

Water brings to us our waste

PHOTOGRAPHY COMPETITION

"THE PLASTIC EFFECT:
HOW IS PLASTIC
POLLUTION CHANGING
OUR ENVIRONMENT"



Water brings to us our waste

This image is made on the beginning of the 2016, near the city Slavonski Brod, Croatia. The river is Sava.

Ivan Kadić, Sanja Kalambura, Nives Jovičić
University of Applied Science Velika Gorica



This Idea is based on the respect of nature and animals by the use that we can try to invent about the plastic containers in this case the milk. The two branches represent the antlers, inside there is a coffee.

Andrea Beltrame



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The male satin bower bird (*Ptilonorhynchus violaceus*) is known to build elaborate nests displaying a range of blue items in order to attract a mate. Due to the large amount of discarded water and milk bottles in our environment, bower birds living near urban areas use plastic pegs, drinking straws and bottle tops for their display. Bower birds in more remote areas collect blue flowers, feathers and berries to decorate their nests. This photo was taken near Katoomba in the Blue Mountains west of Sydney, Australia.

*Dean Woods,
Senior Associate
Douglas Partners Pty Ltd*

Plastic Waste Causing Forest Trees Pollution



Plastic Waste Causing Mountain Forest Pollution & Plastic Waste Causing Forest Pollution

The very bad impact and the shaming Plastic Waste Pollution in the Heart of Algerian Forest in the north-east part of Algeria, YAKOUREN. The pictures are taken in an ex-Landfill that has been created by the local authorities ``the Municipality of Azazga`` by the Mayor himself, but thanks to the civil society and some Environmental Activist the Landfill is now cancelled, but there is still some plastic waste in the area. The local Environmental Association TAFRARA, in which I am an Active Member has included the clean-up of all the remains of the land fill by 15th December 2016 as part of its Action Plan for 2016.

Ferhat Mohia
IWWG Member from ALGERIA
World Safety Organization - Safety Technician and Safety Instructor
WSO Algeria National Office Director

One with the sea

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One with the sea

Unfortunately, plastic has come to be one with the sea...

*Bill Markakis,
Technical University of Crete*

Reality

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Reality

Sanitary Landfill in West Slovenia

Hermina Ivanuša Šket & Mihael Brenčič,

NLZOH- National Laboratory of Health, Environment and Food, Slovenia

"Macro - effect" of micro plastics



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The “macro-effect” of micro plastics

On-going degradation of discharged plastic littering in the marine environment would result in a sustained increased in micro-plastics. Due to the combination of environmental factors and as well as the properties of the polymer, those particles end up in the beach shoreline and make this colorful effect on the golden sand! Focusing on the tiny plastic particles, all is needed is to move the lens a couple of millimetres but that is enough to produce an entirely different side of view...

Athanasia Kousaiti,
Technical University of Crete

Plastic Waste for Livestock

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Plastic Waste for Livestock

In Morocco, not far from an uncontrolled landfill, cattle and sheeps are looking for food within the plastic waste. Of course, the purpose of my mission there was to find a way to remediate to this so frequent situation in number of countries & places in the world.

*Thiery Gisbert,
Arcadis ESG*

When the blue is not the sky nor the sea

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When the blue is not the sky nor the sea

When a friend said that he hates the blue color, as the only “things” that deserve it, is the sky and the sea I thought he was weird. Or not??

Panagea S. Ioanna,
Technical University of Crete

Nature is beauty



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Nature is beauty

Nature is beauty and everybody has the right to enjoy it. Contaminating this beauty is a form of pollution and often plastic is involved. The only “technology” we have to fight aesthetic pollution is Education, a process lasting from cradle to grave and an important task for Environmental scientists and engineers.

*Prof. Dr. Paolo Salvatore Calabrò,
Università Mediterranea Di Reggio Calabria, Italy*

Swimming Prohibited

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Swimming Prohibited

A dog looks wistfully at the sea and wants to be freshened, while its boss holds it, in order not to go inside! The sea is full of trash...

Animals shouldn't pay for humans' naivety.

*Bill Markakis,
Technical University of Crete*

Plastic Film is not Good!



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Plastic Film is not Good!

The Mediterranean Sea is the house of beautiful, magic creatures such as dolphins and turtles, people living here had always admired them and for this reason they had put their image on the first coins produced in Greece and in Magna Graecia more than 2500 years ago. Now these creatures are endangered and among other threats pollution by plastic films is one of the more serious. They in fact exchange plastic film for their food (e.g. jellyfish and squids) and when they eat them they often die. As Environmental scientists and engineers we have to find new packaging materials and to further develop separate collection to avoid this situation.

*Prof. Dr. Paolo Salvatore Calabrò,
Universita Mediterranea Di Reggio Calabria, Italy*

Fishing



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Fishing

While he was fishing, he wondered what may be the fish that he caught and immediately grabbed his cellphone to take a picture, but then he realized it was just a plastic bag!

*Bill Markakis,
Technical University of Crete*

Death with dead nature



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Death with dead nature

Nature can provide us different types of beauty. When nature interacts with the natural phenomena the results can be delicate and part of a beautiful scenery. But what about when humans interact with nature?

Panagea S. Ioanna,
Technical University of Crete

Marine footprint

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Marine footprint

Originated within eyeshot to a marine protected area in the Adriatic Sea. The fin seemed to be an integral part of the silent swaying world of the sea weed, but together with the uncountable other litter items around this world was defiled.

Stefanie Werner,
Federal environmental Agency, Germany

From deep out

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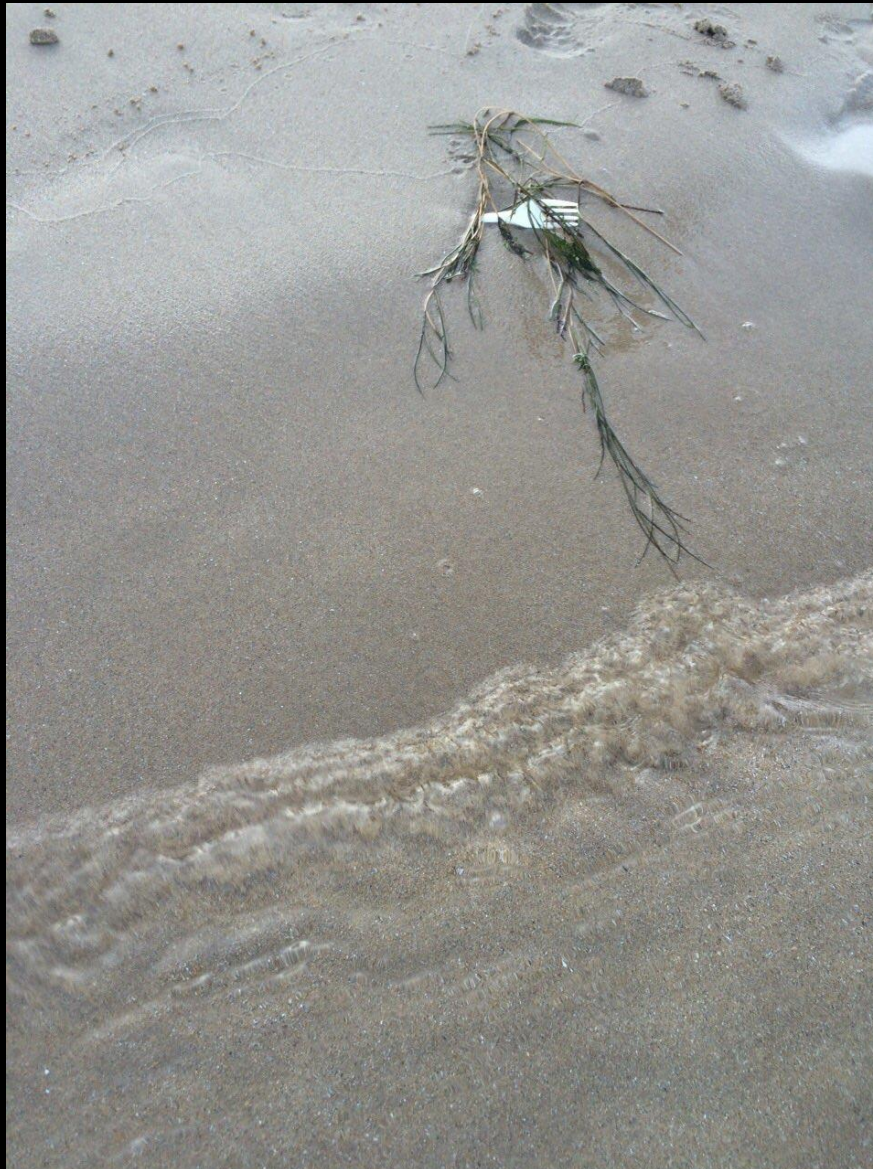
From deep out

Sanitary landfill in East Slovenia

Mihael Brenčič & Hermina Ivanuša Šket,

NLZOH- National Laboratory of Health, Environment and Food, Slovenia

A plastic fork found at sea. Then?



A plastic fork found at sea. Then?

While soaking up the relaxing cadence of crashing waves on the beach...

No one wants to think about how a plastic fork could affect the sea...

This photo was taken at Georgioupoli beach in Chania. After seeing the plastic fork, several questions crossed through my mind:

“Why s/he threw it?

If someone else saw it into the sand, why the fork is still here?

Why this destroys my calm?

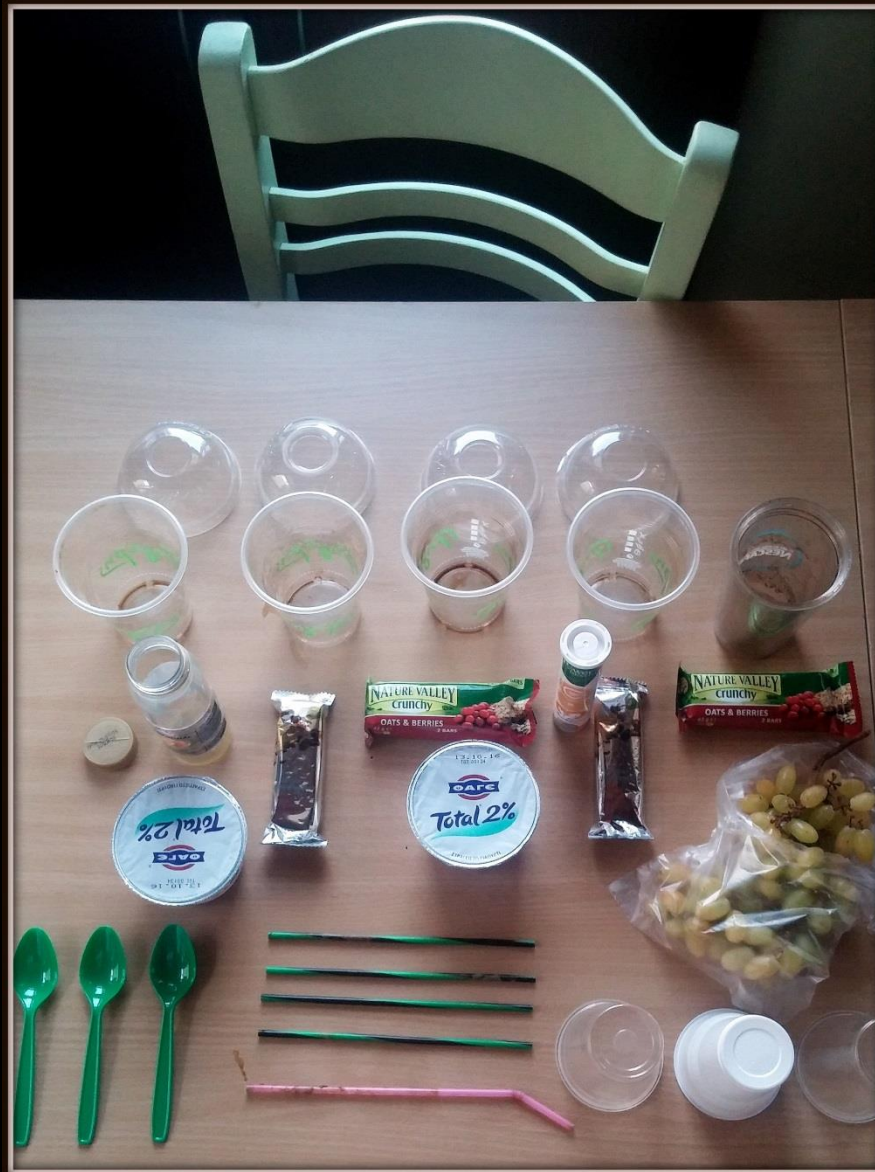
What can I do to change the bad habits, the people, the world?

And if I do, will “it” be enough?”

Before answering my own questions, I took the photo and I searched in google the phrase of image’s caption and I found that a plastic fork was removed from the right nostril of an olive ridley sea turtle, in December 2015 at Playa Ostional Beach on the Pacific coast of Costa Rica.

*Vasiliki Savvilotidou,
Technical University of Crete*

One week in the office



One week in the office

*Aikaterini Valouma,
Technical University of Crete*

Resistance

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Resistance

Sanitary landfill in Northeast Slovenia

Mihael Brenčič & Hermina Ivanuša Šket,

NLZOH- National Laboratory of Health, Environment and Food, Slovenia

South Beach Miami

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South Beach Miami

First time walking in South Miami Beach I got interested by this sign which was made to protect new born sea turtles. Walking a few meters I came by this image. Someone left this fishing net next to the turtle nests. The coherence didn't take long to come... The abandoned fishing nets are some of the tonnes of plastic debris in oceans and beaches. However, the plastic nets might be a danger to the new born turtles. Let's be aware if we are to survive! Photo captured at South Miami Beach in August 2016.

*Menelaos Xirouchakis,
Technical University of Crete*

Monobloc chair



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Monobloc Chair

Monoblock chair is the most famous chair in the world. It is made in one single production process out of 3 kilos of polypropylene at 200 degrees Celsius. Every's chair carbon footprint is calculated more than 10 kg CO₂. The Monobloc is one of the few objects that is believed to be free of context. Seeing a white plastic chair in a photograph offers no clues about the frame of individual time or location. That's because for every single person on earth corresponds more than one monoblock chair.

Aikaterini Valouma,
Technical University of Crete

A day by the sea



A day by the sea

Originated on a wild and unmanaged Croatian beach. The contrast between the vast beauty of the sea and the offensiveness of the fly waste tip was shattering.

Stefanie Werner,
Federal environmental Agency, Germany

Plastic intrusion

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Plastic intrusion

Swimming in breathtaking sea of south Crete came across this plastic container that once used to be full of fresh fruits. Stood there for a while, watching all the living animals surrounding the container. Finally, I realized how difficult is for them to live together with so many plastic waste thrown in their home. Later that day I read in an article saying that over the last ten years we have produced more plastic than during the whole of the last century, but we recover only 5% of the plastics we produce! And then came facts about how animals and plastic live together... Did you know that 44% of all seabird species, 22% of cetaceans, all sea turtle species and a growing list of fish species have been documented with plastic in or around their bodies? One million sea birds and 100,000 marine mammals are killed annually from plastic in our oceans. Think again next time you buy your groceries!

*Antonis Latsos,
Technical University of Crete*

Encapsulated



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Encapsulated

Originated in Tokyo. Everything comes in plastic here, even single bananas which are equipped with a protection layer by nature.

*Stefanie Werner,
Federal environmental Agency, Germany*

Plastic "food-print"

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Plastic “food-print”

Everyday, on my way home, I drive by this abandoned greenhouse and every single time its sadness captures my gaze. Even though Crete has one of the most fertile land in Greece, the same time holds a leading position in the installed greenhouses per acre in Greece. This whole phenomenon is called “plasticulture” and it exists due to overpopulation and overconsumption of our modern society. Worldwide plastic films that are made mainly of PE, PVC and EVA are used in many agriculture applications, providing a more efficient use of land, higher quality of crops and a healthier environment for protected cultivations. According to the Agriculture Plastic Environment Baseline (APE), over 1.000.000 tons of agri-plastic wastes films are generated every year across Europe. Most of these plastic films are left to rot like the ones in the picture.

Antonis Latsos & Athanasia Kousaiti,
Technical University of Crete

What will the sea and the future bring?



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3rd
Place

Plastic offshore

Maria Aivalioti,
Technical University of Crete