

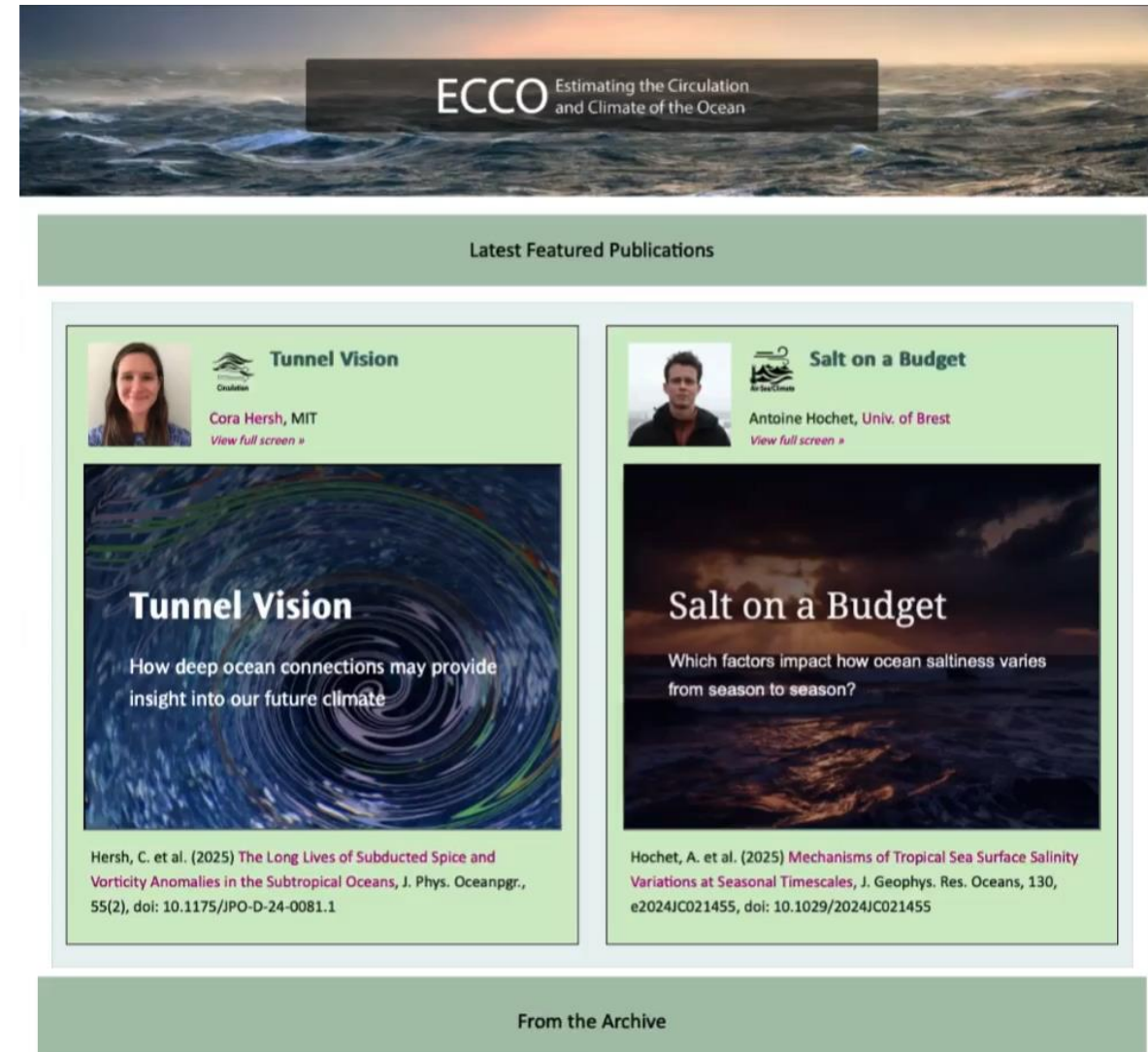
The background of the slide is a full-page photograph of a turbulent ocean under a heavy, overcast sky. The water is dark and textured with white foam from the waves. The sky is filled with grey clouds, with a faint orange glow from the sun visible near the horizon. The text is centered over this image.

ECCO StoryMap Making

Annette deCharon, ODYSEA LLC

Featured Publications

- 39 StoryMaps
 - Easy to embed
 - Look good at various browser widths
- Over 133,000 views
- Can be filtered by topic:
 - *Polar*
 - *Air-Sea/Climate*
 - *Biology/Carbon*
 - *Circulation*
 - *Other*
- Let's see some examples!



The screenshot displays the ECCO (Estimating the Circulation and Climate of the Ocean) website. At the top, a banner features the ECCO logo and the text "Estimating the Circulation and Climate of the Ocean" against a background of ocean waves. Below this, a green header bar reads "Latest Featured Publications". The main content area is divided into two columns. The left column features a publication titled "Tunnel Vision" by Cora Hersh, MIT, with a portrait of her and a "View full screen" link. The article's abstract, "How deep ocean connections may provide insight into our future climate," is shown over a swirling ocean visualization. The right column features "Salt on a Budget" by Antoine Hochet, Univ. of Brest, with his portrait and a "View full screen" link. Its abstract, "Which factors impact how ocean saltness varies from season to season?", is displayed over a sunset ocean image. Both columns include full citation details at the bottom. A final green bar at the bottom of the page is labeled "From the Archive".

ECCO Estimating the Circulation and Climate of the Ocean

Latest Featured Publications

Tunnel Vision
Cora Hersh, MIT
[View full screen »](#)
How deep ocean connections may provide insight into our future climate
Hersh, C. et al. (2025) *The Long Lives of Subducted Spice and Vorticity Anomalies in the Subtropical Oceans*, J. Phys. Oceanogr., 55(2), doi: 10.1175/JPO-D-24-0081.1

Salt on a Budget
Antoine Hochet, Univ. of Brest
[View full screen »](#)
Which factors impact how ocean saltness varies from season to season?
Hochet, A. et al. (2025) *Mechanisms of Tropical Sea Surface Salinity Variations at Seasonal Timescales*, J. Geophys. Res. Oceans, 130, e2024JC021455, doi: 10.1029/2024JC021455

From the Archive

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Featured Publications

- ***A Tale of Two Coastlines***
 - <https://ecco-group.org/storymaps.htm?id=96>
- ***How Does the Ocean Affect Earth's Wobble?***
 - <https://ecco-group.org/storymaps.htm?id=83>
- ***Hidden Upwelling Systems Revealed***
 - <https://ecco-group.org/storymaps.cgi?id=70>
- ***How Low – and Slow – Can Water Go?***
 - <https://ecco-group.org/storymaps.cgi?id=60>

The Story Behind ECCO StoryMaps

- We contact author(s) of papers we think would be a good addition
- Ask for “take home” messages & if there has been any press
- Within a week or so, we ask for specific images and/or data
- We develop background content to provide context for non-experts
- After a couple of weeks, we share a draft StoryMap for feedback
- Iterate the final content over email
- Ask for a photo and contact URL for “Featured Publications” page
- Put it on the ECCO website
 - Including homepage rotator, *What’s New*, and StoryMaps tier

StoryMap Components Overview

✓ Images

- Cannot be copyrighted
- Need sufficient resolution
- May need plotted data as separate files (e.g., for sliders)

✓ Video

- Cannot be copyrighted
- Can use new videos that are not included in paper

✓ Data on interactive globes or maps

- NetCDF format: latitude / longitude / value

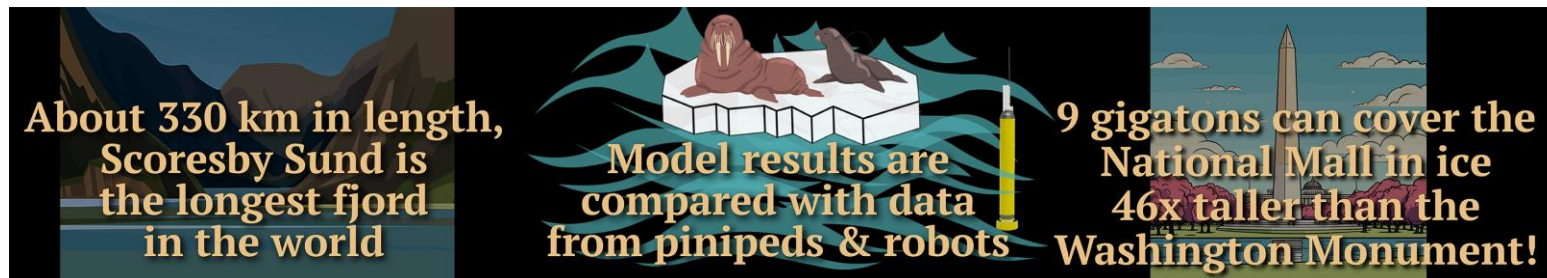
Communicating With Non-Experts (1 of 2)

✓Text

- Use analogies to explain concepts that may be new to readers
- Quotes can add a personal touch

✓Graphics

- People love videos!
- De-construct complicated plots into components
- Replace numeric units with relative description when possible (e.g., *higher, lower*)
- Use color coding mindfully... can check with online tools
- Icons can help readers quickly grasp what they're seeing
- Diagrams and infographics can get a lot of information across efficiently



From "Zooming in on Greenland's Ice Loss" based on Mike Wood's 2024 paper

Communicating With Non-Experts (2 of 2)

✓ Interactivity

- Is appreciated by users
- Simpler is better... sliders are nice because they are easy to operate / understand

✓ Data

- Provide both metric and English units
- Relate units to things people may be familiar with (e.g., 300 m is around the height of the Eiffel Tower)

✓ Science is Serious

- Make sure to include the societal relevance of your work
- Try to add a bit of fun to make it more ***memorable***





Any Questions?

Hopefully, we've piqued your interest in contributing to future ECCO
“Featured Publications”!

<https://ecco-group.org/publications-featured.htm>