

Work Towards Adopting a Template for Citizen Science Support on Gap Filling Data Needs Projects. Exploring Existing Cit Sci Data too!

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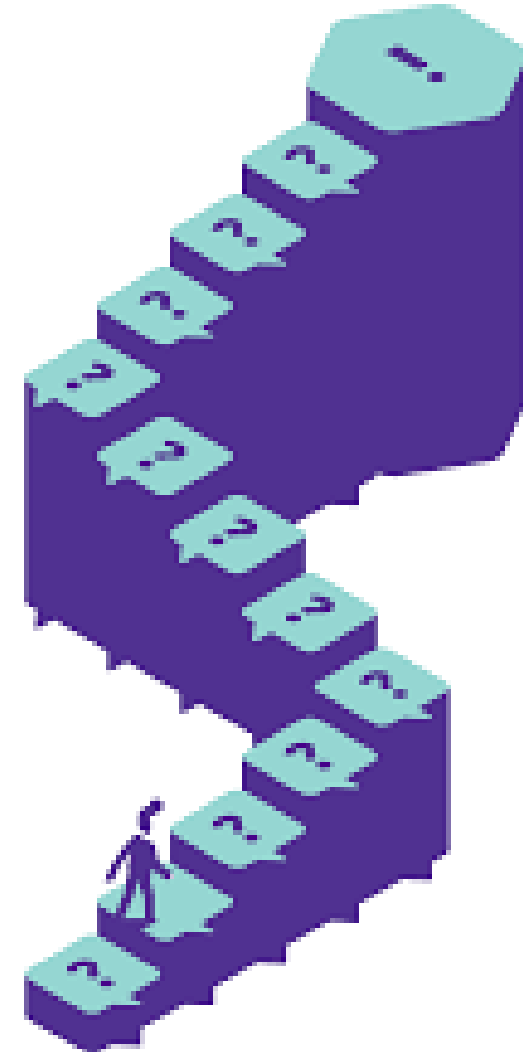
August 16, 2017

The Challenges

- “We need dissolved oxygen data”
- “We need precipitation data”
- “I need fish forage data”
- “I need brook trout data”
- Need...
- Need...
- Need...

That's nice, you need, I need, we need, but....

- **What EXACTLY
do you need?**



Issue and Action

The goal of this work is for CBP partners to adopt and use the template as one means of expanding monitoring capacity to address gap filling needs on outcome indicator metrics and or factors affecting success of outcomes.

- **Issue** – in order to exercise the opportunity to integrate citizen volunteer/citizen scientists into the CBP workflow, we need to provide specific directions on what needs to be collected **where, when, how often, how long, with what equipment, using what study design, etc.** Presently, we do not have that form of a directing or networking process in place within the CBP Partnership. We do have the pieces in place to support such work.
- **Action 1** – We request the workgroup review and comment of an established template used globally in organizing citizen science monitoring efforts. Comment on approval to promote it further among the partnership as the Cit Sci project template and note possible changes, concerns please.

Template use with an example project



North Carolina King Tides Project *Main Project Information*

Goal
Task
Where

Description

How to Join

Website

Social Media

Ideal Age Group

Ideal Frequency
Spend the Time

Type of Activity

Training Materials

Class Materials

Media Mentions
and Publications

Tags

Project Updated

Globally recognized template – recommended for adoption for Cit Sci Projects at CBP

Documenting high water events in North Carolina
Photograph high water and flooding events
North Carolina, United States of America

The North Carolina King Tides Project is an initiative to photo-document nuisance flooding events. We are looking for photos of high water levels driven by forces such as heavy rains, storms, wind, and king tides. These photos are valuable in helping communities understand vulnerabilities to coastal flooding, and can help us visualize what a future of sea-level rise may look like. This data will inform community planning and spread awareness of local flooding impacts. Remember to be careful - your safety is more important to us than any photo!

[Read More](#)

Interested participants can visit our website and simply submit a photo: <http://nckingtides.web.unc.edu/how-to-participate/taking-photos/>

<http://nckingtides.web.unc.edu/>

- [Facebook](#)
- [Blog](#)

[Elementary school \(6 - 10 years\)](#), [Middle school \(11 - 13 years\)](#), [High school \(14 - 17 years\)](#), [College](#), [Graduate students](#), [Adults](#), [Families](#), [Seniors](#)

Per month
outdoors

[In oceans, streams, rivers, lakes](#), [While fishing](#), [On a hike](#), [At the beach](#), [On a walk, run](#), [On a lunch break](#)

<http://nckingtides.web.unc.edu/plan-your-photo-shoot/>

<http://nckingtides.web.unc.edu/motions-of-the-ocean-lesson-plan/>

- [Public Invited to Help Document King Tides](#)

[aquatic](#), [coast](#), [flooding](#), [hurricanes](#), [king tides](#), [ocean](#), [photos](#), [sea level rise](#), [storm surge](#), [tides](#), [water level](#)

06/06/2017

Strengths and Weakness

- Strengths

- There are hundreds of Citizen Science Projects promoted with this format from local to globally directed monitoring efforts.
- Behind this template is a format and use of language that is a global standard for commonly run citizen science projects.
- Use of the template promotes and interoperability with existing, highly visible, well used advertising and marketing platforms of citizen science/volunteer work (e.g., SciStarter, Citizen Science Association websites).

- Considerations

- We have a technical template for indicators under the S&T WG. This is different.
- We need to agree on a governance structure for projects – is there one coordinator, a coordinating body or does the management of each Cit Sci Project rest in the hands of the group that promotes the work? To be discussed how the management of the project info is carried out.

Reminder – Action. Please review template format and share comments for discussion at the September 2017 IMN WG meeting.

TEMPLATE

Goal	Documenting high water events in North Carolina
Task	Photograph high water and flooding events
Where	North Carolina, United States of America
Description	<p>The North Carolina King Tides Project is an initiative to photo-document nuisance flooding events. We are looking for photos of high water levels driven by forces such as heavy rains, storms, wind, and king tides. These photos are valuable in helping communities understand vulnerabilities to coastal flooding, and can help us visualize what a future of sea-level rise may look like. This data will inform community planning and spread awareness of local flooding impacts.</p> <p>Remember to be careful - your safety is more important to us than any photo!</p> <p>Read More</p>
How to Join	Interested participants can visit our website and simply submit a photo: http://nckingtides.web.unc.edu/how-to-participate/taking-photos/
Website	http://nckingtides.web.unc.edu/
Social Media	<ul style="list-style-type: none">•Facebook•Blog
Ideal Age Group	Elementary school (6 - 10 years) , Middle school (11 - 13 years) , High school (14 - 17 years) , College , Graduate students , Adults , Families , Seniors
Ideal Frequency	Per month
Spend the Time	outdoors
Type of Activity	In oceans, streams, rivers, lakes , While fishing , On a hike , At the beach , On a walk, run , On a lunch break
Training Materials	http://nckingtides.web.unc.edu/plan-your-photo-shoot/
Class Materials	http://nckingtides.web.unc.edu/motions-of-the-ocean-lesson-plan/
Media Mentions and Publications	<ul style="list-style-type: none">•Public Invited to Help Document King Tides
Tags	aquatic , coast , flooding , hurricanes , king tides , ocean , photos , sea level rise , storm surge , tides , water level
Project Updated	06/06/2017

Action 2. Review and explore active Citizen Science projects as gap filling, capacity building opportunities

- Reminder – there are nearly 1000 projects ongoing on SciStarter, many have data collections that may already have networks and data collections suitable to your monitoring or factors affecting outcome information needs.

[SquirrelMapper](#)

[Landscape Watch](#) –
track landscape change

[Plant Census at Smithsonian's Global Change Research Wetland](#)



Lionfish Watch

DC/Baltimore Cricket Crawl

[Sparrow Swap](#) –
active bird management

**Bat tracker
(Norfolk, VA)**

[TreeKIT](#) – measure/map
urban forests



crowd
water

Goal	Collect hydrological data for modelling
Task	Collect water levels, stream flow data and soil moisture
Where	Global, anywhere on the planet

[Chesapeake Bay Parasite Project](#) – mud crabs

[Crabwatch](#) –
monitoring crabs and
track climate change

Blue Catfish Watch
Chesapeake Bay

Bay 100 BMP Monitoring Project
Choptank River, Delaware

[Weather Change in Bellefonte, PA](#)

Blue Ridge Biodiversity Mapping

**Backyard Bark
Beetles**

Presented By University of Florida/IFAS

Goal Monitor bark & ambrosia beetles

Task Trap & send beetles for ID. See what you caught on a live map!

Where Global, anywhere on the planet



Next steps

- Continue to coordinate template adoption with the Status and Trends WG.
- Present to Status and Trends WG.
- Present to Data Integrity WG.
- Present to the Staffer and Coordinator meeting.
- Present to STAR the outcome of previous meetings with the recommended Cit Sci Project Template that the GITs can use to promote work on data gap-filling needs through this monitoring capacity building opportunity.
- Explore existing SciStarter projects for ongoing work that may fill data needs and information gaps to support monitoring capacity building. Bring these forward in future meetings.