From shiny balls to educating in formal and informal settings

Going Beyond the Default
how do we CREATE the tools that promote data literacy?
Today
11am (Formal Ed)
1-3pm (Content)
NOAA View THEN

NOAA View NOW

Chlorophyll concentration (mg/m³)

0 0.66 30

Database

Monitor with tools
Alignment of content between SOS and classroom curriculum

NGSS aligned

Works on any display device

Received highest evaluation in NOAA from the Climate Literacy Education Action Network
Data in the Classroom

Understanding El Niño Using Data in the Classroom

Relation SST to Productivity

- Question 1: Which SST map might indicate a disruption in upwelling?
  - Check my answer
- Question 2: Which chlorophyll concentration map might indicate a disruption in upwelling?
  - Check my answer

Teaching Resources

El Niño
- People listen to El Niño for predictions of abnormal weather. But how does El Niño really work?
- Sea Level
- Coral Bleaching
- Water Quality
- Ocean Acidification

In Earth Science
- Using the Technology
- Pedagogical Approach
- Community and Service

dataintheclassroom.noaa.gov
Tips and Tricks
Photoshop and AfterEffects
Simplifying data imagery
Choosing the right color palette
Annotate and animate
Downloading from NOAA and NASA

1pm Classroom #1
SOS rapid
Skip the download – harvest services
Create global to local datasets in under 10 minutes

Publish the new data imagery and build your own apps
Thanks Nate!

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