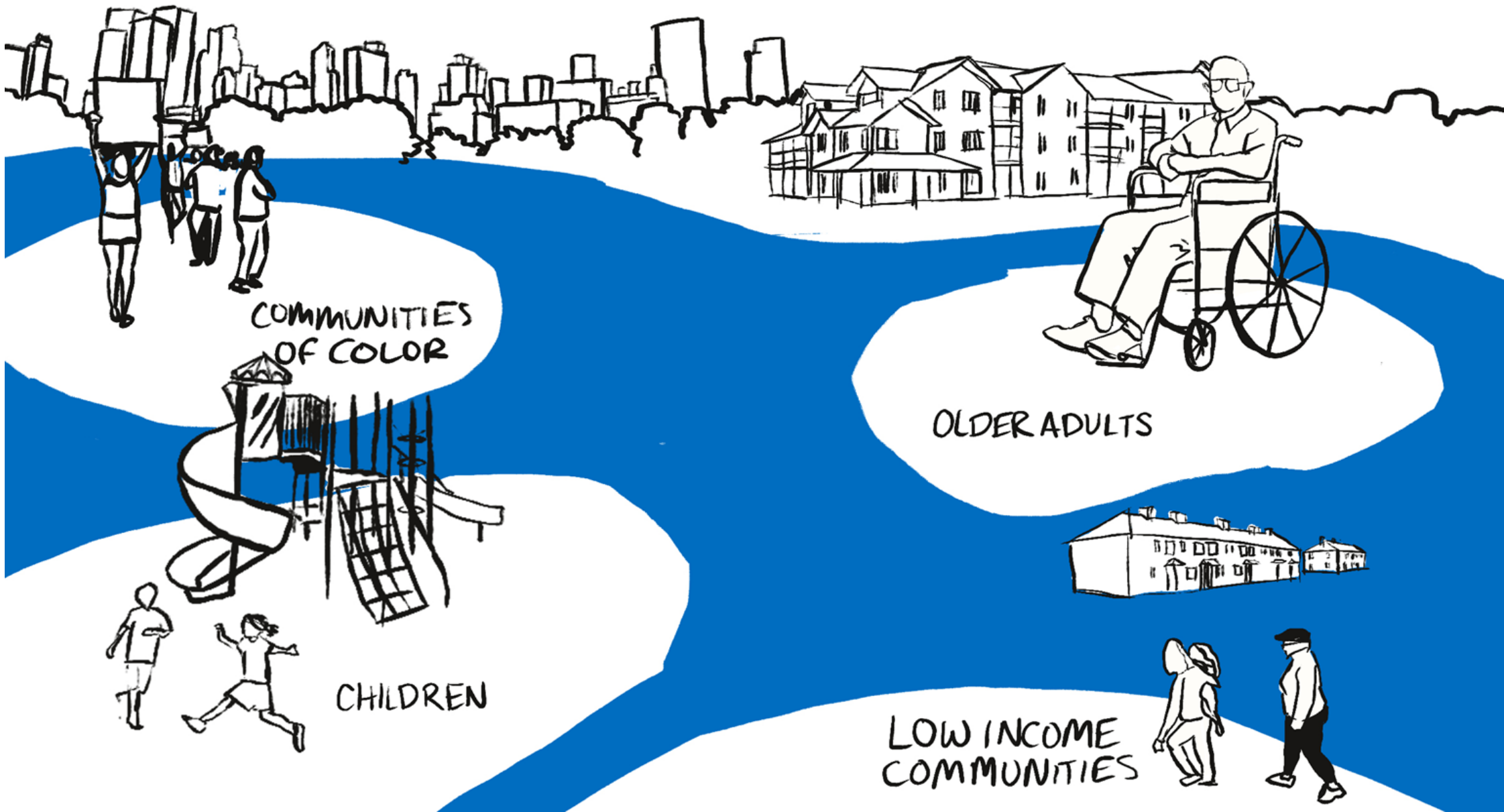
Shocks and Stressors:

Shocks are short-term events or deviations from long-term trends that have substantial negative impacts on people's well-being, assets, safety, livelihoods, and ability to endure future shocks.

Stressors, in contrast, are long-term pressures that undermine the stability of the systems and thereby increase vulnerability within it.

National Academies of Sciences, Engineering, and Medicine 2019. Building and Measuring Community Resilience: Actions for Communities and the Gulf Research Program. Washington, DC: The National Academies Press. <https://doi.org/10.17226/25383>.

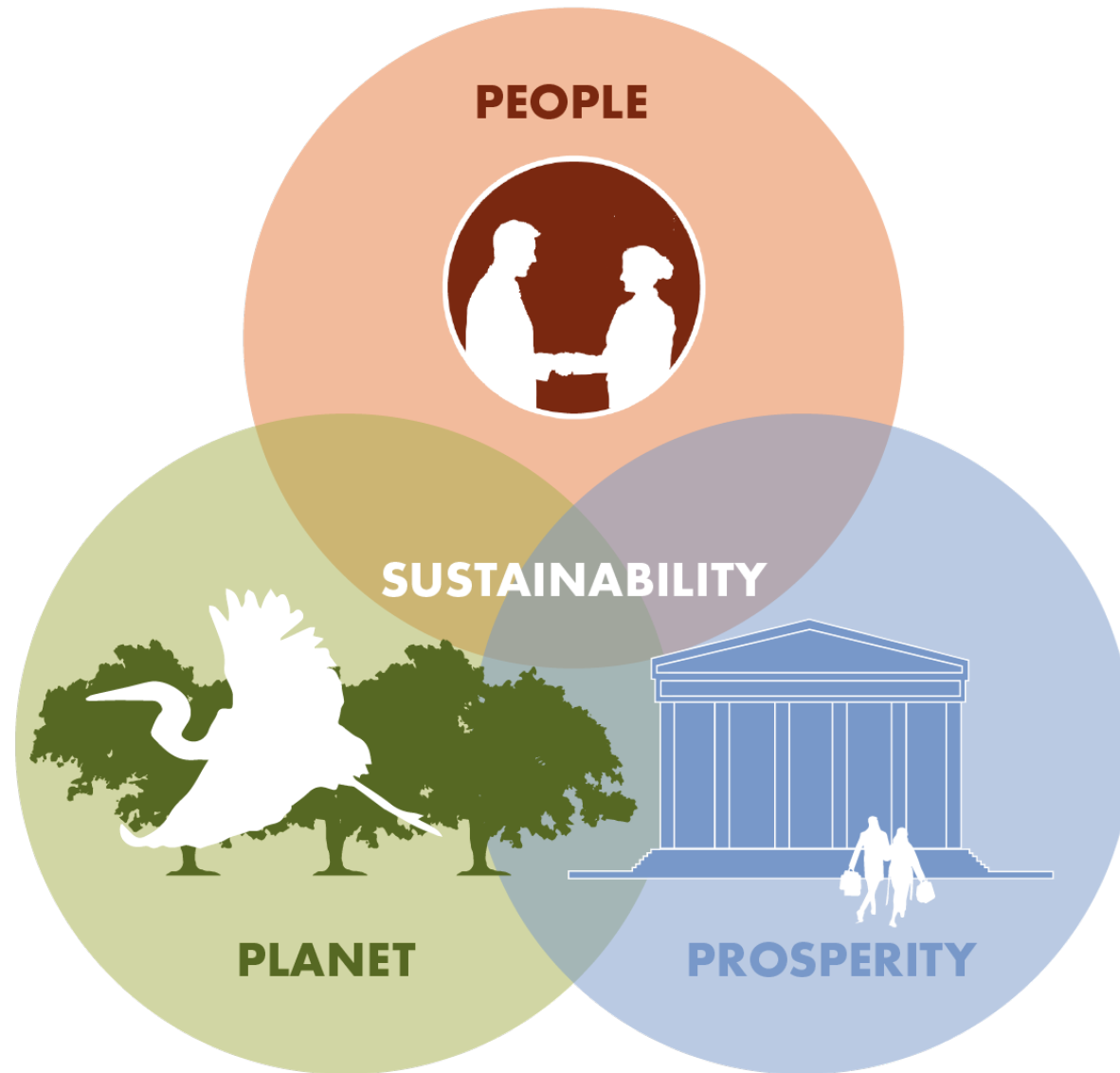
Choularton, R., T. Frankenberger, J. Kurtz, and S. Nelson. 2015. Measuring shocks and stressors as part of resilience measurement. Resilience Measurement Technical Working Group. Technical Series No. 5. Rome: Food Security Information Network. Available at http://www.fsincop.net/fileadmin/user_upload/fsin/docs/resources/FSIN_TechnicalSeries_5.pdf (accessed January 30, 2019).



The Triple Bottom Line

Under this model, the goals are three-fold:

- 1) **people**, or community development;
- 2) **planet**, or environmental sensitivity;
- 3) **profit**, or economic development.

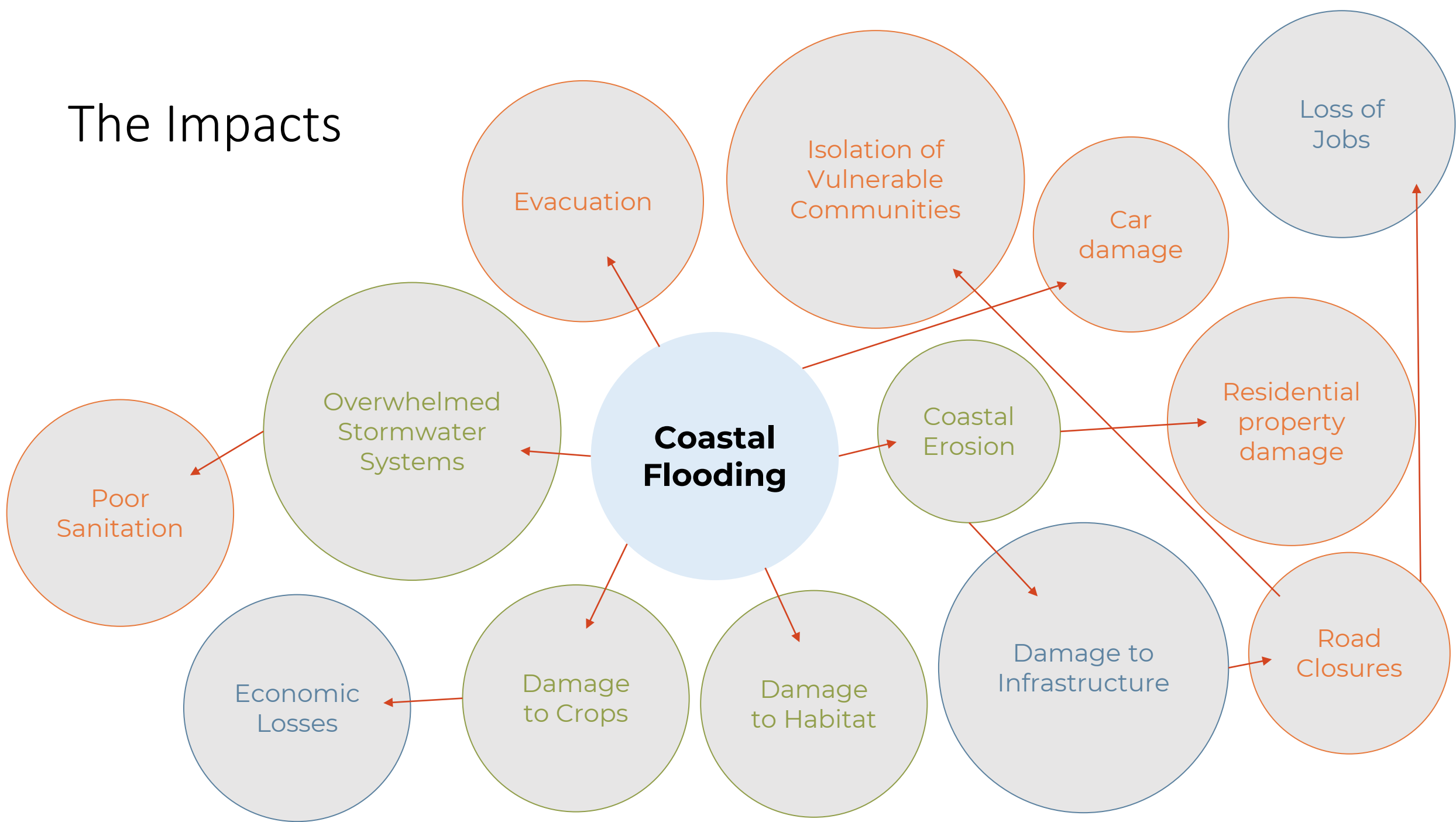


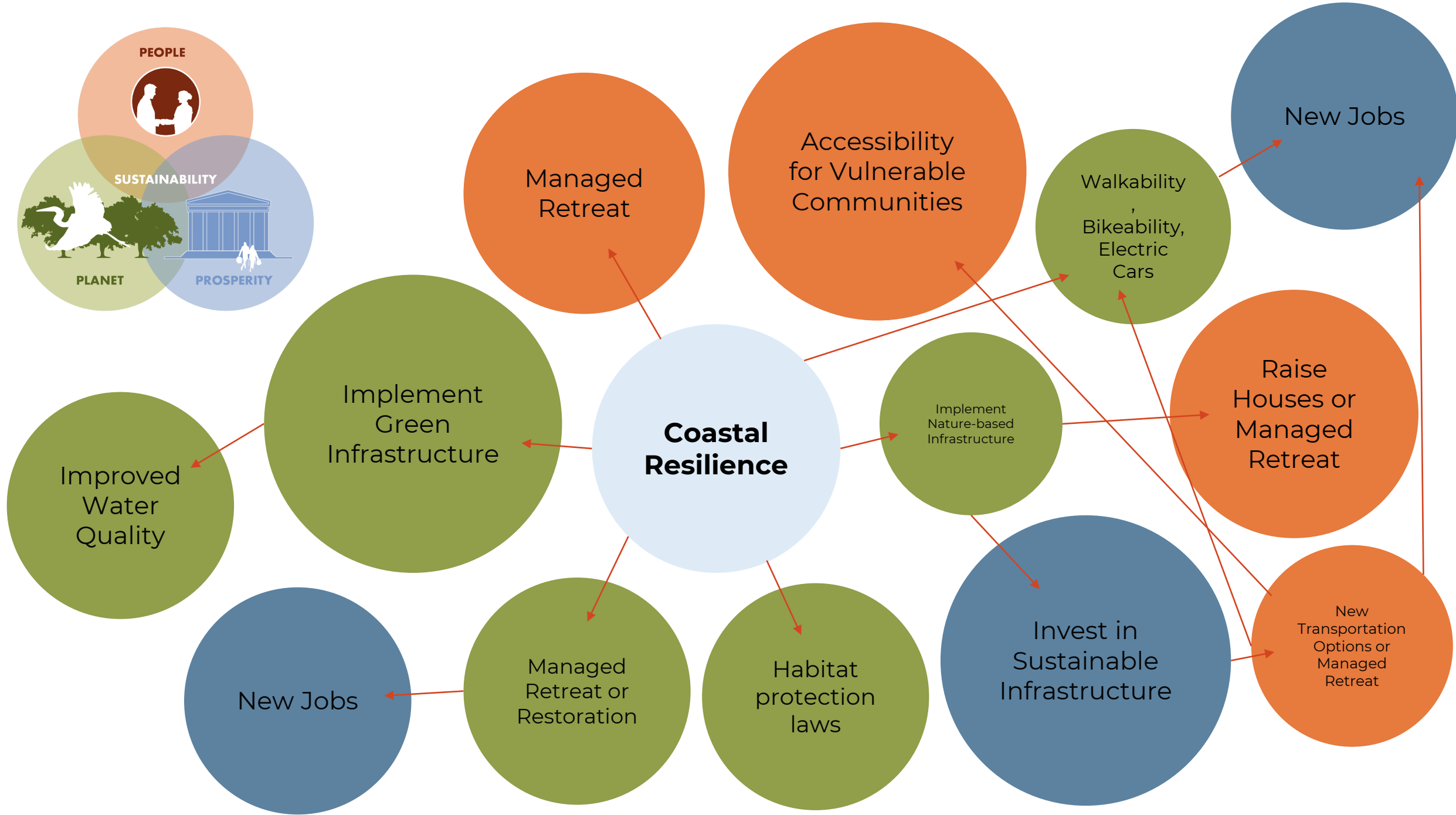
The Problem



**Coastal
Flooding**

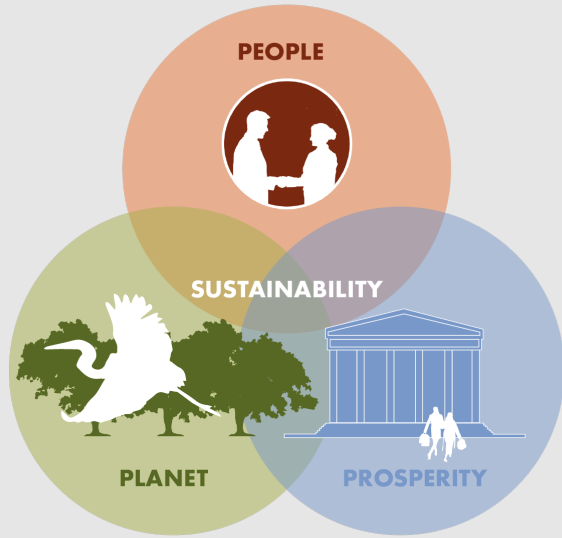
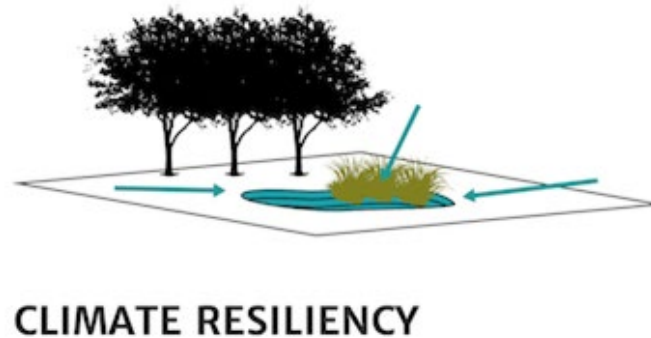
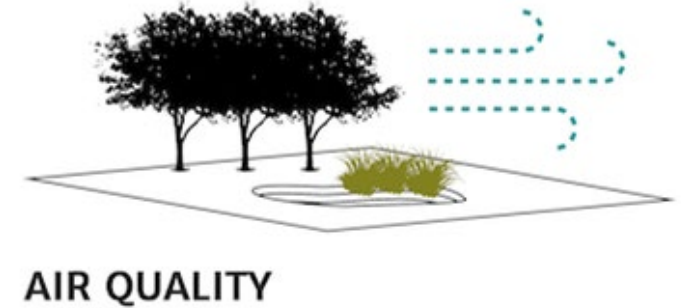
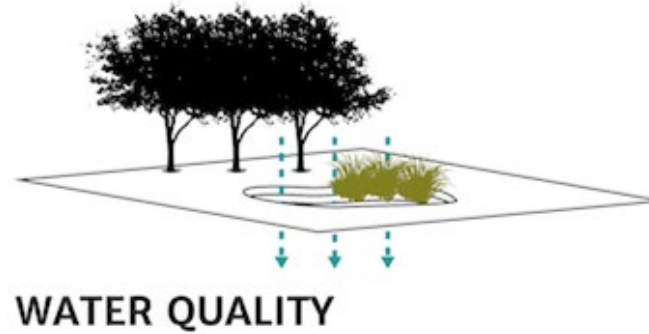
The Impacts





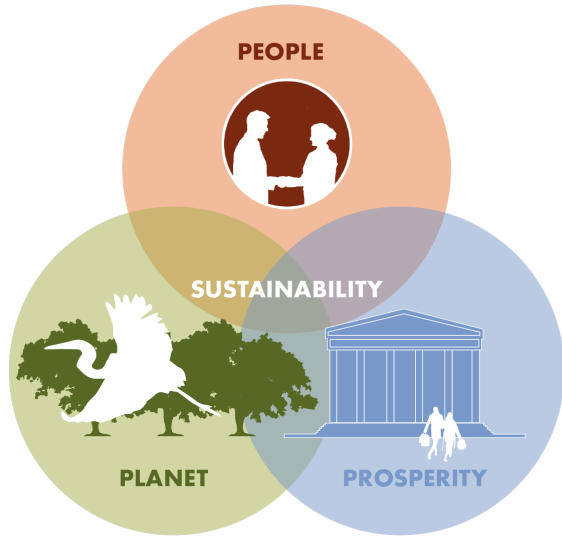
Benefits of Green Infrastructure

Maximize co-benefits of your stormwater systems that are being impacted by flooding.



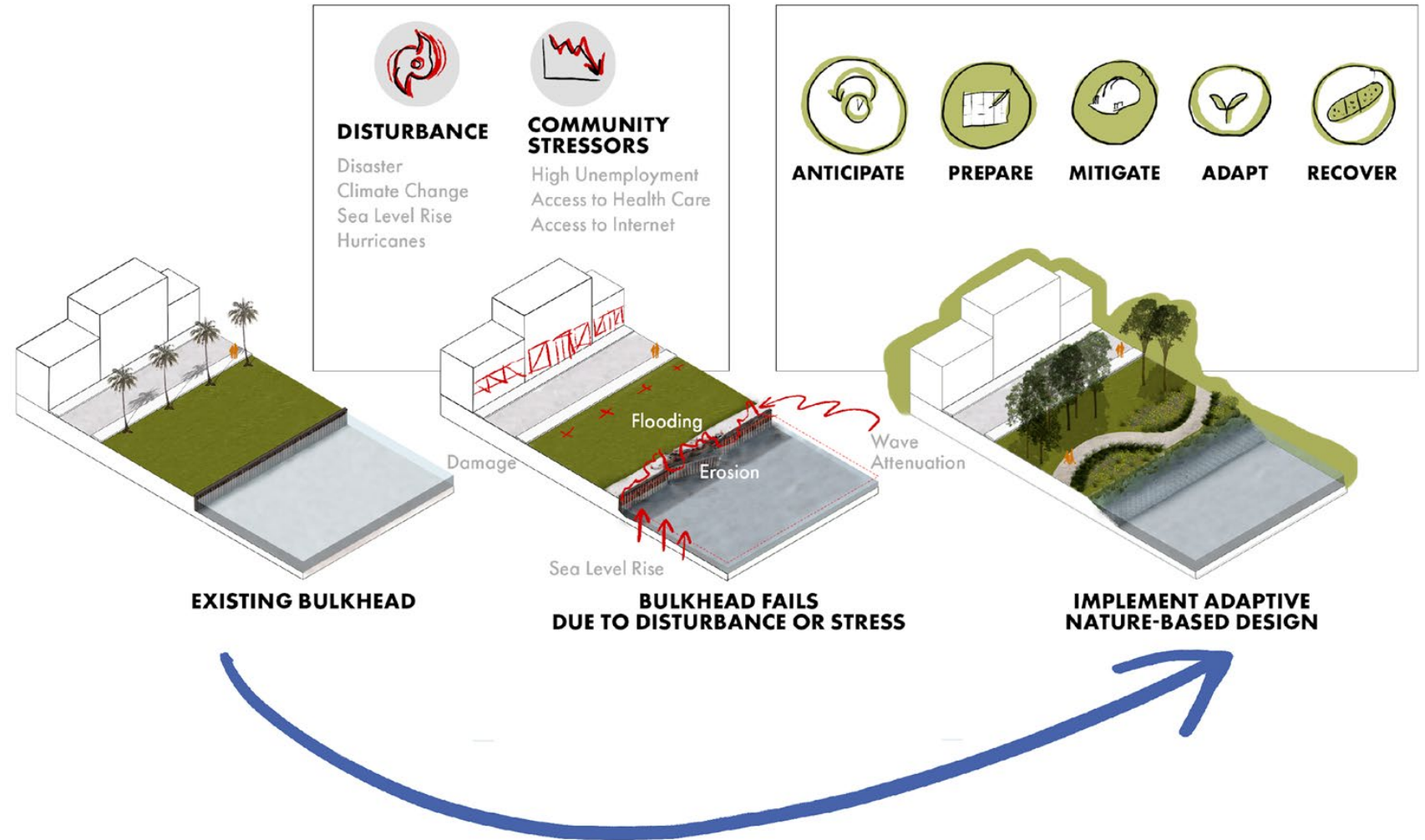
People, Planet, Profit

Image credit: Image designed by Kelsey Broich, Network for Engineering with Nature, University of Georgia. (2021).

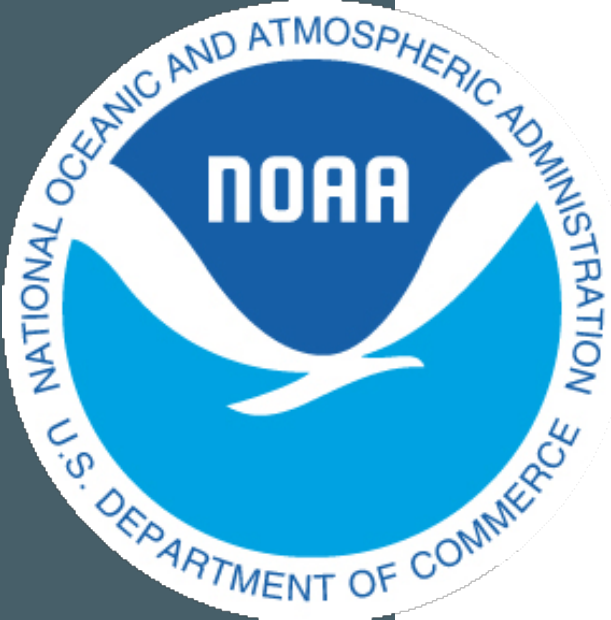


- 1) **people**, or community development;
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- 3) **profit**, or economic development.

RESILIENCE



Acknowledgments



Financial assistance provided by the Coastal Zone Management Act of 1972, as amended, administered by the Office for Coastal Management, National Oceanic and Atmospheric Administration and passed through the Coastal Management Program of the Department of Natural Resources.





Today's Objective:

Revisit the mission, geographic scope, and actionable goals to move CERN into the post-grant era. There will be a specific focus on equity and environmental justice and becoming a self-sustaining organization.

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Round Table Discussions

Round 1

10:00-10:30

- Tables 1-3 will answer the first four questions
- Tables 4-6 will answer the last four questions

Tables that switch places

- 1 and 4
- 2 and 5
- 3 and 6

Round 2

10:30-10:50

- Tables switch to answer the other set of questions.
- What else would you add to previous answers?

Group Report Out

Each table will be assigned 1 or 2 questions to report on with highlights from the discussion.

- 1- Chasity
- 2-Anna
- 3-Jennifer
- 4-Jennifer
- 5-Kelly
- 6-Pamela
- 7-Warren
- 8-Kelly

15 minutes for each table to consolidate answers

5 minutes to report out to the group



Thank you for your
participation and input today!

Stay connected with CERN

Instagram: @cern_mpc

Website: <http://www.coastalempireresilience.org/>

**QR Code for
Exit Survey**

**Partner Organization Meeting Exit
Survey**

