





@EPAregion2





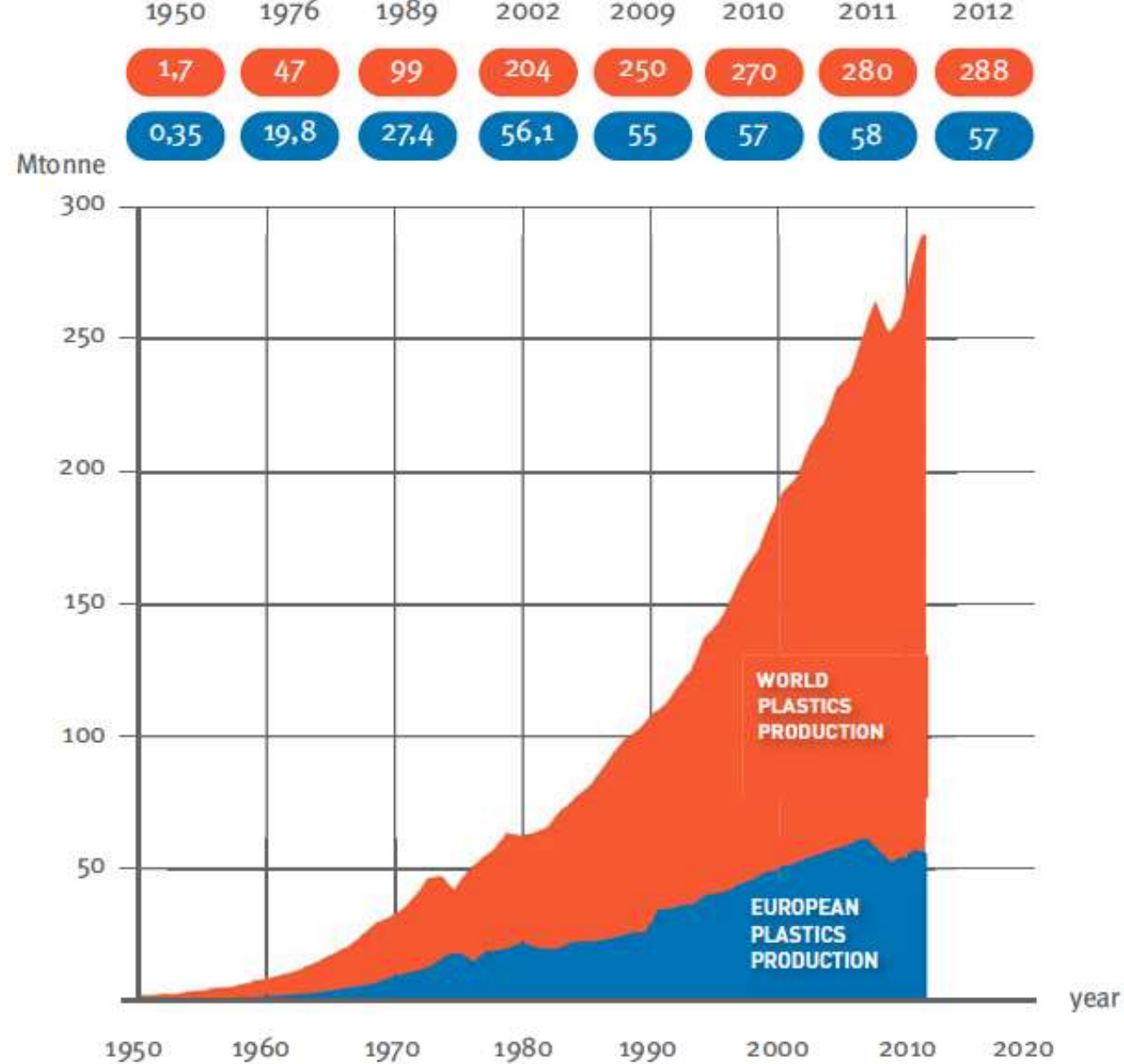












With continuous growth for more than 50 years, global production in 2012 rose to 288 million tonnes – a 2.8% increase compared to 2011.

However in Europe, in line with the general economic situation, plastics production decreased by 3% from 2011 to 2012.

Figure 2: World plastics production 1950-2012

Includes thermoplastics, polyurethanes, thermosets, elastomers, adhesives, coatings and sealants and PP-fibers. Not included PET-, PA- and polyacryl-fibers

Source: PlasticsEurope (PEMRG) / Consultic



*Plastics Europe, "Plastics—the Facts 2013" (2010 data)

**Cózar et al., 2014; Eriksen et al., 2014





Microplastics











EPA Trash Free Waters



EPA'S "PB5" WORKGROUPS



A diagram showing five horizontal bars of different colors (light blue, medium blue, grey, teal, and purple) stacked vertically. Each bar has a white circle to its left, and a thin blue line connects these circles from top to bottom. The text on each bar is underlined.

BOTTLES

BAGS

CIGARETTE BUTTS

FOOD SERVICE BOXES

MICROBEADS/MICROPLASTICS



**Take a second.
Make a difference.**







MICROBEAD-FREE WATERS ACT OF 2015

President Obama signed the Microbead-Free Waters Act into law in December 2015. The Act will prohibit the sale of personal care products containing plastic microbeads by July 1, 2018.

How will this law affect you?

Microbeads



Microbeads are tiny (< 5mm) plastic beads found in face washes, body scrubs, and toothpastes for abrasive and decorative purposes. Microbeads are too tiny to be filtered by wastewater treatment processes, so they end up being directly discharged into waterways, causing pollution and harm to marine life.

Law



The Microbead-Free Waters Act bans **RINSE OFF** cosmetic products, such as scrubs and toothpaste. The law does not ban products such as creams, fillers, and cleaning products.

Issues



The federal law preempts bad state laws, the ones that contain the "biodegradable loophole." However, the preemption may raise issues for municipalities with more aggressive implementation timelines.

Environment



Banning microbeads will reduce plastic pollution in the marine environment. While this law will not solve the entire problem, it is a great start to eliminating other sources of microplastic and plastic pollution.

Smart Shopper



Products containing microbeads will remain on the shelf until July 1, 2018. Microbeads will remain in creams, fillers, and cleaning products. Read the ingredients list on the box carefully, if you see polyethylene or polypropylene then that product contains microbeads. Shop for natural alternatives and spread the word! **BE A SMART SHOPPER!**

Created by the Trash Free Waters Program

For more information about getting involved, contact Josh Kogan, TPW Program Coordinator, at Kogan.Joshua@epa.gov

Ingredient list for a 'natural daily scrub with gentle microbeads'.....



Ingredients:

Water, Glycerin, Sodium Laureth Sulfate, Polyethylene, PEG-16 Soy Sterol, Lauryl Glucoside, Acrylates/C10-30 Alkyl Acrylate Crosspolymer, Phenoxyethanol, Glycol Distearate, Cocamidopropyl Betaine, Meth...

These microbeads are made from plastic and don't get filtered out by sewage plants after they go down a drain. SAY NO TO polyethylene beads!



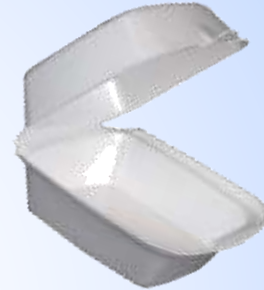








The best way to reduce trash?



***DON'T CREATE IT
IN THE FIRST PLACE!***





