

Marine Socio-Ecological Systems Symposium – MSEAS 2024

Tuesday Jun 4, 2024 / 01:35 PM – 01:50 PM



# The cruise control guide

A social-ecological framework to navigate the impacts of cruise tourism on nature and local communities

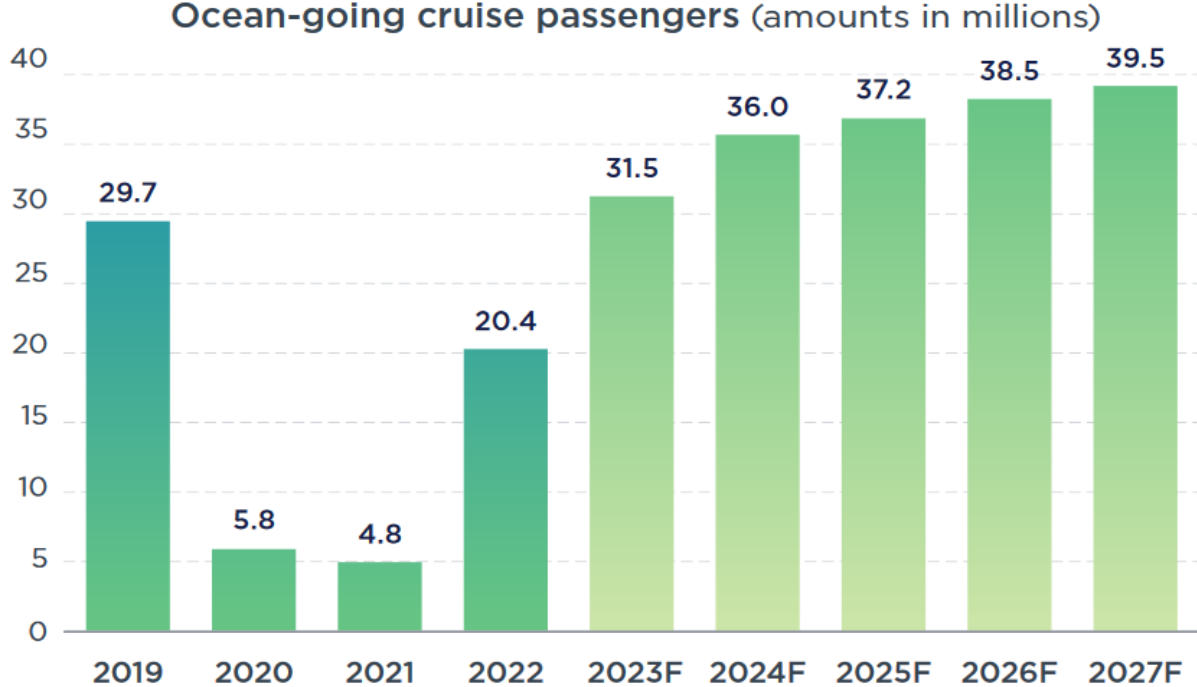
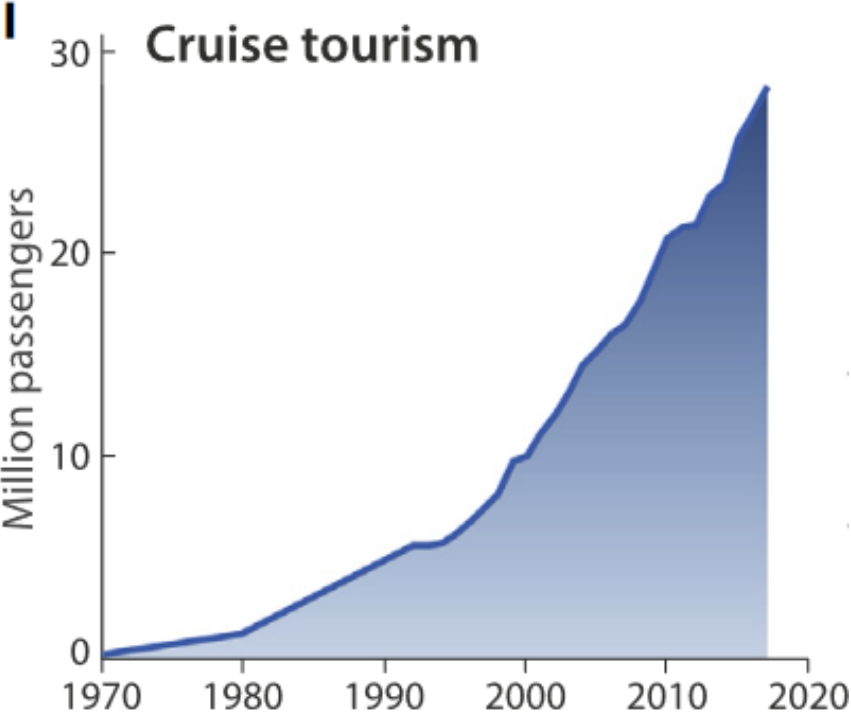


*Flavio Picone, Joachim Claudet*

# Cruise tourism: a fast-growing business

## The Blue Acceleration: The Trajectory of Human Expansion into the Ocean

Jean-Baptiste Jouffray,<sup>1,2,\*</sup> Robert Blasiak,<sup>1</sup> Albert V. Norström,<sup>1</sup> Henrik Österblom,<sup>1</sup> and Magnus Nyström<sup>1</sup>

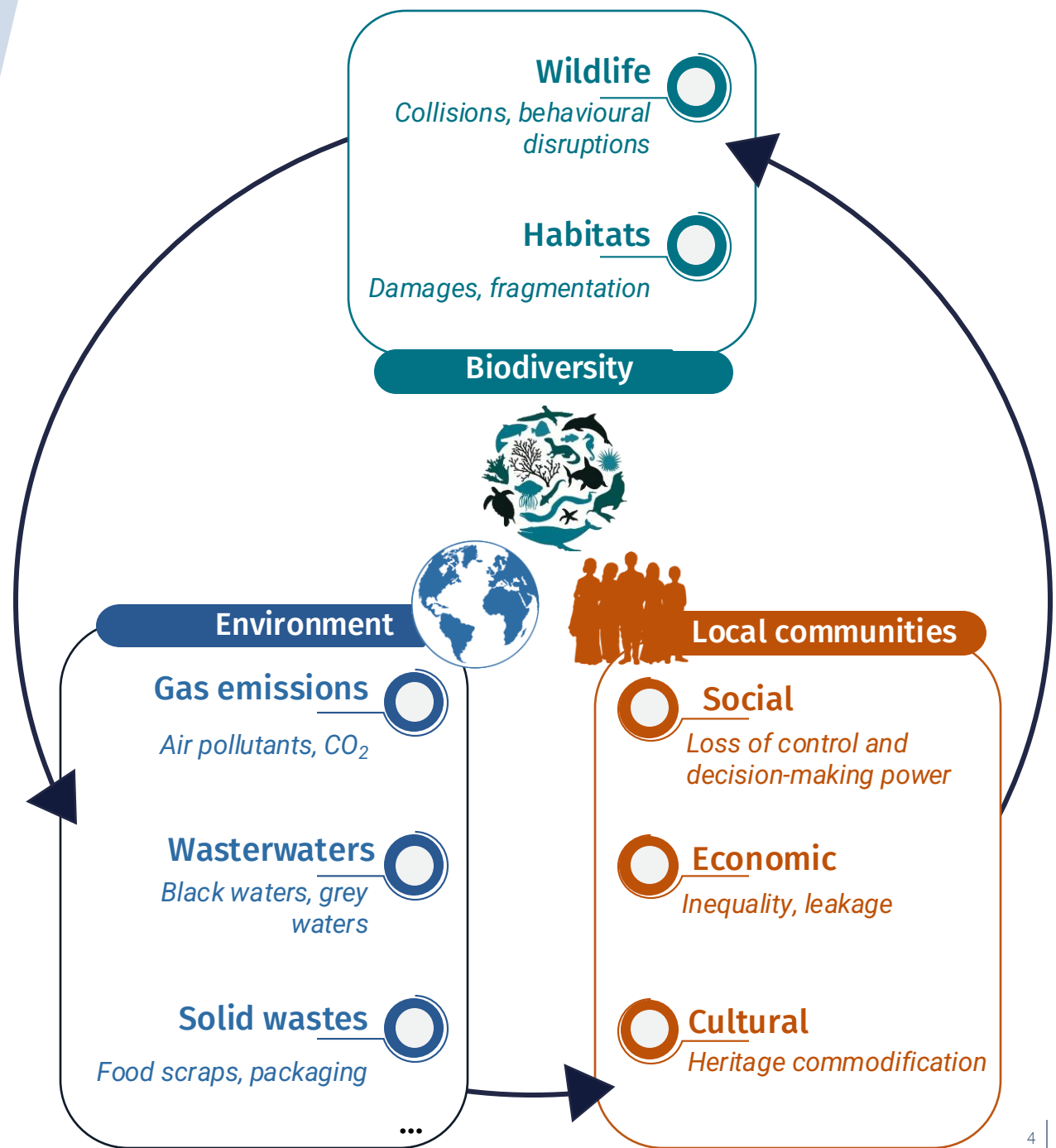


Source: CLIA Passenger Data, 2019 - 2021 and CLIA Cruise Forecast/Tourism Economics (December 2022)

## Expedition cruises: cruising to remote, hard-to-reach places



The cruise sector can have far-reaching impacts on nature and people





## GOAL OF THE PROJECT

**Development of an integrated framework for the assessment of the environmental, economic, and socio-cultural impacts generated by the cruise tourism sector**

- ↳ **DEVELOPMENT OF INDICATORS**
- ↳ **IMPLEMENTATION OF THE FRAMEWORK**
- ↳ **CREATION OF A BASELINE DATABASE**

# Fieldwork

2

**Tasiilaq, Greenland**

Expedition cruise

**Porsangerfjorden, Norway**

Scouting mission

4

French Polynesia

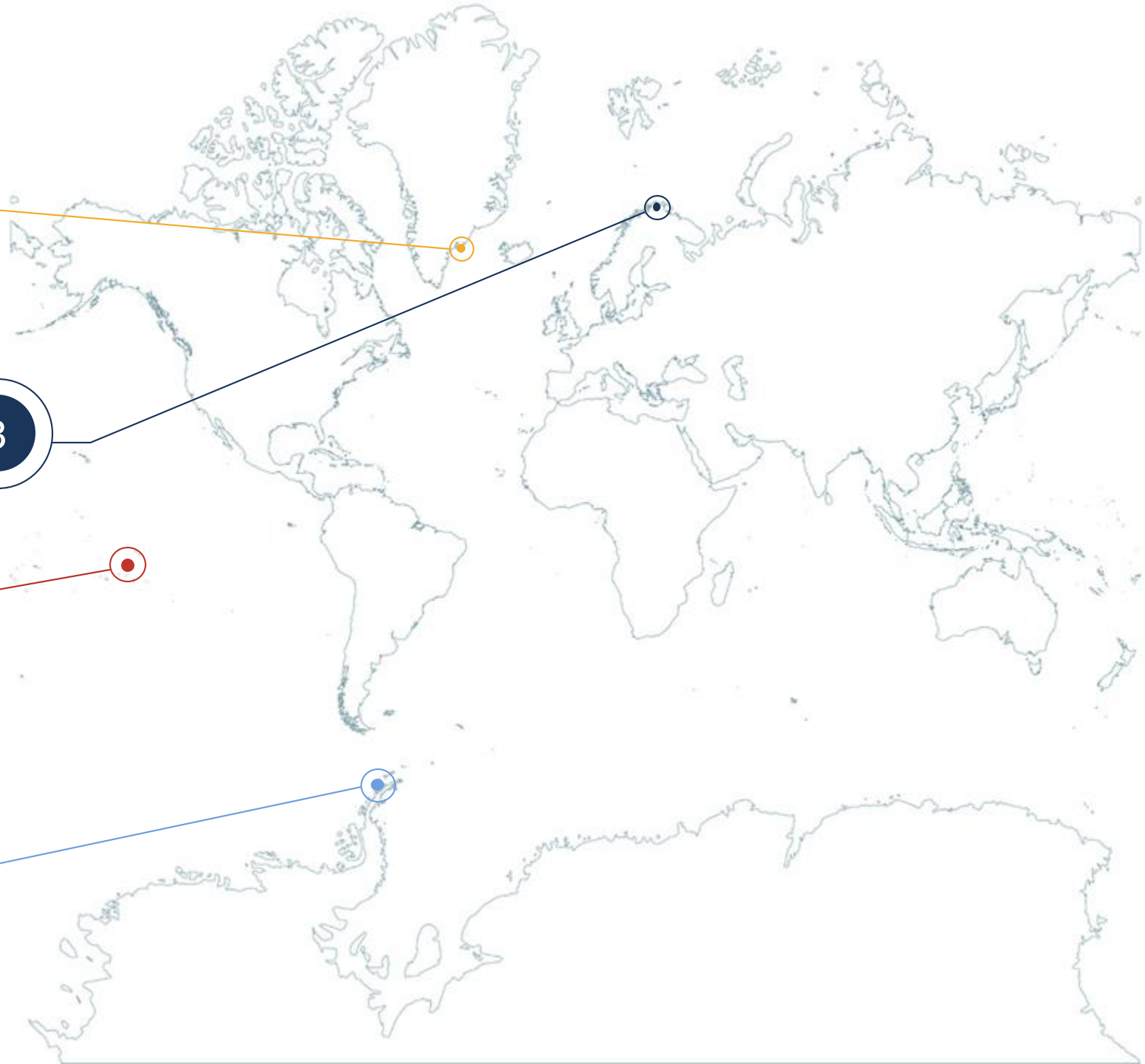
Scouting mission

1

**Antarctic Peninsula**

Expedition cruise

3



1

## Antarctic Peninsula

### Expedition cruise

- Wildlife and seascape watching
- Activities in nature (kayaking, onshore excursions)
- Historical sites



2

## Tasiilaq, East Greenland

### Expedition cruise

- Visiting local communities
- Experiencing the indigenous culture and traditional activities
- Wildlife and seascape watching
- Activities in nature (kayaking, land excursions...)

# Scouting missions

3

## Porsangerfjorden Norway



Collection of environmental, logistics, and social data to create new cruise destinations and itineraries

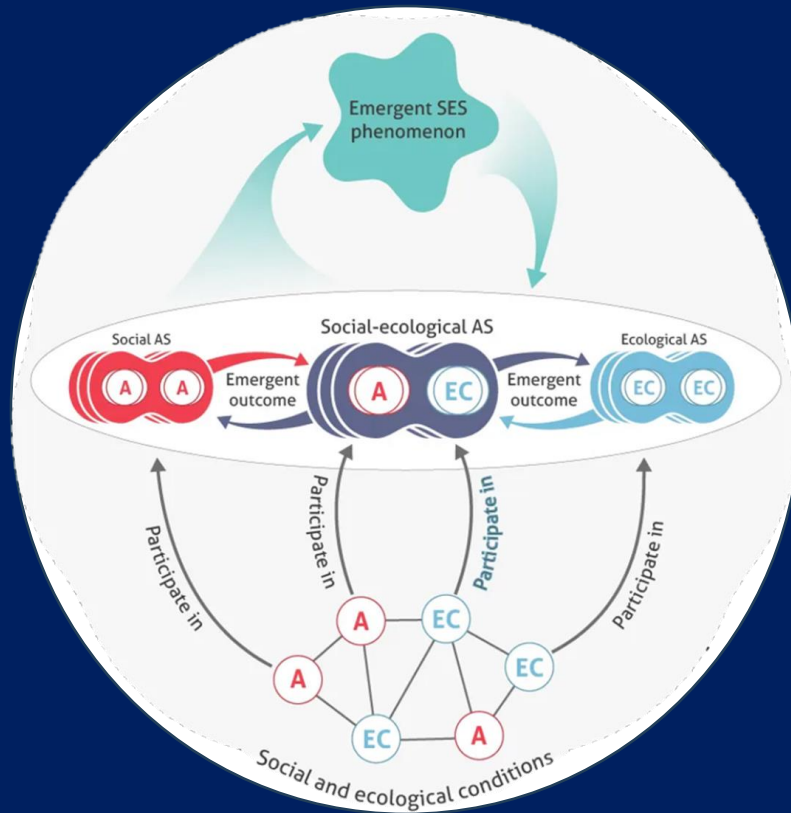


4

## Tuamotu and Marquesas Islands French Polynesia



# Social-Ecological Systems (SES)



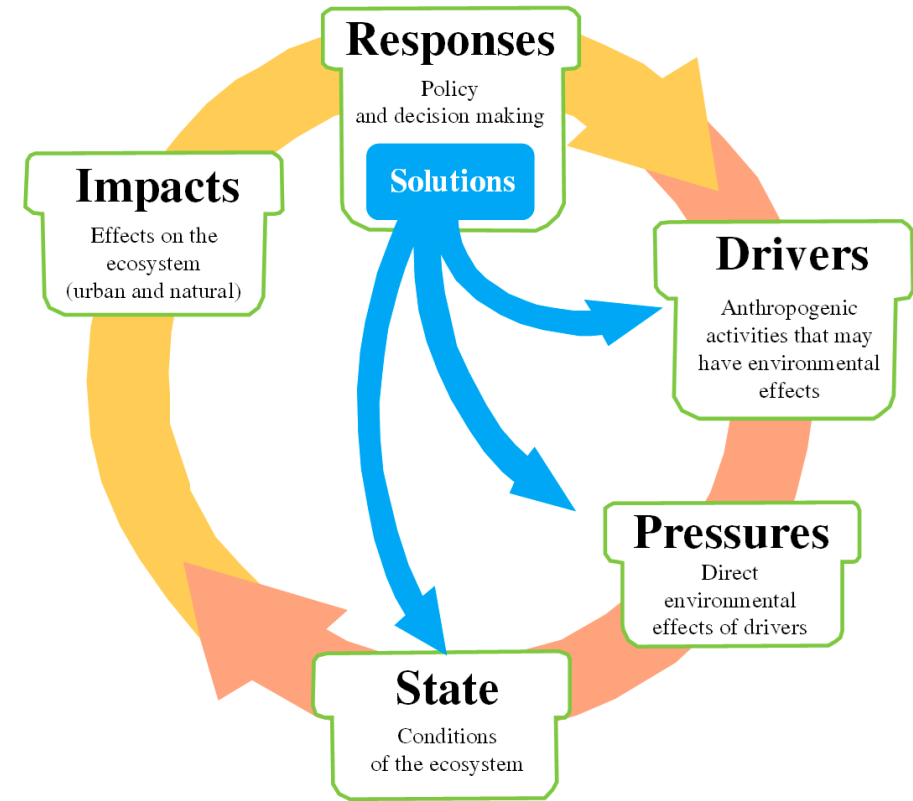
**Capturing emergent phenomena in social-ecological systems: an analytical framework**

*Maja Schlüter<sup>1</sup>, L. Jamila Haider<sup>1</sup>, Steven J. Lade<sup>1,2</sup>, Emilie Lindkvist<sup>1</sup>, Romina Martin<sup>1</sup>, Kirill Orach<sup>1</sup>, Nanda Wijermans<sup>1</sup> and Carl Folke<sup>1,3</sup>*

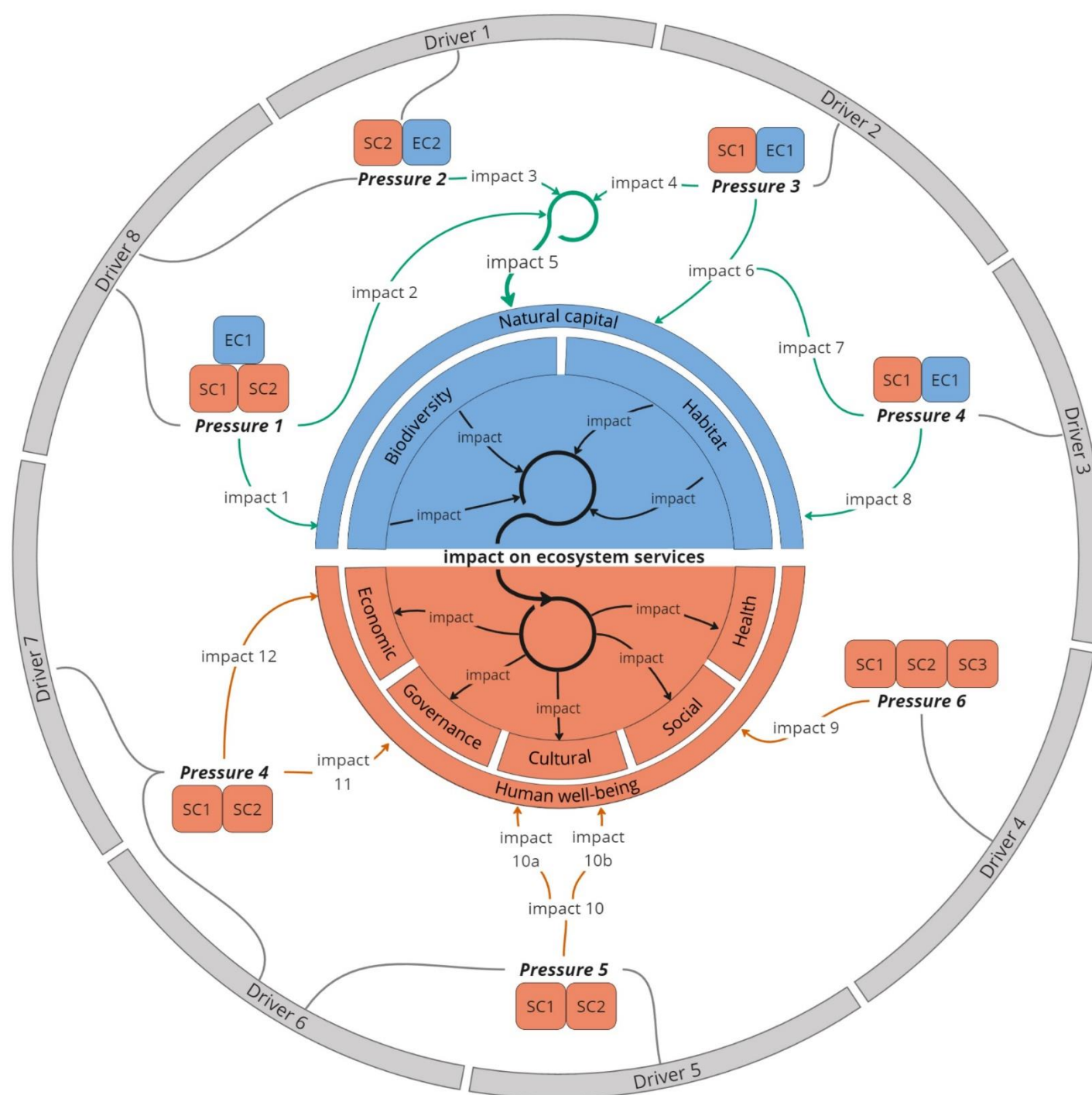
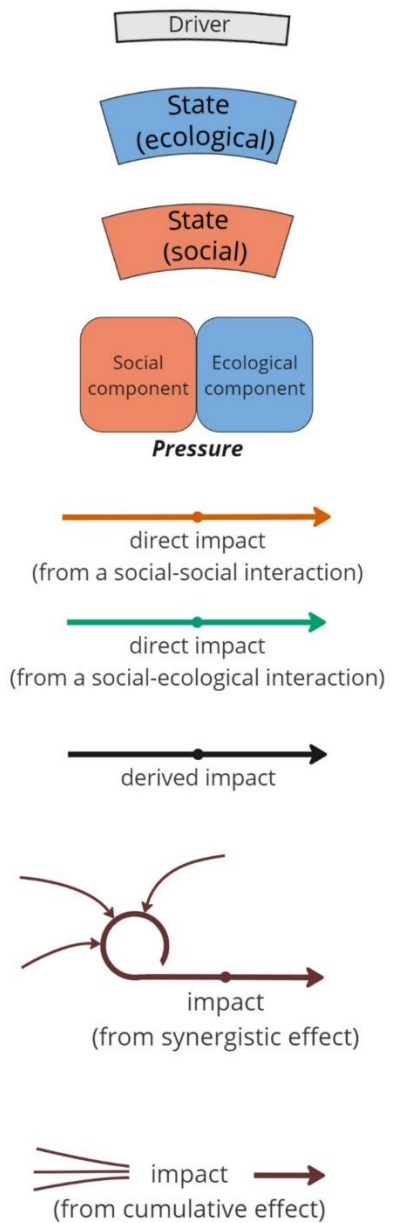
Humans as integral parts of ecosystems

Link between environmental and social dynamics

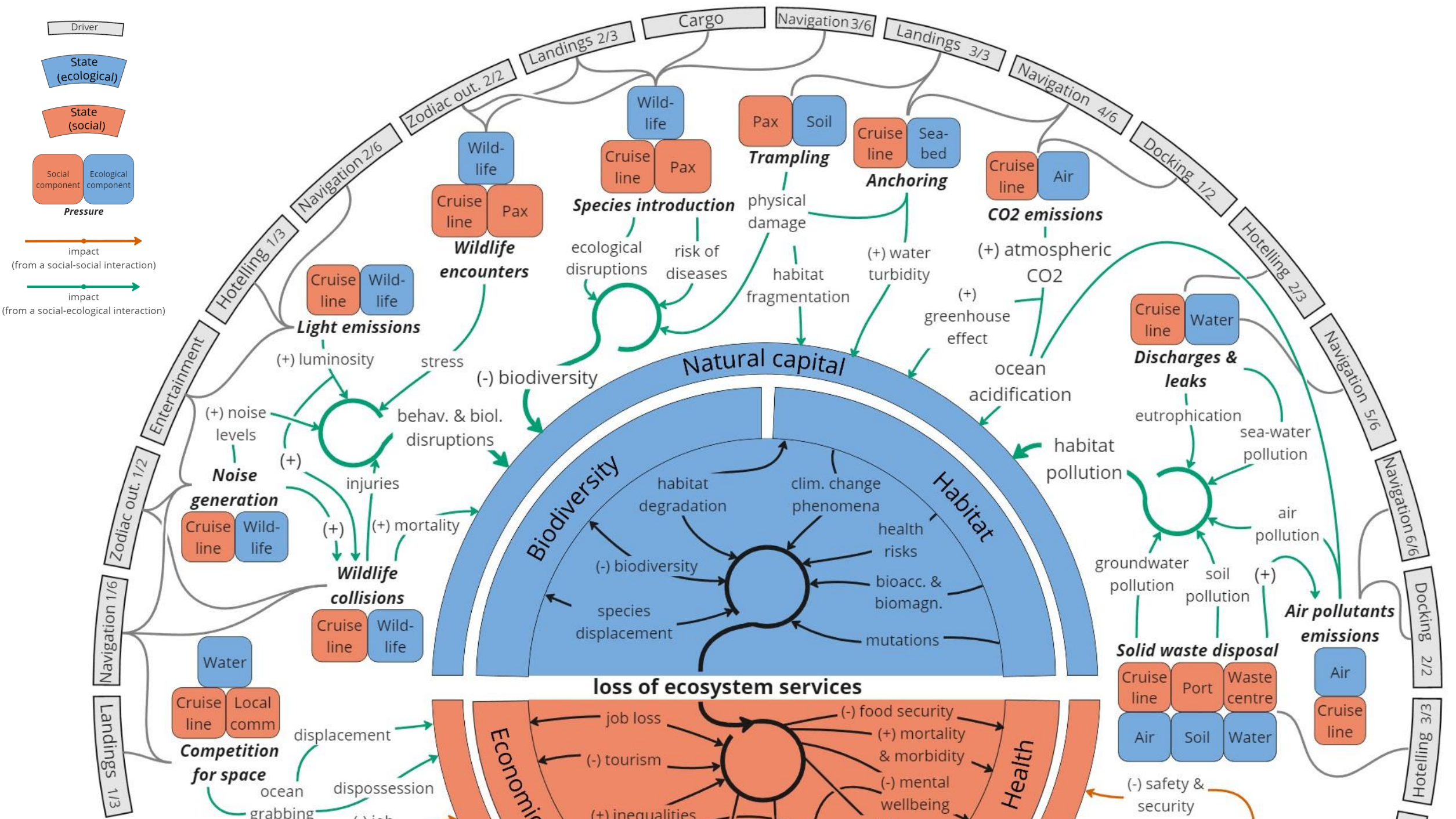
# Driver Pressure State Impact Response (DPSIR)

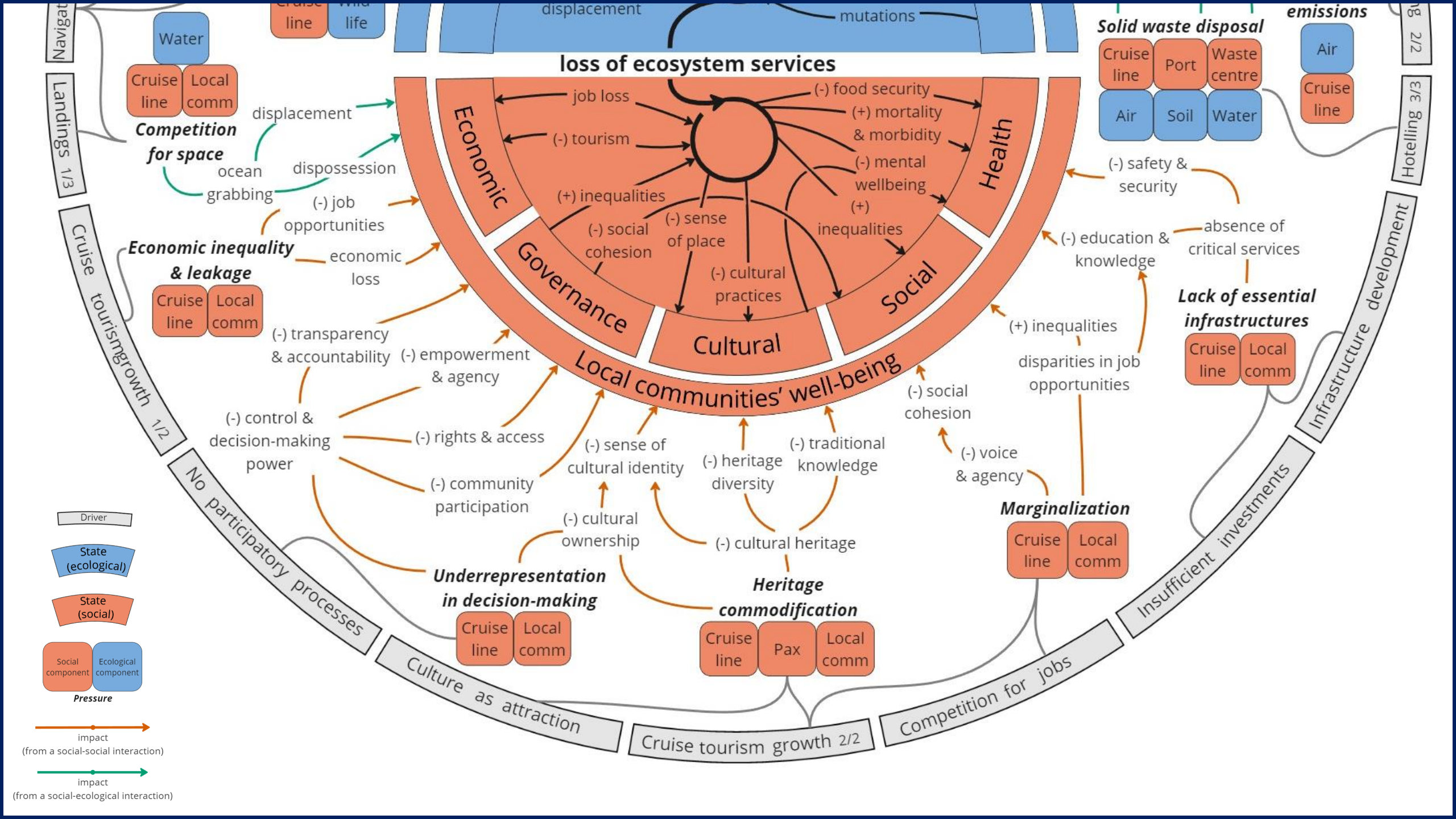


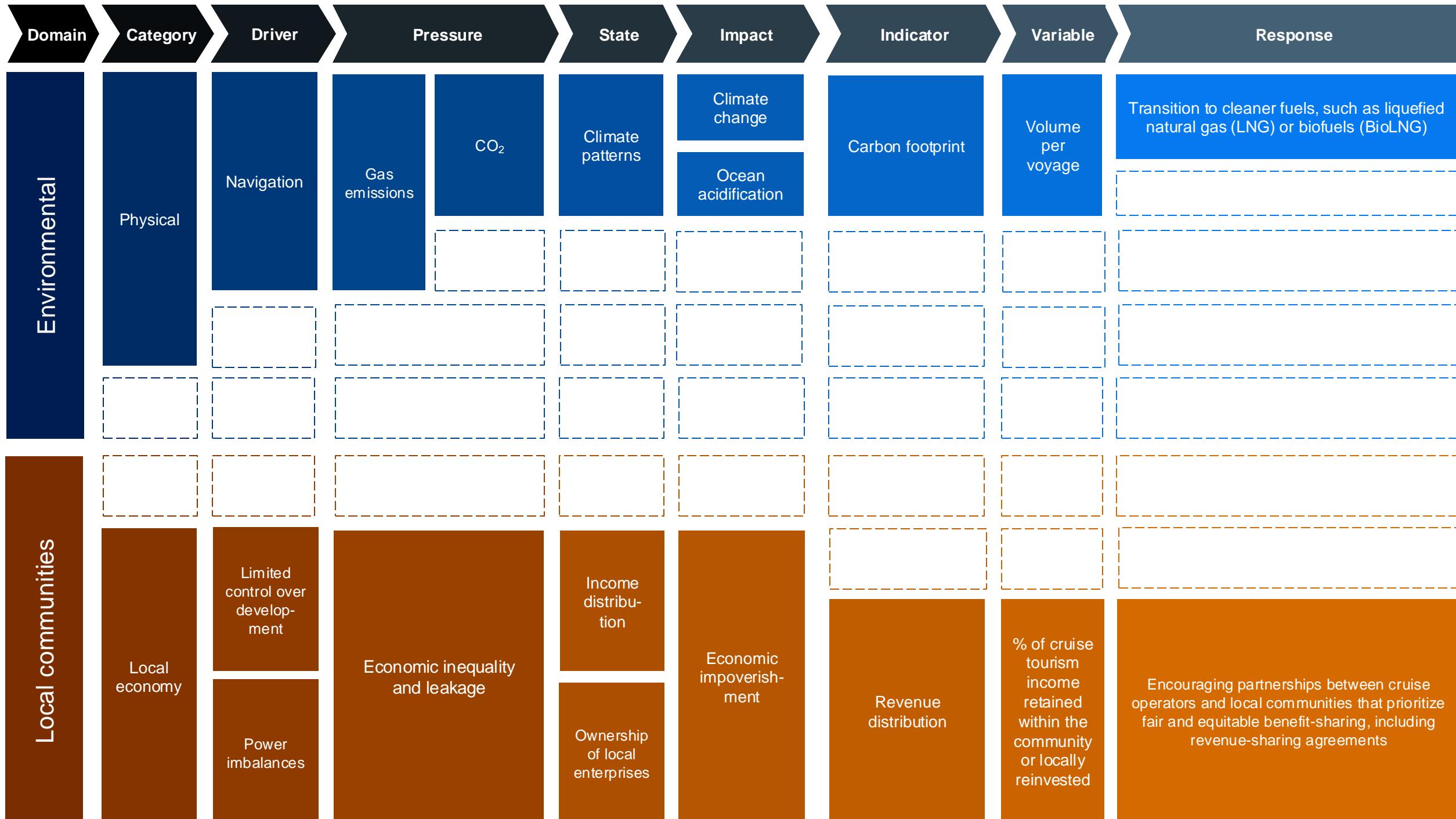
Understand the interactions between human activities, their impacts on environment and society and the potential responses to those impacts

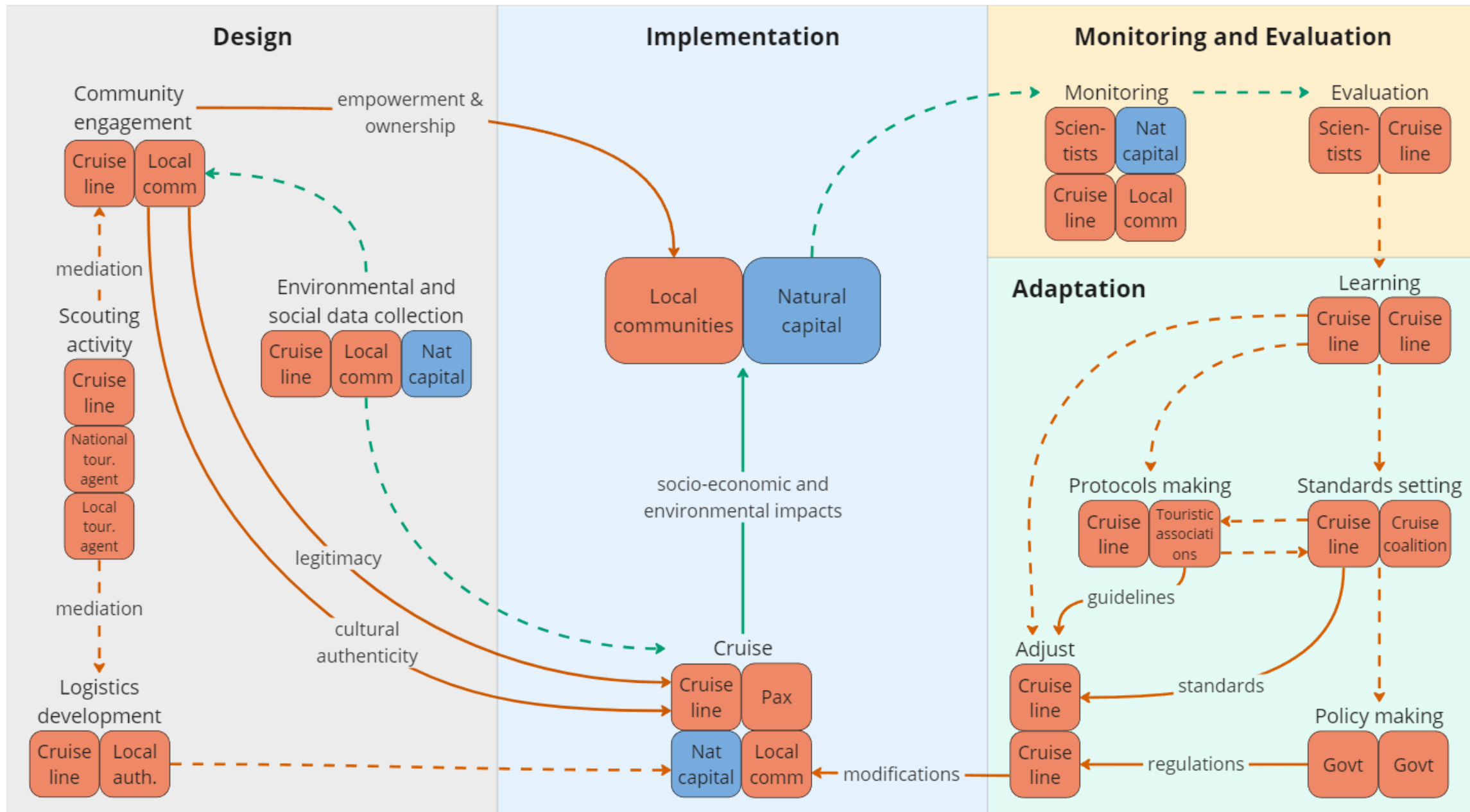












Thank you for  
your attention

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