

















litter ERES

Marine Litter is waste produced by human activities, either on land or at sea, that ment. Plastics, rubber, paper, metal, wood, glass can be found floating on the surface of the sea, beneath the sea surface, washed up on the beaches or lying on the seabed.

ous marine litter problem and unless competent authorities to prevent, reduce and eliminate this type of pollution, the

domestic, industrial, shipping and agricultural activities that deliberately or by accident dispose of their waste directly or indirectly into the sea. Waste can travel big distances from its source by

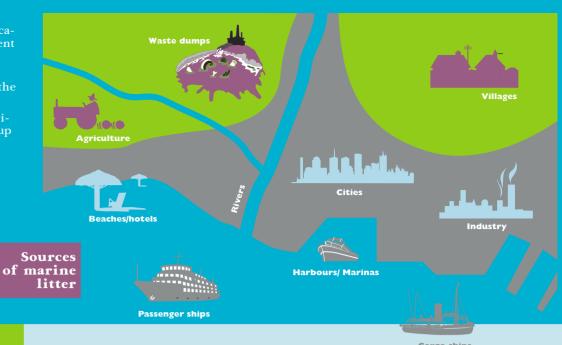
Even the remotest parts of the Mediterranean are affected by marine litter. It spoils the landscape and may affect the marine ecosystem. Pollutants contained in litter are diluted into rainwater, freshwater or sea water and may

Marine animals such as fish, dolphins, whales, seals and birds are harmed by marine litter because they become entangled in it, wounded by it or mistake it for food. The results can be deadly: litter items can cause lethal cuts, hampered mobility, suffocation, drowning and when ingested may lead to poisoning, strangulation or starvation.

we all pay for the problems caused.

- It is a health hazard, causing infections, injuries and cuts (toxic substance containers, broken glass and cans, syringes, etc.).
- affecting our mood negatively.

- It deters tourists with serious implications for coastal communities dependent on tourism.
- It causes fouling of fishing gear and damage to boat propellers burdening the fishing industry with additional costs.
- It costs taxpayers and coastal authorities huge amounts of money to clean-up and dispose of.



The main sources of marine litter in the Mediterranean

80% from land-based activities: run-off * littered rivers emptying into the sea * rainwater sewers * sewage outlets * air-borne garbage * industrial waste * poorly managed landfill sites * careless disposal of rubbish on beaches 20% from activities at sea: cargo and passenger vessels of all sizes (i.e. yachts, sailboats) * commercial and recreational fishing vessels (fishing lines and nets * polystyrene fish storage containers, etc.) * offshore oil and gas rig/platform debris.









· UNEP and the Mediterranean Action Plan (UNEP/MAP): Since 1975 the Mediterranean states are cooperating through the Mediterranean Action Plan (MAP), which is under the auspices of the United Nations Environment Program (UNEP), to jointly deal with the problem of marine pollution in the Mediterranean (www.unep.org and www.unepmap.org)

 The Hellenic Marine Environment Protection Association - HELMEPA: Founded jointly by Greek seafarers and shipowners in 1982, HELMEPA is a voluntary non-governmental, non-profit organization aiming to motivate the human element in shipping "from shipowner to seafarer" through proper information, education and training (www.helmepa.gr, www.helmepajunior.gr)

Greece/Ελλάδα Καθαρή is a non-governmental, non-profit organization, based in Athens since 1993. The prime objective of Clean up Greece is to create public awareness regarding environmental protection issues (www.cleanupgreece.org.gr)

lopment (MIO-ECSDE): Established in 1991, MIO-ECSDE is a federation of more than 100 non-profit and non-Governmental Organisations (NGOs) working on environmental protection and sustainable development in all Mediterranean countries (www.mio-ecsde.org)

Each one of us can contribute in keeping our Mediterranean sea free of the waste we produce

• Always put your waste into bins and don't leave litter on coasts, don't drop litter in the sea. Litter on the street or in sewers will also most likely end up in

• Generate less waste when you travel or go to the beach: pack your food in reusable containers. Generally, reduce, reuse and

waste whenever possible

• Dispose cigarette butts thoughtfully (i.e. in an empty cigarette box that you take with you): they impact on water quality and may harm marine life.

• Lobby your municipality to provide waste containers at beaches and manage them properly.

• Set an example to others and kindly request their respect towards the marine and coastal environment.

• Join a local environmental group and participate in beach clean-ups, local and global monitoring efforts and awareness raising campaigns.

of your personnel and visiting tourists.

• Place disposal bins and ashtrays in strategic positions in your hotel, restau-rants and on nearby beaches, and ensure that they are regularly emptied, cleaned

• Organise regular clean-ups and support other environmental awareness raising

• Reduce waste (from services, food packaging, etc.).

• Develop or join recycling programs.

- Use biodegradable fishing equipment and bait bags when possible
- Collect waste and dispose of it appropriately on land.
- Ask your local council and port authority for special disposal facilities at marinas and harbours.
- Cooperatives, unions and clubs should educate their members on why they should bring their waste to port rather than dump it at sea.

- Develop "cleaner production" initiatives.
- Launch a "green office management"
- Develop an on-site reuse and recycling
- Introduce Integrated Waste Management
- Train and sensitise your staff accord-

- Develop and implement a Garbage Management Plan and regularly update your Garbage Record Book (*).
- Increase the environmental awareness of officers and crew members through
- Integrate environmental concerns into yachting and sailing school curricula.
- Display motivational placards and other information material in prominent places on board to deter crew members and passengers from throwing garbage into the sea.
- Place appropriate disposal bins and

ashtrays on deck to reduce airborne lit-

- Reduce waste (from services, food packaging, etc.).
- Dispose of waste only at port reception facilities.

(*in accordance with IMO's MARPOL Annex V requirements).

- Perform awareness-raising campaigns and education programmes for all stake-holders involved making the basic linkages between freshwater and the marine
- Properly monitor and collect litter on beaches and in harbours. Collaboration between the port authorities and the local authorities is necessary.
- Establish an integrated municipal waste management system with priorities on waste reduction, recycling and
- Apply integrated coastal area management schemes, including provisions to involve stakeholders.
- Integrate local action with any relevant regional and global priorities, programmes and strategies.
- Provide financial support for preven-
- Provide port reception facilities for the safe disposal of garbage by ships, pleasure crafts and fishing vessels.

regularly is more of a problem. Their proper monitoring and management is necessary. Key issues to address: who collects the waste? when? where does it go?

plastic cup

glass bottle

fishing line 600 years plastic bottle

450 years aluminum can 80-200 years

rubber boot sole cigarette filter

plastic bag 10-20 years

nylon fabric

30-40 years

orange peel woolen clothes paper towel

1-3 years

carton

apple core

newspaper



zemlie bez otpadal • Bez otpadal • Rez otpadaka na Mediteranul • Sačuvaimo mediteran bez otpadal • Mbaieni Mesdheun të Pastër nga Mbeturinatl • Akdenize sahip cıkalıml • תלוספמ יקנ ווכיתה חייה?לע רומש • Por um Mediterrâneo sem lixol • Keep the Mediterranean litter free Pour une Méditerranée sans déchets! • Per un Mediterraneo senza rifiuti! • Τια μια Μεσόγειο χωρίς σκουπίδια! • تايافتانا نم بيلاخ طسرتتيانا تام بيلاخ طسرتتيانا والمعادمة Para un Mediterraneo libre de basura! • Ohranimo čist Mediterran! • Žommhu l-Mediterran nadif u bla skart!