Local solutions noticed during the Race for Water Odyssey Maison des Océans – June 8th, 2016



SAVE WATER FROM PLASTIC POLLUTION

RACE FOR WATER



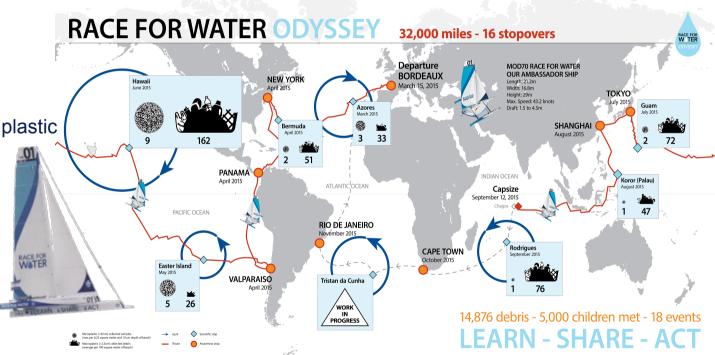


THE RACE FOR WATER OSYSSEY

Objectives

LEARN SHARE ACT

- ♦ Scientific
- ♦ Communication
- ♦ Awareness
- Meeting with local actors on plastic pollution
- ♦ Observed local solutions:
 - awareness
 - education
 - cleaning
 - industrial model
 - lobbying
 - policy...



THE RACE FOR WATER OSYSSEY

The MOD 70 R4W sailing team

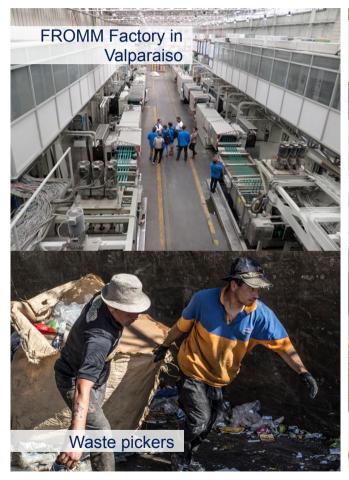


RAISING AWARENESS

Strong efforts of awareness on all islands visited



Some examples met







An innovative example: Blest engine in Koror













An example of organization model: Plastics.SA in Cape Town









www.marinedebrissolutions.org/global



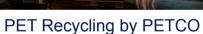
An example of organization model: Plastics.SA in Cape Town











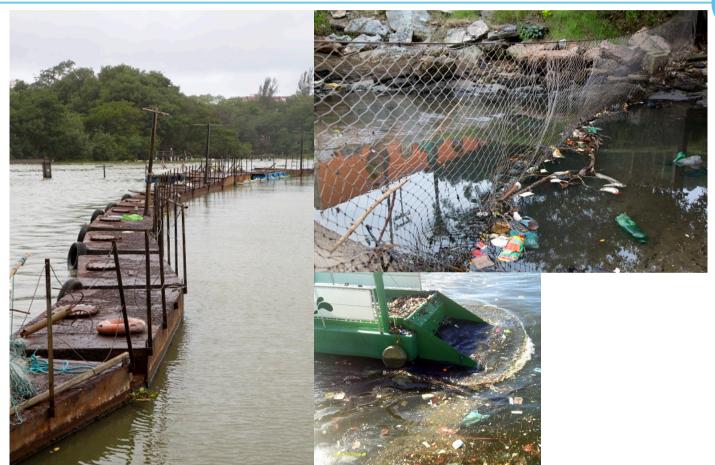




Atlantic Plastic Recycling. Ltd Circular model of polyethylene (PE)

CLEANING SOLUTIONS

Eco barriers in Rio de Janeiro





NEW ACTIONS ADOPTED BY RACE FOR WATER FOUNDATION

ACT

"PLASTIC WASTE TO ENERGY"

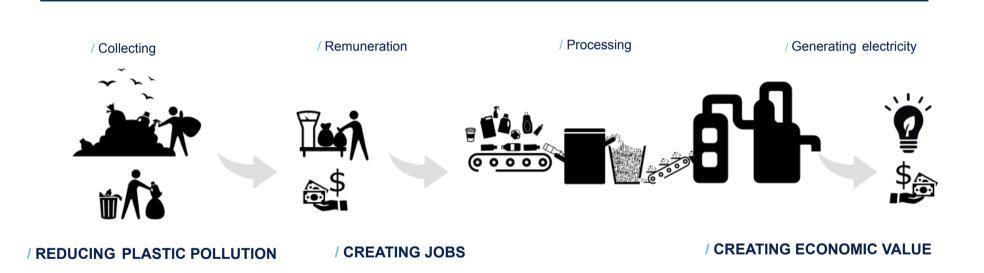


A LAND-BASED SCALABLE SOLUTION
GIVING A VALUE TO END-OF-LIFE PLASTIC
TO PREVENT THE POLLUTION OF OUR WATERWAYS

The value chain

АСТ

An approach based on social entrepreneurship with tangible impacts



A revolutionary technology

Plastic waste to Energy thanks to a revolutionary technology.

/ Unique to transform waste in energy using:

a ultra-high temperature hydrolysis (1200 °C, no oxygen)

/ Energy recovery from waste and biomass in the form of Syngas

/ No waste sorting, nor clean-up phase required

/ No emissions, nor toxic residues, meeting highest environmental regulations

Easter Island – key figures

| | 2015 |
|---|----------------|
| Resident population | > 6'000 people |
| Total waste (all kinds) | > 2'500 tonnes |
| Marine debris | > 50 tonnes |
| Recovery of PET (white), paper/cardboard, glass, steel, aluminium and TetraPak™ packaging | > 300 tonnes |





Easter Island – storage of waste

ACT

The unsorted waste goes to the local landfill with no treatment → Over 2,000 tonnes in 2015

Benefits of this "Plastic waste to Energy" solution for Easter Island:

- ✓ Partial remediation of the local landfill
- ✓ Recycling of approx. 10 tonnes of marine debris and of the entire annual production of plastic waste.
- √ 2,000 MWh of power injected into the local network = approx. 1,250 Rapa Nui households







RACE FOR WATER FOUNDATION

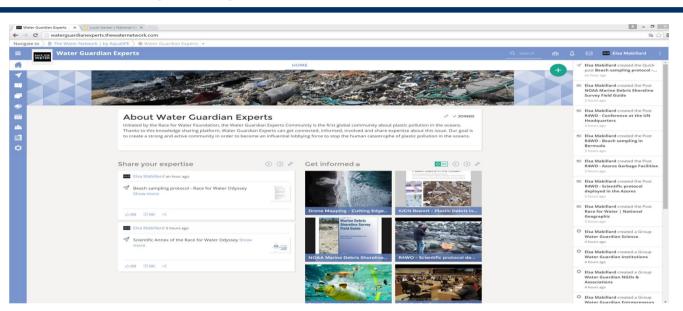
Research and awareness





RACE FOR WATER FOUNDATION

The Water Guardian Experts platform



- A unique online knowledge sharing platform to get informed, connected, involved and share in order to stop the human catastrophe of plastic pollution in oceans.
- A community of committed Water Guardian Experts met mainly during the Race for Water Odyssey:
 scientists, NGOs, local associations, institutions, governments, managers, industrials...



