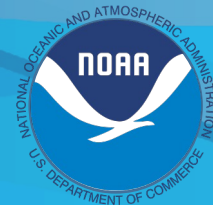


# Inclusive injury assessments and restoration planning in the Gulf of Mexico

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GOMCON  
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# NRDA & DARRP

## Natural Resources Damages Assessment (NRDA)

A **Natural Resource Damage Assessment** is a process to determine the type and amount of restoration needed to offset impacts caused by pollution

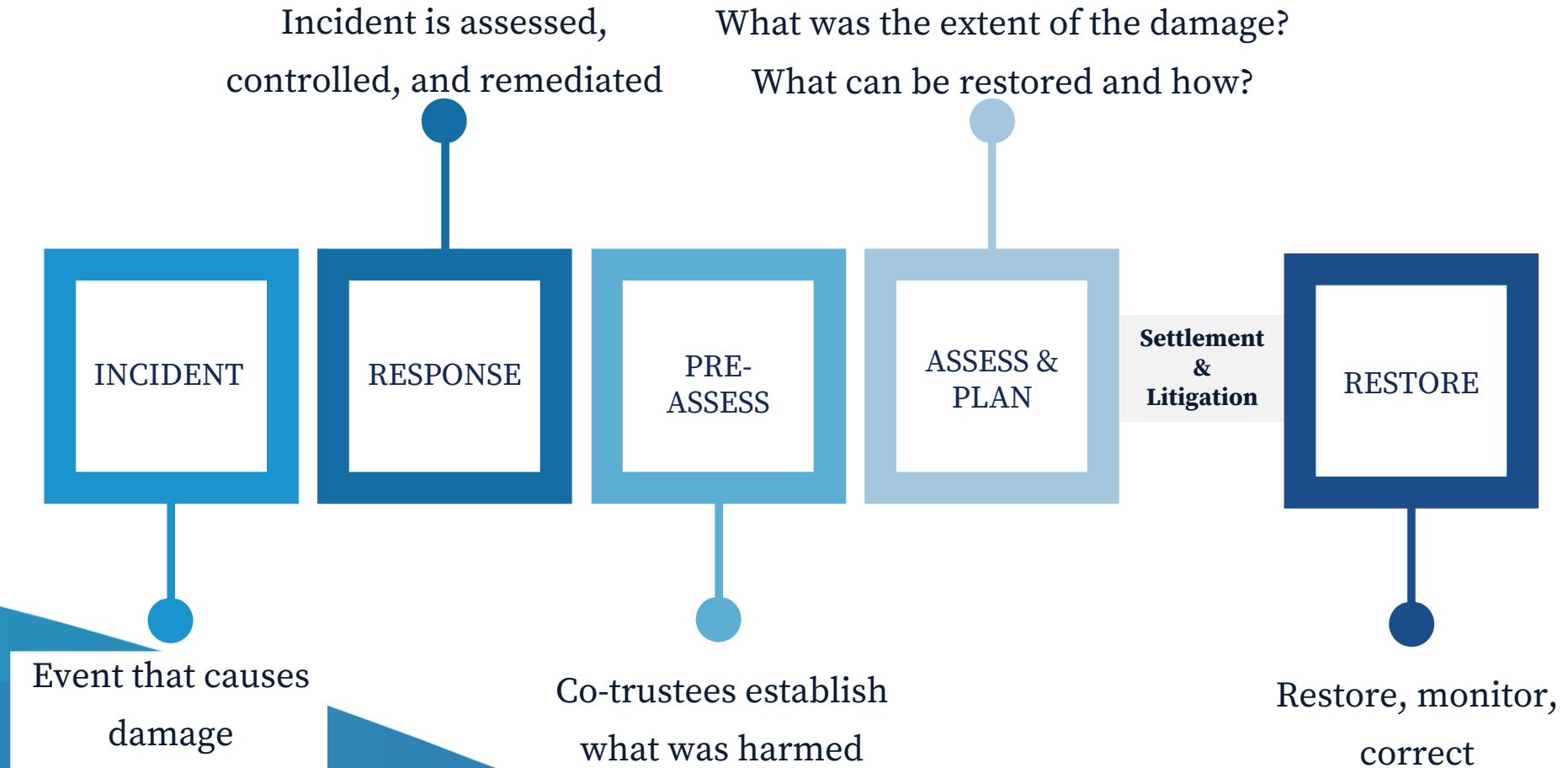
## NOAA's Damage Assessment, Remediation, and Restoration Program (DARRP)

**DARRP** is a NOAA program that uses the NRDA process to evaluate harm after pollution incidents.

DARRP involves:

- Identifying injuries
- Determining extent of the injuries and methods for restoration

# NRDA Process



# The Opportunity...

- ➔ The DARRP program is striving to continuously improve understanding of the full range of impacts to underserved communities associated with incidents and implementing restoration to make the public whole.
- ➔ Shore-based recreational and subsistence fishers (SBR&S) are a key underrepresented group.



ERIC BURNLEY PHOTO



## The Questions...

- ➔ **1. What methods are available to assess SBR&S fishers' lost value based on an incident?**
- ➔ **2. How can those methods be incorporated into the NRDA DARRP process?**

# Q1. What methods are available to assess SBR&S fishers' lost value based on an incident?

## A. Who to engage?

How do you know who is engaging in SBR&S fishing in the impacted area? Who do you talk to and where do you find them?

## B. How to engage?

How do you approach and elicit meaningful information from SBR&S fishers?

## C. What do you ask them?

Need to consider the array of values that SBR&S fishers obtain from this type of fishing activity

# **Q1. What methods are available to assess SBR&S fishers' lost value based on an incident?**

**A. Who to engage?**

**Hardest part:** finding SBR&S fishers to talk to!



# Q1. What methods are available to assess SBR&S fishers' lost value based on an incident?

## A. Who to engage?

**Hardest part:** finding SBR&S fishers to talk to!

### Traditional methods

1. Identify human use loss categories and intercept points with resource managers
2. Intercept fishers at access sites and ask survey questions about forgone trips

### New method options to try and identify SBR&S fishers

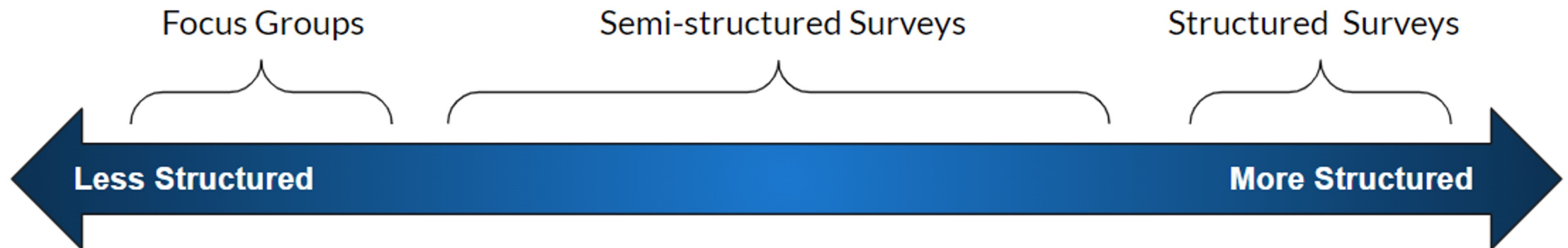
- 1a. Ask resource managers to ID other areas where SBR&S fishers congregate
- 1b. Ask resource managers to ID other key informants to ask about SBR&S fishers
- 2a. Include additional questions about their subsistence fishing, access issues, and restoration needs
- 2b. Include additional questions about other communities who fish in the area (where they live, where they congregate)
3. Engage additional key informants about SBR&S fishers and access issues
4. Review demographic data from EJ SCREEN and other spatial tools to identify vulnerabilities of SBR&S populations ID'd



# Q1. What methods are available to assess SBR&S fishers' lost value based on an incident?

## B. How to engage?

- There is a growing literature about engagement with SBR&S fishers
- Method options: **surveys** and **focus groups**
- Engage with SBR&S fishers to understand:
  - ➡ What they value about SBR&S activities
  - ➡ How they use and access the resources that were impacted
  - ➡ What values they lost through damages



# Q1. What methods are available to assess SBR&S fishers' lost value based on an incident?

## C. What do you ask them about?

### Enjoyment

Of the activity and of being outside in nature

### Sense of community, socializing

Making connections with others who engage in SBR&S activity

### Food/ Nutrition

For themselves, families, friends, community

### Culture and family traditions

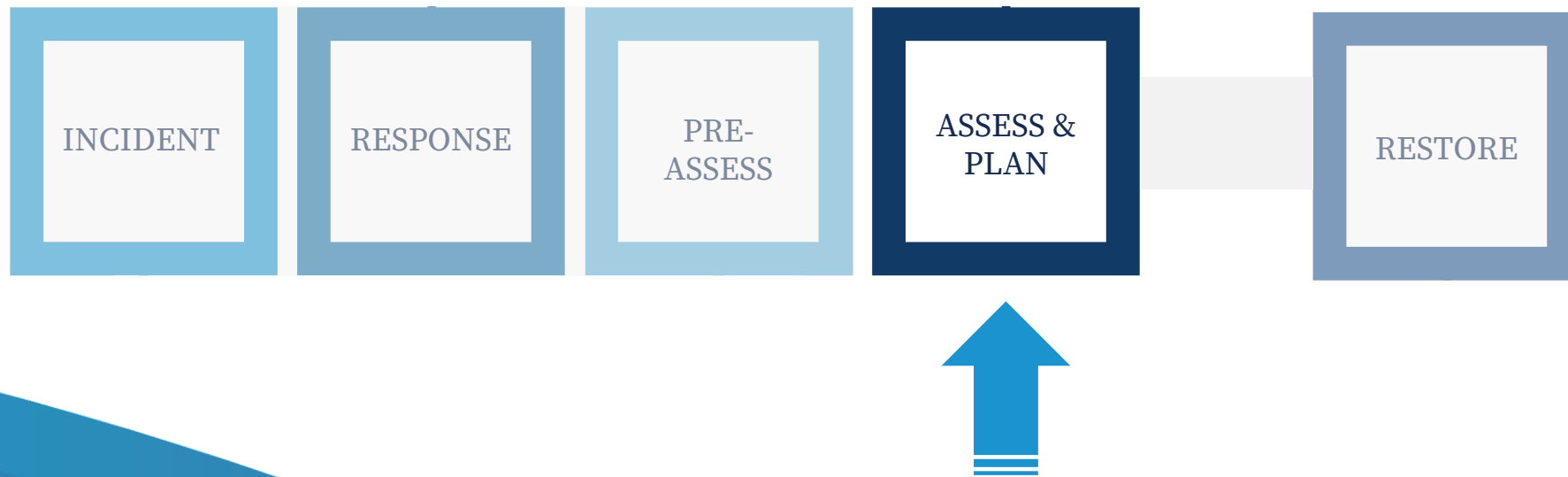
Maintaining a way of life and passing it on

### 'Sense of place'

How you think of your home, the community, and the ways you interact with both

## Q2. How can those methods be incorporated into the NRDA DARRP process?

### NRDA Process



## Q2. How can those methods be incorporated into the NRDA DARRP process?

What would SBR&S engagement change about restoration planning decisions?

Why is incorporation of impacts to SBR&S important?

- Could change where to site restoration to enhance access
- Could change the types/ portfolio of restoration that you choose to install (ramp, oyster reef, access point/ dock)



# Where we're headed...



- Workshops to collect best practices on fisher engagement
- Report summarizing the proposed methods
- Putting together a research plan

# Thank you!

*Questions*

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## The Team

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