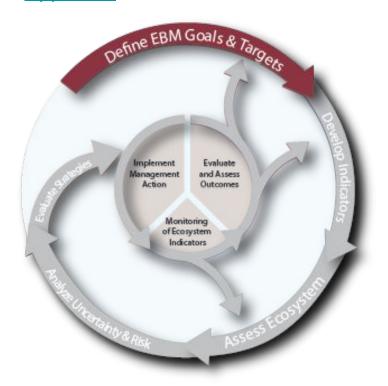
6. Infographics

R³ Training noaa-iea.github.io/r3-train

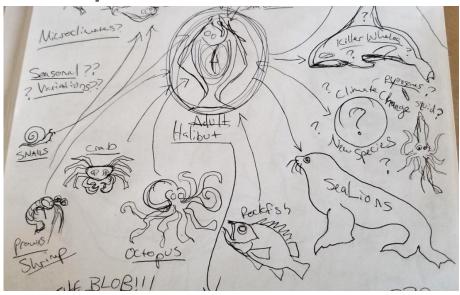
Ben Best 2021-07-26

NOAA Integrated Ecosystem Assessment (IEA)

Approach



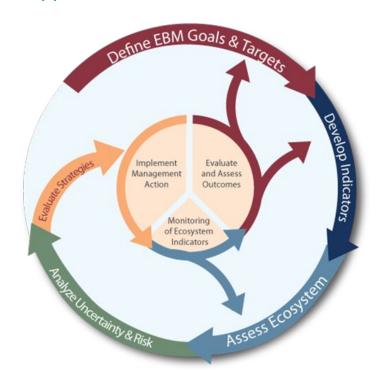
Define the System and Management Goals conceptual model



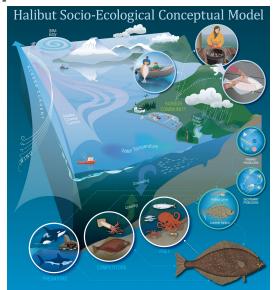
A halibut conceptual model developed during the Ecological Connections section of the workshop. Photo: NOAA IEA. IEA-Booklet.pdf

NOAA Integrated Ecosystem Assessment (IEA)

Approach

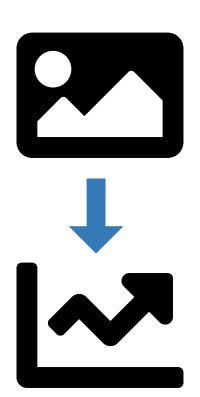


Define the System and Management Goals conceptual model



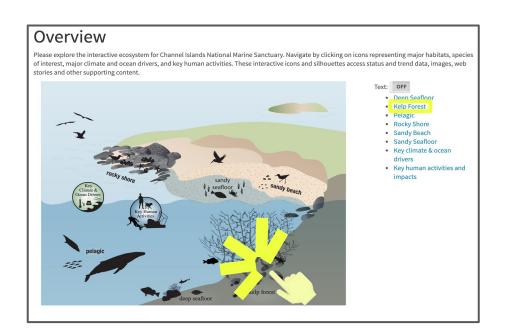
This conceptual model depicts the social and ecological ecosystem around Halibut in the Gulf of Alaska. To learn more about how it was made go here.

How to link conceptual model to indicators?



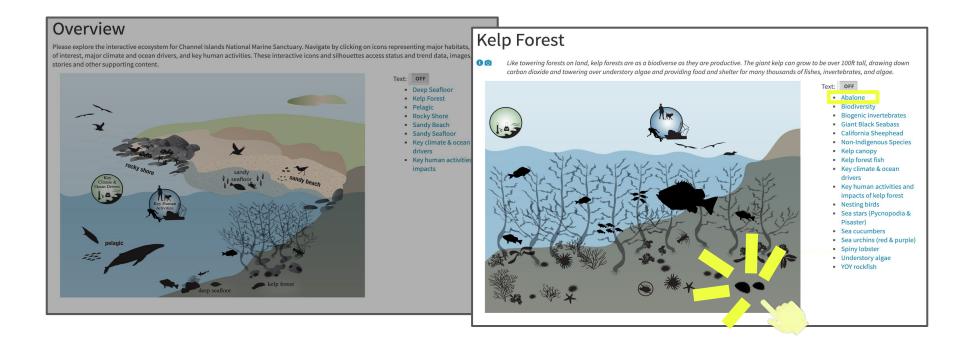
Interactive Infographics

Navigate a *conceptual model* of the ecosystem by clicking an **icon** (or **text** in list)



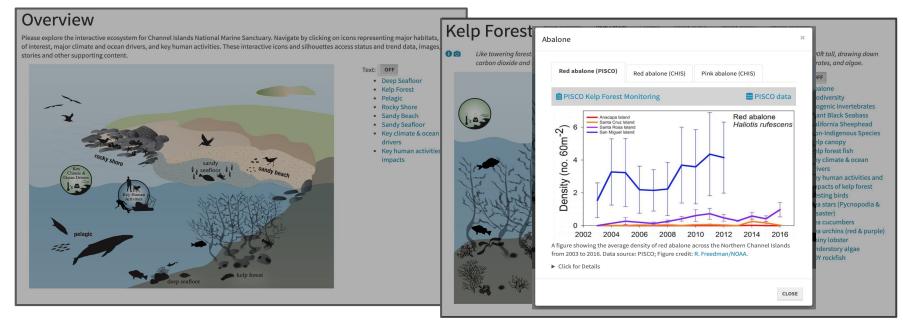
Interactive Infographics

Navigate a *conceptual model* of the ecosystem by clicking on **icon** (or **text** in list) to visit another **webpage** with ecosystem detail, then click on icon (or text)



Interactive Infographics

Navigate a *conceptual model* of the ecosystem by clicking on **icon** (or **text** in list) to visit another **webpage** with ecosystem detail, then click on icon (or text) to pop open a *modal* of data related figure(s)



Interactive infographic website examples

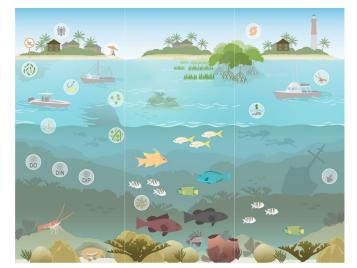
Channel Islands Sanctuary (source)

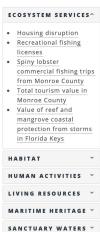




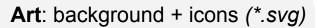
impacts Pelagic Rocky Shore Sandy Beach Sandy Seafloor

Florida Keys IEA (source)





Infograph*iq*: infographics that are intelligent ('*iq*')





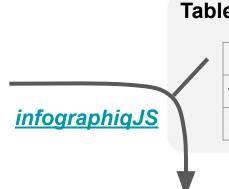


Table: link icons to modals (*.csv)

icon modal

temperature temperature.html
lobster lobster.html

JavaScript libraries used:



D3: tweak SVG: color, links



Bootstrap: modal windows

Modal windows: pages (.*html)

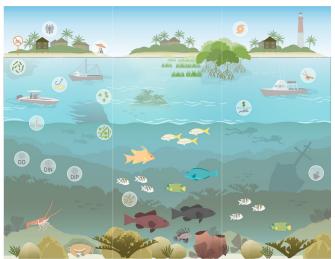
Figure(s)

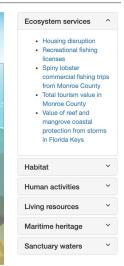


infographiqJS demo

Example of Infographic Functionality





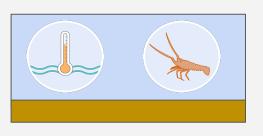


Options:

- Outline color
- Text list type
- Colored section headers
- Explanatory text toggle

Infographiq: broader approach to interactive infographics





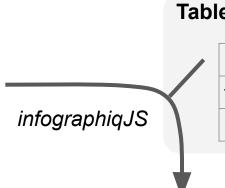


Table: link icons to modals (*.csv)

icon	modal
temperature	temperature.html
lobster	lobster.html

Figure content:

Data (*.csv) e.g. time series

	Year	Count
	2020	25
S	2019	31

OR

Image (*.png) e.g. map



infographiqR, plotJS-extra, onmsR Modal windows: pages (.*html)

Figure(s)



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Lesson