First Meeting:

Mdmap.orr.noaa.gov

Any kind of data that can be collected and then compared

-- does not have to be consecutive 28 days : (different locations Alaska, Bahamas, INdia (connec with local orgs))

Standardized protocol to teach and have people collect the same data

See the changes and patterns and makeup of plastic debris on the beach

Want to make it easy, standardized, (baseline if it’s is consecutive)

If we have a lot of data points will create a more robust data collection

**NOOAS protocol**

Identify a beach (can be doen anywhere)

Lay down a spine (100 meters)

Randomly generate 4 numbers (between 1-100)

Those 4 numbers = rib

Lay a perpindicular with those 4 numbers

Spine is a change of substrate (spine close to the **riprap**?)

4 students per group

2.5 meter long pvc pipe

Walk down substrate and count the 2.5 meter wrea

Altogether monitor 20 meters of beach

Count complete randomization of 20 meters of beach

This standing stock --people do it eery 28 days but have people not pick up the trash -- see how the trash changes

Clean Oceans however picks up the trash (mock standing stock)

At beaches that are not a lot do another technique

Accumulation sweep

Lay down spine (100 meters)

(5-8) people

Line up shore perpindicular (sweep 100 meters) and count the different categories

Also weigh the trash at Clean Oceans

Data repository -- web based system

(there could be a map similar to mdmap)

Hope to teach system to other areas

Take data off of hard copy and have a system with a map and be able to enter to data no restrictive data (anyone can look at other people’s data) want hard data

Want to be able to show representative

NOAA marine debris program

mdmap.orr.noaa.gov

Username: COI

Password: cleanoceans

Want to look at a given site over multiple years -- over summer

For longitude and latitude

Dont want TIS

Degree minute seconds

Date/ include the number of people working on a particular area / weight from the last 8 years

**Different Areas**

Collecting Data

New data collection

Different languages

Being able to view the data

Teaching how to do it, how to construct a kit to collect the data

(5 tape measurers

Visit oceanograph 10 or KOI david schwartz cabrillo

Spring 2018 marine debris monitoring project

Voice dialogue to count

On mobile/tablets

Plus 1 program -- phone app

Phone clicker -- tap

Pdf you can download

A web form - for people who do not have smartphone

How to support data collection in the field

How to collect the existing data

How to display the database

Debris population over a certain time, certain type

Be able to agregate Location, time scale, and type of material

Gradient of how things have evolved

Be able to identify source and sinks

Backlog -

subcategories:

What can we collect on a beach that can be used for diesel

Try and find a way to identify plastics in the field

More specific classification for debris

Change paper form so you can take picture of photo and then it will add it to the database

Another technology enabled protocol with grid and high res photo

Want to maek this so anyone (citizen science)

Ddavisscott

**2/12 Meeting with David:**

Working with datalitics:

-several layers :

Global locations w/ pins

In a beach itself

Datagrams of each kind of trash (bar or pie chart or line graph)

Map w/ filter and color coded areas

//print out a sheet if need be

Do not need a mobile database

**3/9:**

Looking over the data sheet -- take out option for users to input a new category unless they are a ‘super’ user

Create a total for fresh and weathered for altogether of all the ribs

Have definers for fresh and feathered

Non Survey Data:

**Minimum amount of data;**

Date , number of people, location, weight of garbage