



CitSci.org

A Citizen Science Support Platform

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mission

“provide **comprehensive support** for citizen science programs globally”



goals



“support the **full spectrum** of citizen science needs”



“elevate the **rigor** of citizen science data”



“improve data **standardization**, interoperability, integration, accessibility, and dissemination”



goals



“support the **full spectrum** of citizen science needs”



“elevate the **rigor** of citizen science data”



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goals



“support the **full spectrum** of citizen science needs”




“elevate the **rigor** of citizen science data”



“improve data **standardization**, interoperability, integration, accessibility, and dissemination”



basically...

“provide a comprehensive platform where **anyone,**
 **anywhere** can enact projects themselves”

...**and**...have the confidence that their
projects will be rigorous, advance scientific
understanding, and yield positive impacts
and outcomes...





Helping you do great science

Create projects, build datasheets, collect data, and view results in real-time.

Sign Up

Create a Project

How It Works



CREATE PROJECTS

Create your own projects. Choose open, member-based, public, or private - it's up to you.



COLLECT DATA

Build custom datasheets. Collect any data you want.



Trout Unlimited WV-VA Water Quality Monitoring Project

Monitor the impact of Marcellus Shale gas development on the statewide water resources

September 1, 2013

9,630

[+ Join](#)



Tamarisk Coalition

Tamarisk Mapping on Arkansas and Colorado Rivers

November 16, 2005

7,450

[+ Join](#)



Mequon Nature Preserve

Mequon Nature Preserve citizen science monitoring projects

January 14, 2014

4,710

[+ Join](#)



Front Range Pika Project

A citizen science effort to gather baseline data on the current distribution of pikas and ...

July 26, 2011

4,243

[+ Join](#)



Rios Saludables de Osa - Costa Rica

Rios Saludables de Osa is a water quality monitoring network of volunteer citizens and schools ...

October 1, 2014

3,930

[+ Join](#)



Vernal Ponds of Virginia

Locate and characterize vernal

3,343

[+ Join](#)

create projects



Monitoring Project

84

members

959

observations

238

locations

9,630

measurements

Project Manager: Jacob Lemon [Email Jacob](#)

Description: Monitor the impact of Marcellus Shale gas development on the statewide water resources

[+ Project Details](#) [+ Team Members](#)

Statistics



Download



Edit Profile



Manage Members



Invite Members



Email Members

Untitled



View Data

Submit Data

Resources

Media

Feedback

Questions

Analyses

Forum

Discussion Forum

[Add New Discussion](#)[Manage Tabs](#)

Position	Tabs	Visibility	Active	Positions	
1	View			make it your own	
2	Subn				
3	Resources	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Move Up	Move Down
4	Media	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Move Up	Move Down

Users Requesting To Join FRPP			
User	Email	Requested Role	Options
Torrey Davis	toda9483@colorado.edu	Contributor	Approve Deny Email
Guy Mason	gampgamp@gmail.com	Contributor	Approve Deny Email
Terri Fong	Bluebird_11983@hotmail.com	Contributor	Approve Deny Email
Matthew Sherry	matthew.sherry2@gmail.com	Contributor	Approve Deny Email

FRPP Members			
Member	Email	Role(s)	Options
Alan Richards	ajr007@usa.net	Contributor	Edit Roles Remove
Alexandra Reich	alexreich00@gmail.com	Contributor	Edit Roles Remove
Ali Young	youngac2@miamioh.edu	Contributor	Edit Roles Remove
Allie (Alexandria) Martini	amartini@msudenver.edu	Contributor	Edit Roles Remove
Amanda Glomboski	amanda.glomboski@galschoolsdenver.org	Contributor	Edit Roles Remove
Amy Masching	amasching@denverzoo.org	Contributor	Edit Roles Remove
Amy Law-Ziegler	a2d2zieg@indra.com	Contributor Contributor	Edit Roles Remove
Andrea Lauritzen	alauritzen@yahoo.com	Contributor	Edit Roles Remove
Andrea Lauritzen	alauritzen@yahoo.com	Contributor	Edit Roles Remove
Andrew Johnson	morgulbismark@gmail.com	Contributor	Edit Roles Remove
Angela Hopkins	hopkins.ang@gmail.com	Contributor	Edit Roles Remove
Angela Kantola			Edit Roles Remove
Anne Vickery			Edit Roles Remove
Anya McCann	rmccann40@gmail.com	Contributor	Edit Roles Remove
April Kerr	aprildenae89@gmail.com	Contributor	Edit Roles Remove

manage members

CitSci.org Shared Measurements

What We Measure

The projects created on CitSci.org measure many things about organisms and the environment. Below is a growing and changing list of things currently being measured by the many diverse projects being implemented using CitSci.org. Project managers can continually add to this growing list of measurements as needed! The measurements made by projects may be about organisms (species attributes) or any aspect of the environment broadly (site characteristics). Each measurement can be made using units of choice.

[Organism Attributes](#)
[Site Characteristics](#)
[Units](#)

Don't see what you would like to measure?

Add new measurement

Search:



Show

10



entries

Measurement	Type	# of Projects Using Measurement	Options*
Presence	Categorical	50	Details
Count of individuals	Decimal	18	Details
Height	Decimal	16	Details
Percent Cover	Decimal	10	Details
DBH	Decimal	10	Details
Sex	Categorical	8	Details
Life Stage	Categorical	7	Details
Age	Integer	7	Details
Number of individuals	Integer	6	Details

create measurements

Datasheet Creator

To Project Profile

[Preview](#)[Save](#)

Datasheet Information

Datasheet name:

*

Instructions:

(Limit to 4000 characters)

Locations:

☒ Entered By User ☐ Predefined *(not yet supported by mobile apps)*

Projection:

☒ Latitude / Longitude ☐ UTM

Observation Type:

[Add Organism](#)[Add Predefined Organism Picklist](#)[Add Any Organism Picklist](#)[Add Site Characteristic](#)

Organisms

About Us

[About CitSci.org](#)[Our Mission](#)[Our Staff](#)[Datasheet Creator](#)[Plot Creator](#)[Manage Members](#)[Build Datasheets](#)[Developer APIs](#)[Embeddable Widgets](#)

Help

[Tutorials](#)[FAQs](#)[Links](#)

create datasheets

Stream Monitoring Field Data Sheet

To Project Profile

If this is the first time you are entering data for any specific site make sure you have already sent the latitude/longitude coordinates to Jake Lemon at jlemon@tu.org. This is the only way that you will be able to enter data for your site! If you have not sent your coordinates to Jake yet, do so now and wait for an email response that your site is officially created before you attempt to enter your data!

Date of Observation

Date of observation:

July

16th

2015

Recorder:

-- Select a Recorder --

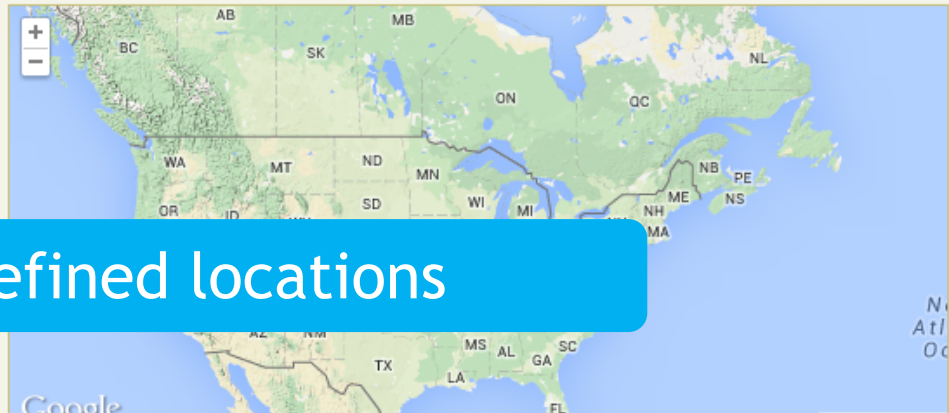
Comments:

Location Information

Please select a location from the list below (a marker will appear on the map to the right once selected)

Location:

-- Select a Location --



pre-defined locations

To Project Profile

Date of Observation

Date of observation:

Recorder:

Comments:

Location Information

Please either (a) enter latitude longitude coordinates below **from the GPS unit** you used, or (b) click on the map to the right and/or enter an address in the search box to determine and provide an approximate location for your observation.

Search:

Locate

Name:

Datum:

Latitude¹:

Longitude²:

Accuracy³ (meters):



¹ Latitude; data must be in decimal degrees

² Longitude; data must be in decimal degrees

³ Approximate uncertainty of your GPS unit in meters. Please enter accuracy information from your GPS unit or use the pre-populated value if using the map to obtain an approximate location.

opportunistic locations



Front Range Pika Project

91
members

238
observations

232
locations

4,243
measurements

Project Manager: Amy Masching [Email Amy](#)

Description: A citizen science effort to gather baseline data on the current distribution of

pika
sea:

Plea
ques

+ Project Details

+ T

Statistics

Download

View Data

Submit

Front Range Pika Project(1)

New Datasheet



Untitled



By Joe Leahy

Add File

Browse to a file and then click 'Upload'

Tab-delimited text file (".txt"):

Browse...

No file selected.

Upload File

Close

Data File Uploads

Upload File

? Please contact

bulk upload legacy data



Observation Details

[To Project Profile](#)

Observation Details

Date: September 7th, 2015
Recorder: Thomas Epling
Location Details: LITTRI002
Latitude: 38.5395
Longitude: -79.7282
Accuracy:
Survey Type: Point
Project: Trout Unlimited WV-VA Water Quality Monitoring Project
Data Source: Datasheet inserted from Thomas Epling on September 8th, 2015
Comments: Clean, littler traffic on highway, quiet, mosquitoes bothersome, saw a Great Blue Heron upstream, about 50 yards.



Weather: Sunny

Precipitation Last 48 Hours: None

Stream Flow: Low

Water Condition: Clear

[view data](#)

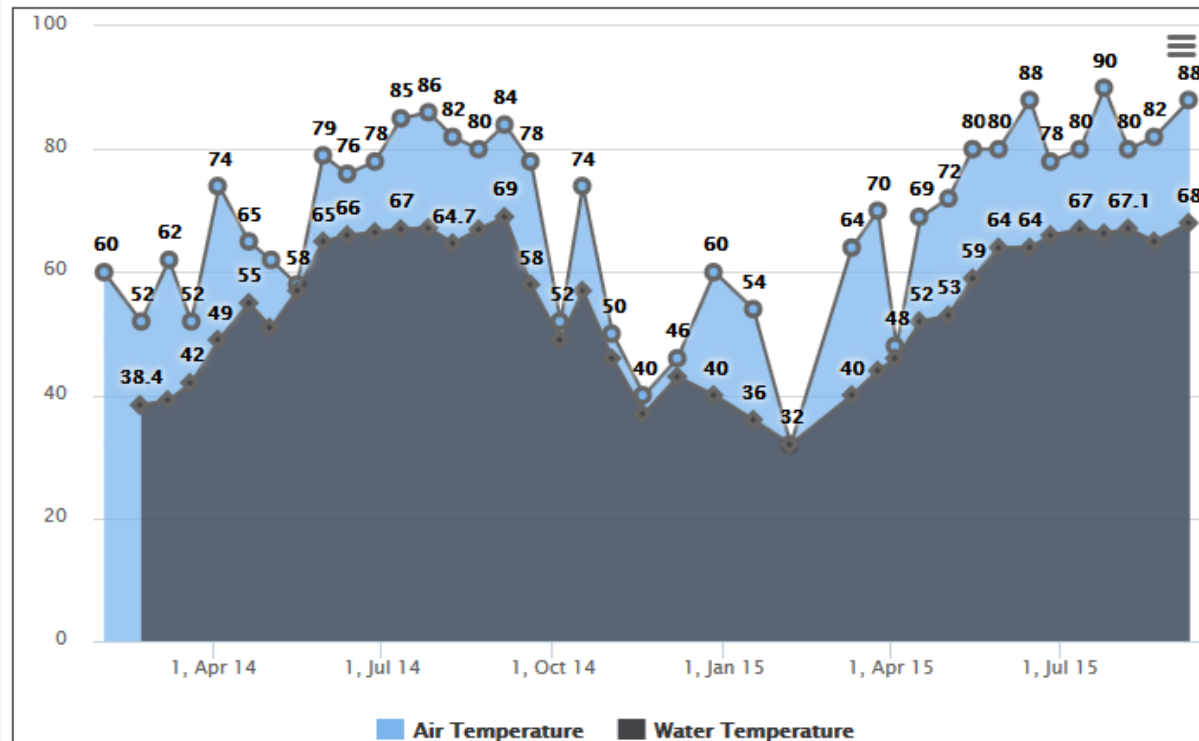


Trends at "BOYDRU001"

Site Characteristics

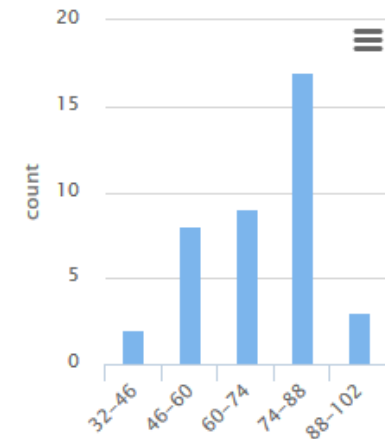
Measurement

2 of 6 Measurements selected



Summary Statistics

Mean: 69
Min: 32
Max: 90
Std Deviation: 15
No. of Samples: 39



Highcharts.com

analyze/visualize data



Explore CitSci.org Projects

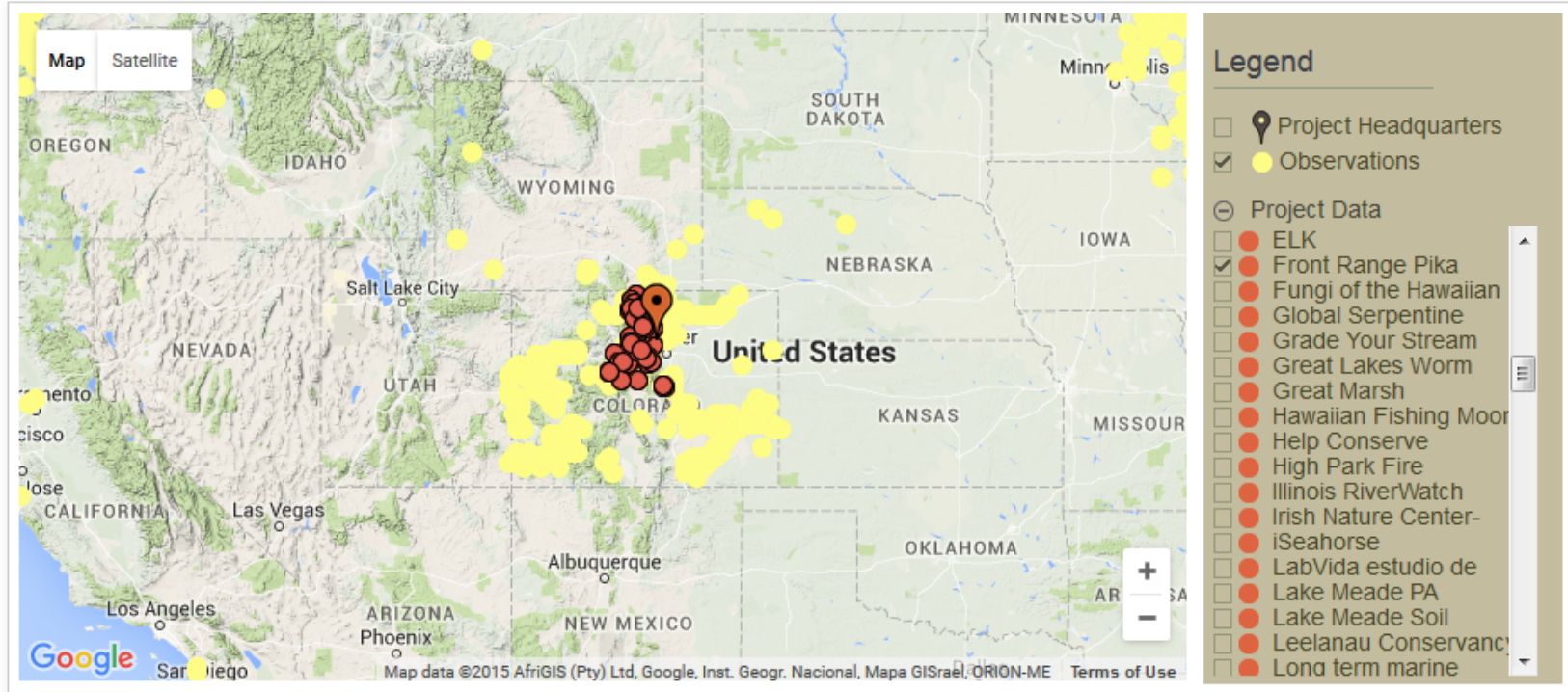
Check our CitSci.org projects with our interactive map



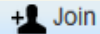
view data on maps

Explore CitSci.org Projects

Check our CitSci.org projects with our interactive map



spatially query data



Comparisons

Select measurements and locations to visually compare their mean (average) values.

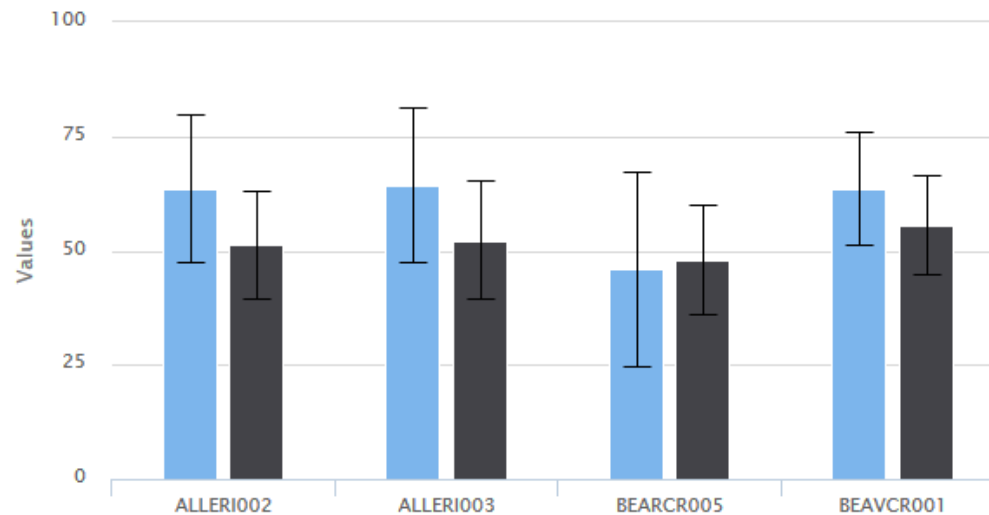
Measurement

Air Temperature (Fahrenheit)

Locations

4 of 245 locations selected

Mean Air Temperature Fahrenheit (Fahrenheit) By Location



make comparisons



Submit Data

Resources

View Data

Media

Feedback

Questions

Forum

Analyses

Trends

Relationships

Comparisons

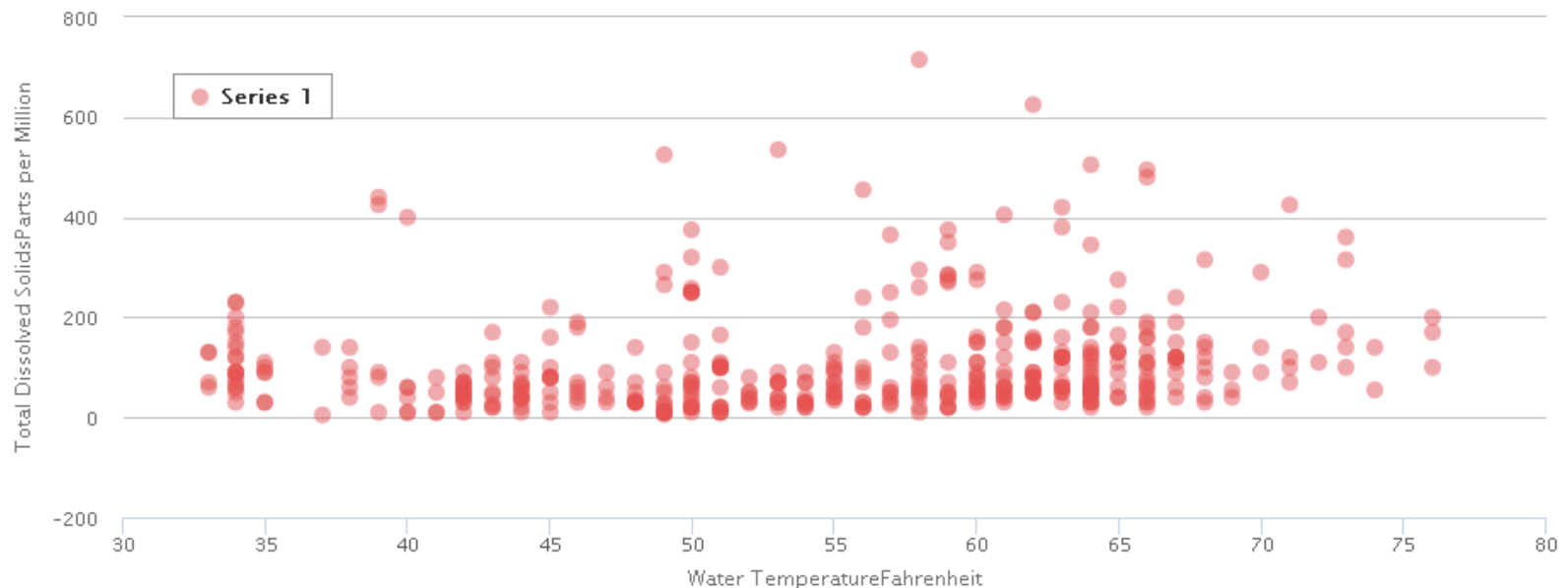
Y Axis

Total Dissolved Solids (Parts |

X Axis

Water Temperature (Fahrenh

Water TemperatureFahrenheit Versus Total Dissolved SolidsParts per Million by location and date



Highcharts.com

view relationships

stay in touch

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My Preferences

Newsletter? ☒

Sign me up for CitSci.org e-newsletters (sent monthly via [MailChimp](#))

SciStarter? ☒

Share my observations with [SciStarter](#) and be able to see your impact on your SciStarter dashboard

Forums? ☒

Send me notifications when a new post is made to project forums of which I am a member

Observations? ☒

Send me notifications when a new observation is made to projects which I am a member

My Contributions



434

measurements



106

observations



99

locations



336

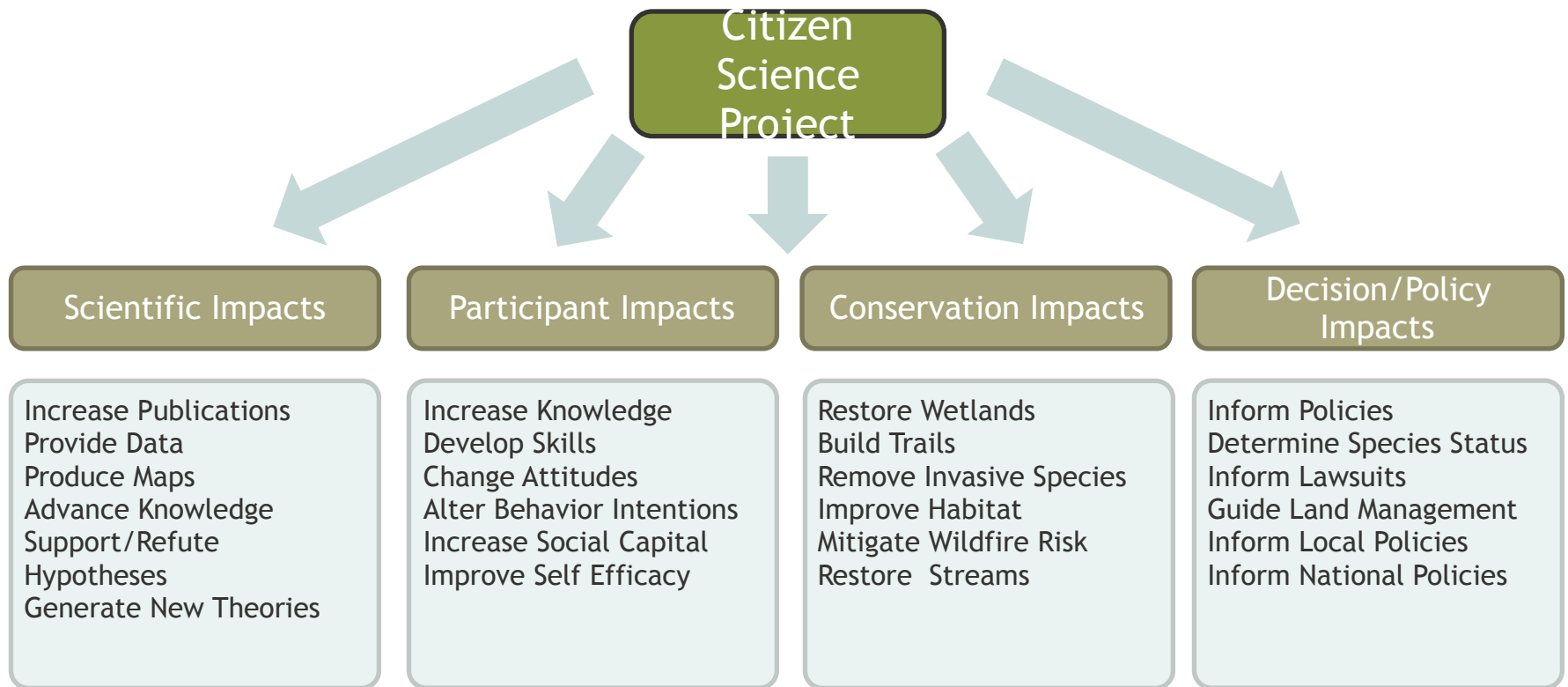
pictures



make mobile observations



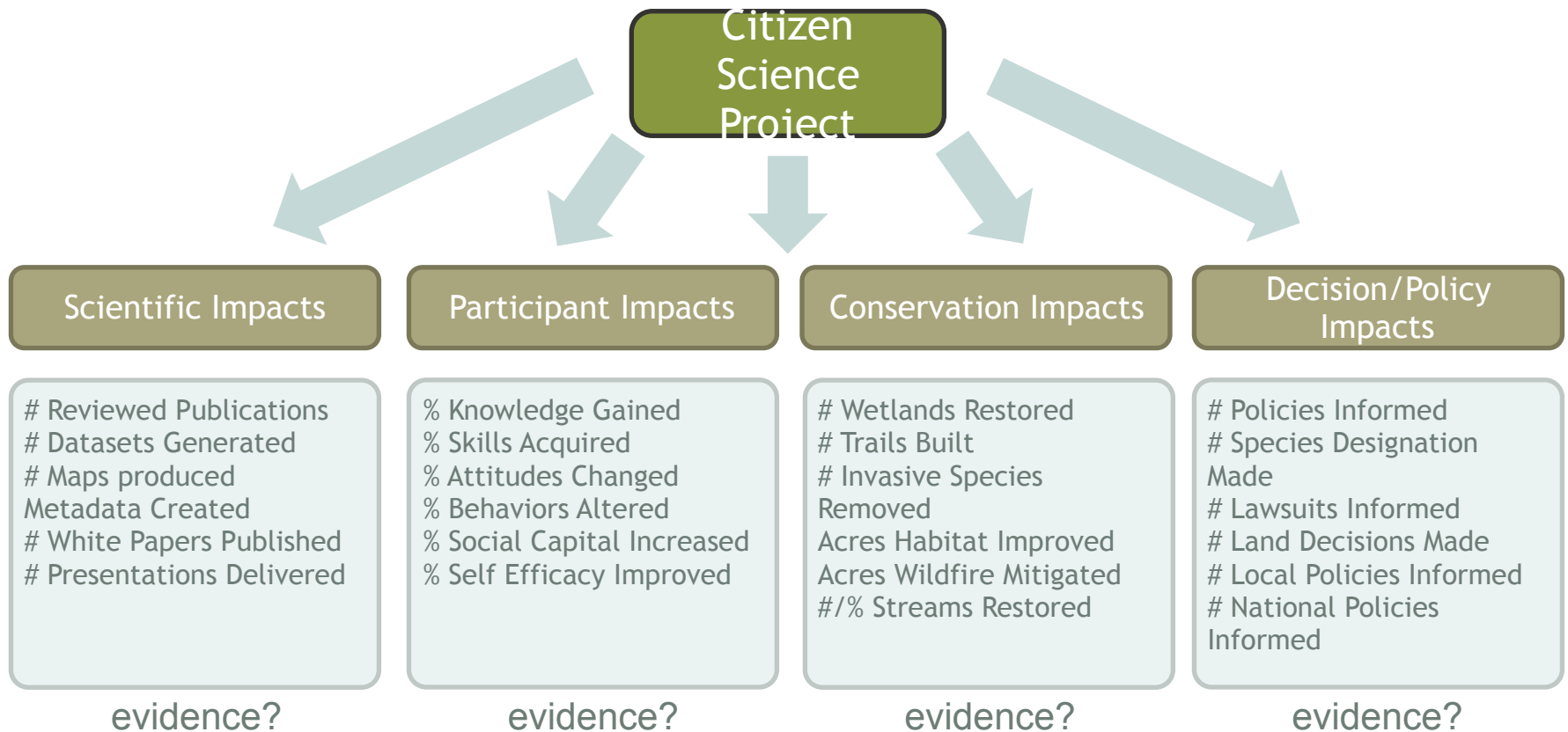
impacts



trustworthiness? quantity? quality? accessibility? appraise-ability?



evaluation of success



example

American pika distributions and climate change

