THE GLOBE PROGRAM

The ENSO Student Research Campaign

Telling Your Story

Webinar 4: December 6, 2016

Brian Campbell, ENSO Campaign Lead

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STORY!

sto·ry[1]

/ˈstôrē/

noun

noun: **story**; plural noun: **stories**

1. an account of imaginary or real people and events told for entertainment.
   "an adventure story"
   synonyms: tale, narrative, account, anecdote; More
   - a plot or story line.
     "the novel has a good story"
     synonyms: plot, storyline, scenario, libretto
     "the novel has a good story"
   - a report of an item of news in a newspaper, magazine, or news broadcast.
     "stories in the local papers"
     synonyms: news item, news report, article, feature, piece
     "the story appeared in the papers"
   - a piece of gossip; a rumor.
     "there have been lots of stories going around, as you can imagine"
     synonyms: rumor, piece of gossip, whisper; speculation
     "there have been a lot of stories going around"
   - *informal*
     a false statement or explanation; a lie.
     "Ellie never told stories —she had always believed in the truth"
2. an account of past events in someone's life or in the evolution of something.
   "the story of modern farming"
   - a particular person's representation of the facts of a matter, especially as given in self-defense.
     "during police interviews, Harper changed his story"
     synonyms: testimony, statement, report, account, version
     "Harper changed his story"
   - a situation viewed in terms of the information known about it or its similarity to another.
     "having such information is useful, but it is not the whole story"

Origin

Middle English (denoting a historical account or representation): shortening of Anglo-Norman French *estorie*, from Latin *historia* (see history).

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All These Pictures Have Stories

But, nobody will know the stories unless they are told!

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How Can Tell a Story?

- Everybody has a story to tell!
- Our goal for this is to have GLOBE participants tell us a story about how ENSO is affecting their local environments, so that we all can understand global implications of the ENSO phenomenon.
- How do I do this:
  - Through GLOBE data analysis. Do you see trends? Patterns? Anomalies?
  - Present your finding at local and national events
  - Develop a story to share via the ENSO Campaign's partners at The H2yOu Project and the Smart Basins Story Maps
- Storytelling can help me "Take Data to the Next Level!"
- Storytelling and Collaborating go hand-in-hand!

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Story Tellers:

ENSO: Japanese character that means circle. Absolute symbolizes enlightenment, fortune, elegance and creativity.

How Does El Niño Affect Us?

- We want to invite you to investigate more about what happens with El Niño in your region and to tell a story about it
- The stories can be amazing educational tools because they connect with the student, involve the use of metaphors and are emotionally significant
- To start, you can make a list of events,
  - Determine the lead characters for your story.
  - Decide how the characters relate to the facts of El Niño.
  - Use all your creativity!

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What is AGU?

- American Geophysical Union
  - The purpose of the American Geophysical Union is to promote discovery!

Core Principles

As an organization, AGU holds a set of guiding core values:

- The scientific method
- The generation and dissemination of scientific knowledge
- Open exchange of ideas and information
- Diversity of backgrounds, scientific ideas and approaches
- Benefit of science for a sustainable future
- International and interdisciplinary cooperation
- Equality and inclusiveness
- An active role in educating and nurturing the next generation of scientists
- An engaged membership
- Unselfish cooperation in research
- Excellence and integrity in everything we do

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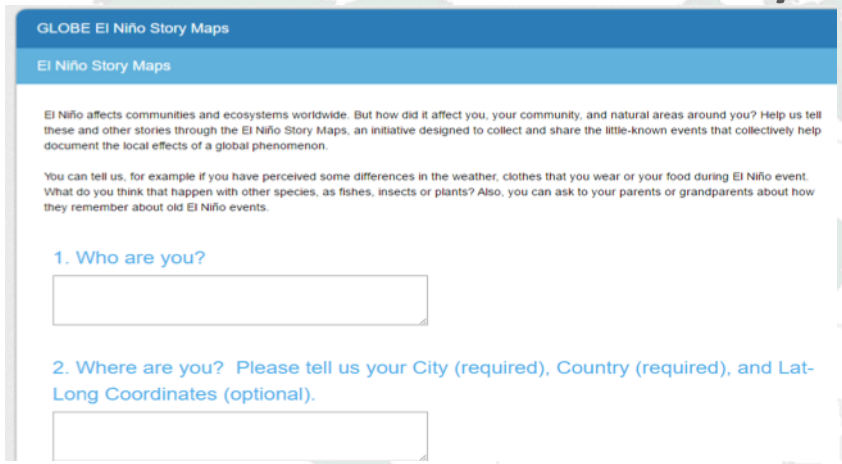
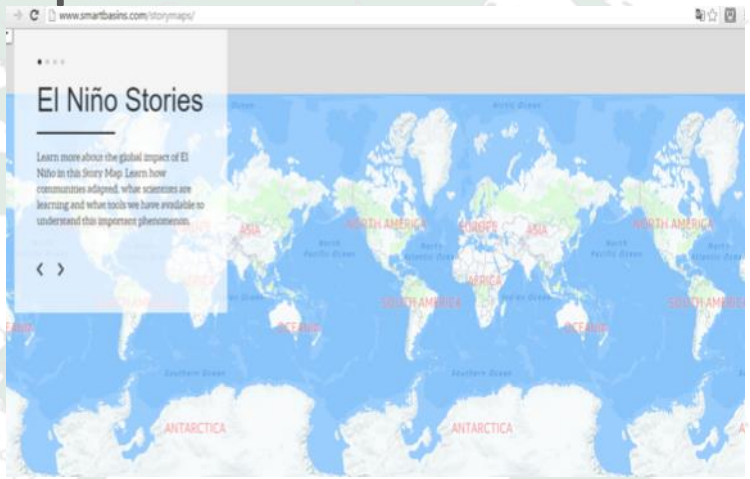
Share Your Stories: Story Maps





https://www.surveymonkey.com/r/LFVK7H3

If you have links to photos or videos you can do it through this link.

You can also share your photos and stories by sending an email to

stories@smartbasins.com

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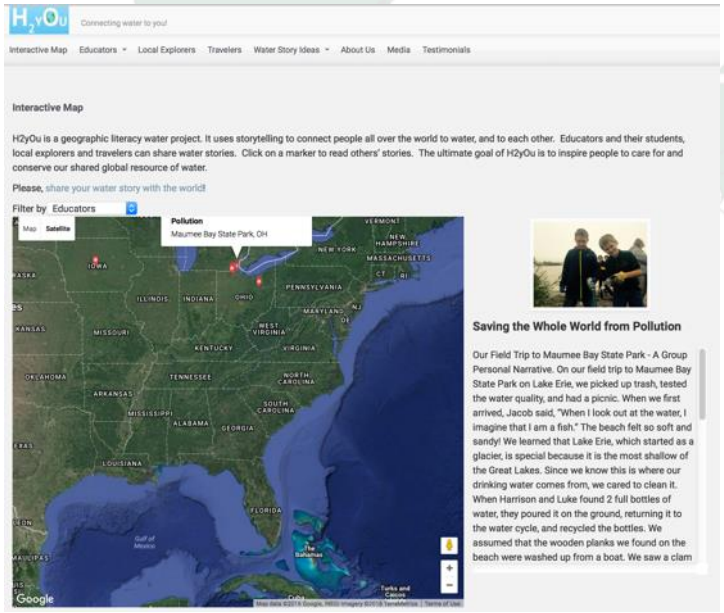
Share Your Stories: H2yOu Project

Express yourself!
Stories can be created and shared in a variety of formats: song, poem, narrative, photo essay, video



- How does water affect you and your region?
- Are you taking an action where you and your students are make our waterways better? Be creative and share your water story of how El Nino has affected your community.
- Educators and their students, local explorers and travelers can share water stories
- Read others' stories from around the world and compare and contrast your stories
- http://h2youproject.com

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Science Fairs and International Science Symposia

- Students will be encouraged to enter their local, regional science fairs and the 2017 GLOBE Virtual Science Symposium
- With GLOBE, students learn the practices of science through hands-on investigations in their own communities, sparking their curiosity and interest in science. This often leads to inquiries that help solve real-world problems and further understanding of our global environment.
- We will be promoting this event as a way for ENSO Student Research Campaign students to take their data to the next level.
- We will have webinars that focus on having students understand what their data means and how best use it in their own research.

https://www.globe.gov/news-events/globe-events/virtual-conferences/2017-international-virtual-science-symposium

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Data Counts for the ENSO Student Research Campaign

Data Counts collected by Ann Martin, SSAI

ENSO Student Research Campaign Metrics & Data Counts – Updated in advance of each Phase II Webinar

Phase II Only: September 21, 2016 – December 1, 2016

401,756 measurements

Protocol	Precipitation	Air Temperature (Standard/Noons/ Current/Max)	Surface Temperature (Standard/Noons)	Soil Temperature (Standard/Noons/ Dailies)	SMAP Soil Moisture	All Biometry (biomass, trees, vegetation cover, greenings, land cover classification)	Biometry Canopy & Ground Cover
Sites	248	456	97	113	34	27	Not available online
Observations	8,269	365,112	2,269	25,565	408	133	Not available online

Note: The data counts listed above include some observations from automated weather stations, especially for precipitation and temperature protocols.

Phase I & Phase II: March 1, 2016 – December 1, 2016

1,701,604 measurements

Protocol	Precipitation	Air Temperature (Standard/Noons/ Current/Max)	Surface Temperature (Standard/Noons)	Soil Temperature (Standard/Noons/ Dailies)	SMAP Soil Moisture	All Biometry (biomass, trees, vegetation cover, greenings, land cover classification)	Biometry Canopy & Ground Cover
Sites	440	858	157	221	97	279	Not available online
Observations	30,550	1,425,839	5,822	232,715	1,438	5,240	Not available online

Note: The data counts listed above include some observations from automated weather stations, especially for precipitation and temperature protocols.
Note: canopy & ground cover data is not retrievable through the GLOBE data tools.

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