

# Coastal areas & marine monitor

## Authors:

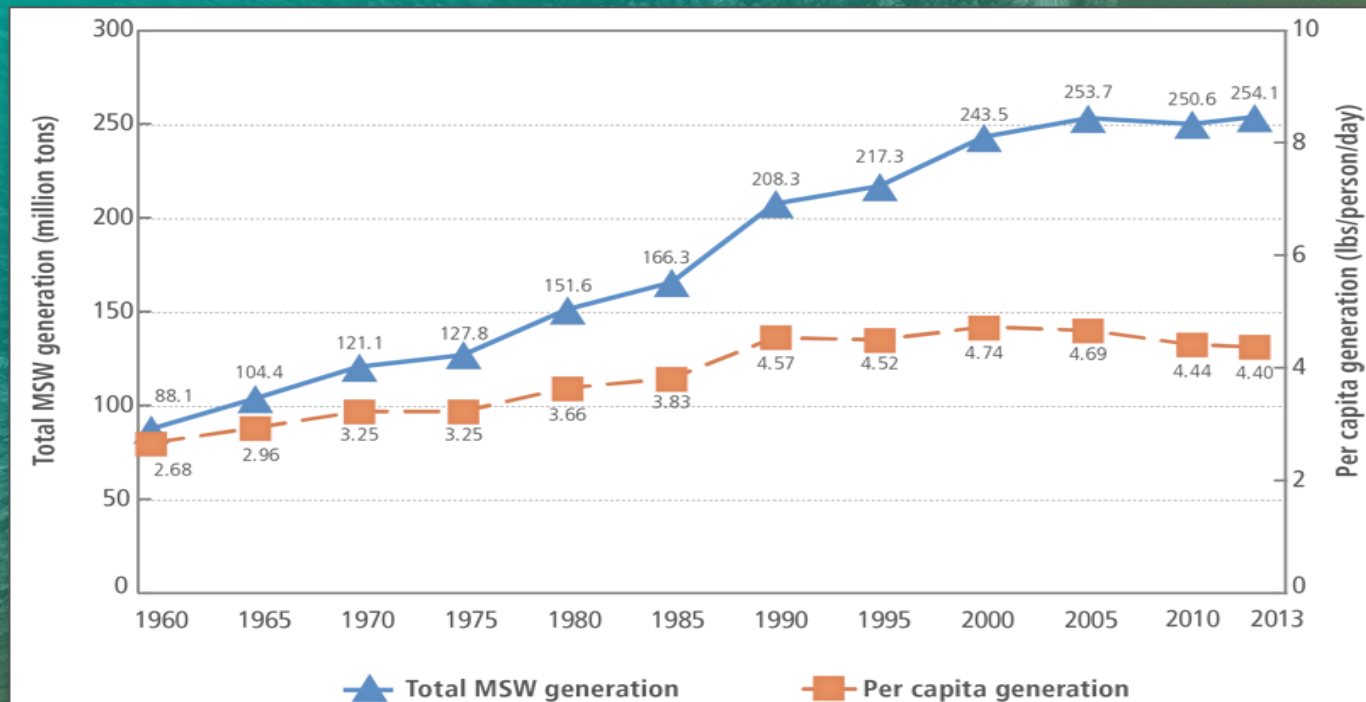
Miłosz Szlachetka  
Michał Gućwa  
Piotr Smajek  
Bartłomiej Rolek

Monika Nowak  
Agata Rybak  
Michał Czyżowski



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# Waste production (1960-2013)



# SOURCES OF MARINE LITTER




- 1 SEWAGE RELATED DEBRIS
- 2 LITTER DROPPED IN TOWNS AND CITIES
- 3 POORLY MANAGED BINS AND LANDFILL SITES NEAR THE COAST
- 4 LOST FISHING EQUIPMENT
- 5 SHIPPING MATERIALS LOST OVERBOARD
- 6 POORLY MANAGED INDUSTRIES
- 7 LITTER DROPPED AT THE BEACH



How much of it goes to the water?



**8 to 10 million tons  
annually of plastic waste  
goes to sea and oceans**

A wide-angle photograph showing a massive accumulation of floating plastic and debris in the Caribbean Sea. The trash forms a dense, dark layer on the water's surface, extending far into the distance under a clear blue sky. The foreground shows a rocky shoreline littered with pieces of trash that have washed ashore.

# FLOATING TRASH 'ISLAND' FOUND IN CARIBBEAN





Organisations  
& events







## Current monitoring solutions

- Land patrol
- Sea patrol
- Airplane patrol
- Drones
- River monitoring



## Society awareness

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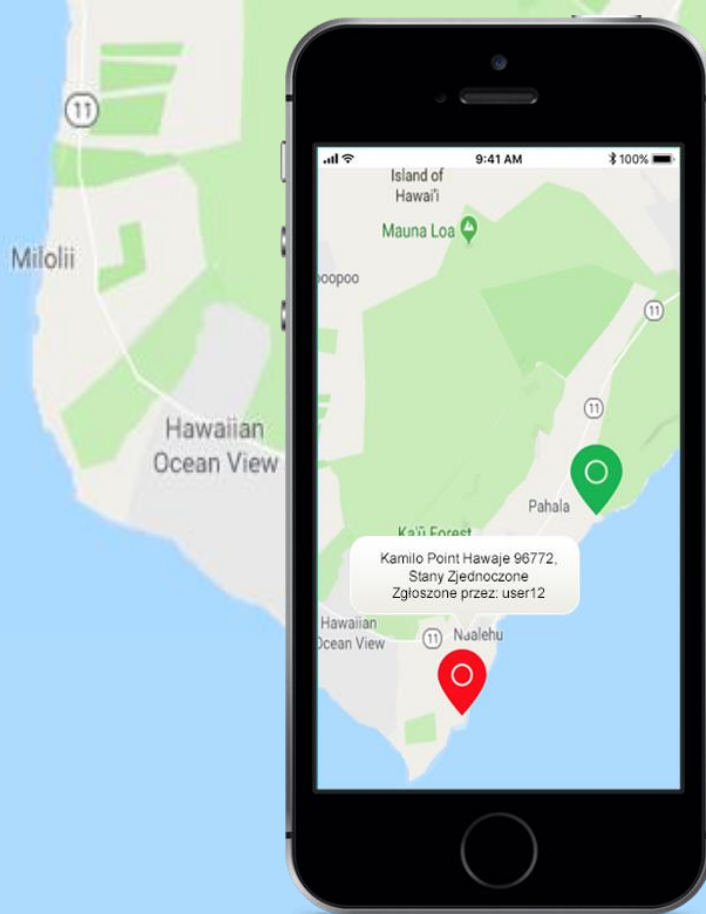
- Recycling
- New environmental law
- Promoting eco-lifestyle

# Solution from the sky



Our solution uses thermal,  
optical, radar data and in the  
future from hyperspectral  
satellite





# Cleanup challenge



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## Advantages of our solution

- Costs
- Time
- Possibility to monitor large area at once

# SWOT analysis



# Financial plan



# P

Project  
Development  
Infrastructure

70k PLN

# M

Marketing  
Society education

100k PLN

# C

Cooperation  
Contracts

50k PLN





# Thank you!

Contact

Mail: [neutral.face.emoji@gmail.com](mailto:neutral.face.emoji@gmail.com)

Phone: +48 692 475 660

