

## Title: How Much Plastic Enters the Ocean?

### Scene 1

Action: view of opening animation screen – text animation with the title

Plastic has become an essential part of human life and we see plastic everywhere because of its strong, light-weight, and moldable characteristics.

For example, plastic in cups and bottles allows us to take food and drinks with us anywhere and keeps them fresh longer.

However, have you ever wondered how much plastic is produced and how much plastic waste is destroying our oceans?

This infographic analyzes the global plastic production from 1950 to 2015, the total plastic waste per country in 2010, and the surface plastic mass in each ocean basin in 2013.

### Scene 2

Action: Click the start button. Page turns, and a bar chart appears.

The piles of plastic bottles represent how many tons of plastic were produced every year from 2011 to 2015.

### Scene 3

Action: move the start point controller of the timeline slider to the left > then start point of time range is changed from 2012 to 1996.

Global plastic production has rapidly increased in the past 20 years and reached 381 million tons in 2015.

To give a better perspective on how much plastic this is, if we divide this number by the total population in the world, it's 115 lbs per capita.

### Scene 4

Action: Mouse clicks the second icon button on the navigation bar > then page turns and the globe appears > then country arrangement is changed from high ranked order to alphabetical order > then selected country's bar chart and the section of the globe is changed into yellow. Show detailed information about the country at the same time.

Now let's look at the plastic waste by clicking the trash can icon.

Here we explore total plastic waste in 2010 by country.

The default view has the countries ordered from highest to lowest rank and the radio button allows you to see the countries in alphabetical order.

To find a country, use the range slider on the right side of the chart.

To select a specific country and to see detailed information on it, click on the country name on the chart.

You can also find a country and its information by rotating the globe and clicking on that country.

## Scene 5

Action: Mouse clicks the third icon button on the navigation bar > then the globe moves to the middle of the page and annotation and a color indicator appears.

clicking on the third icon on the navigation bar displays the quantity of surface plastic mass page.

The annotation shows how much plastic mass was floating in the global ocean in 2013.

To view the surface plastic mass in each ocean, rotate the globe by clicking and dragging it.

The plastic bag icon with its color indicator allows you to compare the quantity of plastic mass in each ocean.

## Scene 6

Action: Select the flat map using the toggle button > then the globe map is changed to the flat map.

By clicking on the radio button, the map type changes into a flat map.

Let's look at the data.

0.3 million tons of plastic mass was floating on the global ocean surface with the "north pacific" topping the chart at 0.1 million tons.

All of this plastic is destroying our oceans and will continue to do so unless we do something about it.