

## Rutgers University - Computer Science Reducing Plastic Pollution in Oceans

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1 million plastic drinking bottles purchased every minute Only 9% of plastic waste ever produced has been recycled

8.3 billion tonnes of plastic produced has been since 1950 Ocean plastics directly impact more than 800 species worldwide





# Protect human and the environmental health.



Reducing plastic pollutions in the ocean by increasing cleanup events



## **Help The Volunteers**

- Track their progress and the trend through the seasons.
- Suggest beach cleanup events near to their location.
- Check the cleanup events progress in other countries.
- Provide the latest news and guidance.
- Check the type of animal entangled.

Top Events Organization in this location: California Coast National Monument Task Force!



## Help The Events' Organizers

- Check the beaches that lack cleanup events
- Predict the number of volunteers needed for a beach cleanup.
- Forecast the increase of cleanup events in the future.
- Help them plan and share their cleanup events.



### **User-Friendly Web Application**

- Easy to use tutorial.
- Export Reports.
- Download Images.
- Interactive tools.
- Responsive visualizations.
- Cloud deployment.



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Want to start your own cleanup? Get started here.

oceanconservancy.org



Plan a Trip to the Beach: stay healthy, prevent pollution

epa.gov



Hear from a Volunteer: I took part in a beach clean-up and this is what I learnt

blog.terracycle.com



How We Can Keep Plastics Out of Our Ocean - Video

National Geographic

#### **Ocean Plastics**

A Twitter list by @FatimaSaadeh993

plastic pollution in the oceans



Together, we are building a bigger picture of plastic pollution around the globe. Thank you for helping us reach 3 million litter items recorded on Debris Tracker. #CitizenScience



#### $\bigcirc$ [ $\rightarrow$

Nov 18, 2020

#### 3 MarineDebrisTracker Retweeted

#### Heather Koldewey

#### @HeatherKoldewey

Hey little bottle, looks like you've been at sea for a while! Wonder where you came from? Early morning dog walk=data collection with new @OneLessBTL list on @DebrisTracker #citsci @2minbeachclean @plasticfreepz @PlasticFreeMz

## Incorporate social media to increase awareness http://ocean-plastic-pollution.herokuapp.com/