NET4mPLASTIC PROJECT

WP3 – Act. 2

Annex 3 - D 3.2.1

Report of the results of previous EU projects on MP and data collection related to plastic and MP in all marine compartments in the northern Adriatic basin, to site characteristics and meteo-marine data, and to beach and waste management in Croatian and Italian pilot sites

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1 Contents

This text refers to Deliverable 3.2.1, which is related to data collection in relation to plastic and micro plastic waste characteristics and management from available reports. Previous EU projects as well as scientific papers regarding macro and micro litter data and collection and particular locations in the Adriatic Sea are analysed. Available data related to macro litter on beaches is listed in tables 01 - 22, which contains location characteristics, sampling type and date, waste characteristics, waste amounts (number of items per 100 m and per m^2), waste management as well as qualitative and quantitative characterization of location cleanliness, if available. In Tables 23 – 33 data related to analysis of macro litter on sea bottom with scuba/snorkelling survey, containing location characteristics and waste amounts (average number per 100 m^2). In Tables 34 – 40 data are listed related to bottom trawl survey of macro litter on sea bottom. Tables contain location characteristics and waste amounts data (average number of items found per km^2; average total weight (kg) of waste found per km^2.

Regarding micro plastic waste, data is collected from previous surveys and analyses. In tables 41 – 66, data related to sea surface sampling of micro plastic is listed containing location characteristics and average micro plastic concentration in items per km^2. In Tables 67 – 75, a sediment analysis is performed containing data about site characteristics, volume of each sediment sample, and quantity large and small micro plastic particles per kg of sediment. Data related to micro plastic in rivers is listed in Tables 76 – 80 containing location characteristics, meteorological conditions and data about average concentrations of items per km^2. In Tables 81 – 85 data related to fishing area analysis is presented containing data about locations, sampling conditions and concentrations (items per km^2).

1.1 Macro litter in the Adriatic Sea

Location (number)	01
Location (coordinates)	45.537506, 13.609510 (approximately)
Location (name)	Strunjan Nature Park (Portorož. Slovenia)
Location characteristics	Not specified
Sampling type	Beach Clean-up
Sampling date	21/09/2013
Report Year	2013
Results	Trash Bags Filled: 31
	Cigarette butts: 1857
	Food wrappers: 408
	Bottle caps plastic: 493
	Beverage bottles plastic: 239
	Beverage cans: 165
	Grocery bags plastic: 230
	Cups plates plastic: 136
	Fishing net pieces: 312
	Other plastic foam packaging: 107
	Construction materials: 121
Project/Research	MARLISCO - MARine LItter in European Seas: Social AwarenesS and CO-Responsibility
Source (link)	http://www.marlisco.eu/marine-litter-database.en.html

Location (number)	02
Location (coordinates)	45.537506, 13.609510 (approximately)
Location (name)	Strunjan beach Nature Park (Portorož. Slovenia)
Location characteristics	Semi urban area with development behind the beach
	Prevailing winds: South-East
	Prevailing currents: South-West
	Primary area usage: Tourism and Recreation
	Secondary area usage: /
	Distance from closest town: 7 km
	Distance from closest harbour: 7 km
	Distance from closest river mouth: 3.94 km
	Frequency of cleaning activities: Seasonal
Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Dirty
	Average number of items per 100 m stretch (± SD): 828 ± 278
	Median of items per 100 m stretch (± MAD): 863 ± 527
	Average number of items per m2 (± SD): 0.83 ± 0.28
	Median number of items per m2 stretch (± MAD): 0.86 ± 0.53
	CCI (Clean Coast Index): 17
Project/Research	DeFishGear Project

	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**03**
Location (coordinates)	45.525210, 13.580979 (approximately)
Location (name)	Fiesa beach. Piran. Slovenia
Location characteristics	Semi urban area with development behind the beach
	Prevailing winds: South-East
	Prevailing currents: South-West
	Primary area usage: Tourism and Recreation
	Secondary area usage: Fisheries
	Distance from closest town: 0.9 km
	Distance from closest harbour: 3.4 km
	Distance from closest river mouth: 1.6 km
	Frequency of cleaning activities: Seasonal
Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Clean
	Average number of items per 100 m stretch (± SD): 167 ± 44
	Median of items per 100 m stretch (± MAD): 182 ± 8

	Average number of items per m2 (± SD): 0.17 ± 0.04
	Median number of items per m2 stretch (± MAD): 0.18 ± 0.01
	CCI (Clean Coast Index): 3.3
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**04**
Location (coordinates)	45.533620, 13.629946 (approximately)
Location (name)	Bale skale beach (Slovenia)
Location characteristics	Semi rural area with development behind the beach
	Prevailing winds: South-East
	Prevailing currents: North-East
	Primary area usage: Tourism and Recreation
	Secondary area usage: Fisheries
	Distance from closest town: 3.7 km
	Distance from closest harbour: 2.7 km
	Distance from closest river mouth: 2.4 km
	Frequency of cleaning activities: Seasonal
Sampling type	Beach transect
Sampling date	2007 – 2013

Report Year	2017
Results	Cleanliness: Moderately clean
	Average number of items per 100 m stretch (± SD): 409 ± 203
	Median of items per 100 m stretch (± MAD): 519 ± 64
	Average number of items per m2 (± SD): 0.49 ± 0.20
	Median number of items per m2 stretch (± MAD): 0.52 ± 0.06
	CCI (Clean Coast Index): 9.8
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**05**
Location (coordinates)	42.457347, 18.512859 (approximately)
Location (name)	Igalo beach (Montenegro)
Location characteristics	Urban area with development behind the beach
	Prevailing winds: South-East
	Prevailing currents: South-West
	Primary area usage: Tourism and Recreation
	Secondary area usage: /
	Distance from closest town: 1.9 km
	Distance from closest harbour: 1.79 km

	Distance from closest river mouth: 1.52 km
	Frequency of cleaning activities: Seasonal
Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Clean
	Average number of items per 100 m stretch (± SD): 225 ± 148
	Median of items per 100 m stretch (± MAD): 177 ± 46
	Average number of items per m2 (± SD): 0.23 ± 0.15
	Median number of items per m2 stretch (± MAD): 0.18 ± 0.05
	CCI (Clean Coast Index): 4.5
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**06**
Location (coordinates)	42.275238, 18.886680 (approximately)
Location (name)	Kamenovo beach (Montenegro)
Location characteristics	Semi urban area with development behind the beach
	Prevailing winds: South-East
	Prevailing currents: South-West

	Primary area usage: Tourism and Recreation
	Secondary area usage: /
	Distance from closest town: 7 km
	Distance from closest harbour: 7 km
	Distance from closest river mouth: 3.94 km
	Frequency of cleaning activities: Seasonal
Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Dirty
	Average number of items per 100 m stretch (± SD): 524 ± 327
	Median of items per 100 m stretch (± MAD): 458 ± 144
	Average number of items per m2 (± SD): 0.52 ± 0.33
	Median number of items per m2 stretch (± MAD): 0.46 ± 0.14
	CCI (Clean Coast Index): 11
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**07**
Location (coordinates)	42.585257, 14.090045 (approximately)

Location (name)	Torre Cerrano beach - Nord (Italy)
Location characteristics	Semi urban area with development behind the beach
	Prevailing winds: South-East
	Prevailing currents: South-East
	Primary area usage: Tourism and Recreation
	Secondary area usage: /
	Distance from closest town: 0.4 km
	Distance from closest harbour: 7.9 km
	Distance from closest river mouth: /
	Frequency of cleaning activities: Seasonal
Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Clean
	Average number of items per 100 m stretch (± SD): 285 ± 350
	Median of items per 100 m stretch (± MAD): 285
	Average number of items per m2 (± SD): 0.29 ± 0.35
	Median number of items per m2 stretch (± MAD): 0.28
	CCI (Clean Coast Index): 4.4
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.

Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**08**
Location (coordinates)	42.585257, 14.090045 (approximately)
Location (name)	Torre Cerrano beach - Sud (Italy)
Location characteristics	Semi urban area with no development behind the beach
	Prevailing winds: South-East
	Prevailing currents: South-East
	Primary area usage: Tourism and Recreation
	Secondary area usage: /
	Distance from closest town: 1.7 km
	Distance from closest harbour: 8.97 km
	Distance from closest river mouth: /
	Frequency of cleaning activities: Seasonal
Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Moderately clean
	Average number of items per 100 m stretch (± SD): 221 ± 149
	Median of items per 100 m stretch (± MAD): 175 ± 56
	Average number of items per m2 (± SD): 0.22 ± 0.15
	Median number of items per m2 stretch (± MAD): 0.17 ± 0.06

	CCI (Clean Coast Index): 5.7
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**09**
Location (coordinates)	45.131087, 12.325469 (approximately)
Location (name)	Rosolina beach (Italy)
Location characteristics	Semi urban area with no development behind the beach
	Prevailing winds: North-East
	Prevailing currents: South-East
	Primary area usage: Tourism and Recreation
	Secondary area usage: Aquaculture
	Distance from closest town: 1.8 km
	Distance from closest harbour: 6.12 km
	Distance from closest river mouth: 5.7 km
	Frequency of cleaning activities: Seasonal
Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Clean

	Average number of items per 100 m stretch (± SD): 192 ± 137
	Median of items per 100 m stretch (± MAD): 182 ± 155
	Average number of items per m2 (± SD): 0.19 ± 0.10
	Median number of items per m2 stretch (± MAD): 0.18 ± 0.15
	CCI (Clean Coast Index): 3.8
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**10**
Location (coordinates)	45.028101, 12.422817 (approximately)
Location (name)	Boccasette beach (Italy)
Location characteristics	Semi urban area with no development behind the beach
	Prevailing winds: North-East
	Prevailing currents: South-East
	Primary area usage: Tourism and Recreation
	Secondary area usage: Aquaculture
	Distance from closest town: 2.8 km
	Distance from closest harbour: 6.67 km
	Distance from closest river mouth: 2 km
	Frequency of cleaning activities: Seasonal

Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Moderately clean
	Average number of items per 100 m stretch (± SD): 375 ± 261
	Median of items per 100 m stretch (± MAD): 304 ± 114
	Average number of items per m2 (± SD): 0.38 ± 0.26
	Median number of items per m2 stretch (± MAD): 0.30 ± 0.11
	CCI (Clean Coast Index): 7.5
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**11**
Location (coordinates)	44.068813, 12.582939 (approximately)
Location (name)	Rimini beach (Italy)
Location characteristics	Urban area with no development behind the beach
	Prevailing winds: North-East
	Prevailing currents: South-East
	Primary area usage: Tourism and Recreation
	Secondary area usage: Aquaculture

	Distance from closest town: 0.3 km
	Distance from closest harbour: 0.4 km
	Distance from closest river mouth: /
	Frequency of cleaning activities: Monthly
Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Clean
	Average number of items per 100 m stretch (± SD): 106 ± 50
	Median of items per 100 m stretch (± MAD): 80 ± 0
	Average number of items per m2 (± SD): 0.11 ± 0.05
	Median number of items per m2 stretch (± MAD): 0.08 ± 0.00
	CCI (Clean Coast Index): 2.1
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**12**
Location (coordinates)	44.203440, 12.406808 (approximately)
Location (name)	Cesenatico beach (Italy)
Location characteristics	Semi urban area with no development behind the beach

	Prevailing winds: North-East
	Prevailing currents: South-East
	Primary area usage: Tourism and Recreation
	Secondary area usage: Aquaculture
	Distance from closest town: 0.6 km
	Distance from closest harbour: 1.2 km
	Distance from closest river mouth: 1.7 km
	Frequency of cleaning activities: Monthly
Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Moderately clean
	Average number of items per 100 m stretch (± SD): 255 ± 170
	Median of items per 100 m stretch (± MAD): 203 ± 297
	Average number of items per m2 (± SD): 0.26 ± 0.17
	Median number of items per m2 stretch (± MAD): 0.20 ± 0.30
	CCI (Clean Coast Index): 5.1
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	13
Location (coordinates)	44.362669, 12.324539 (approximately)
Location (name)	Foce Bevano beach (Italy)
Location characteristics	Remote natural area with no development behind the beach
	Prevailing winds: North-East
	Prevailing currents: South-East
	Primary area usage: /
	Secondary area usage: /
	Distance from closest town: 1 km
	Distance from closest harbour: 12 km
	Distance from closest river mouth: 0.2 km
	Frequency of cleaning activities: /
Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Dirty
	Average number of items per 100 m stretch (± SD): 549 ± 361
	Median of items per 100 m stretch (± MAD): 593 ± 425
	Average number of items per m2 (± SD): 0.55 ± 0.36
	Median number of items per m2 stretch (± MAD): 0.59 ± 0.43
	CCI (Clean Coast Index): 11
Project/Research	DeFishGear Project

	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**14**
Location (coordinates)	43.441342, 16.690193 (approximately)
Location (name)	Omiš beach (Croatia)
Location characteristics	Semi urban area with development behind the beach
	Prevailing winds: South-East
	Prevailing currents: South-East
	Primary area usage: Tourism and Recreation
	Secondary area usage: /
	Distance from closest town: 0.1 km
	Distance from closest harbour: 0 km
	Distance from closest river mouth: 0.43 km
	Frequency of cleaning activities: Seasonal
Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Clean
	Average number of items per 100 m stretch (± SD): 214.13
	Median of items per 100 m stretch (± MAD): 90 ± 2

	Average number of items per m2 (± SD): 0.21 ± 0.29
	Median number of items per m2 stretch (± MAD): 0.09 ± 0.00
	CCI (Clean Coast Index): 4.3
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**15**
Location (coordinates)	43.012465, 17.468441 (approximately)
Location (name)	Neretva river mouth
Location characteristics	Semi rural area with no development behind the beach
	Prevailing winds: South-East
	Prevailing currents: South-East
	Primary area usage: Tourism and Recreation
	Secondary area usage: Agriculture
	Distance from closest town: 3.5 km
	Distance from closest harbour: 3.5 km
	Distance from closest river mouth: 0.095 km
	Frequency of cleaning activities: Seasonal
Sampling type	Beach transect
Sampling date	2007 – 2013

Report Year	2017
Results	Cleanliness: Moderately clean
	Average number of items per 100 m stretch (± SD): 479 ± 435
	Median of items per 100 m stretch (± MAD): 291 ± 80
	Average number of items per m2 (± SD): 0.48 ± 0.43
	Median number of items per m2 stretch (± MAD): 0.28 ± 0.08
	CCI (Clean Coast Index): 9.6
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**16**
Location (coordinates)	42.696302, 17.741284 (approximately)
Location (name)	Saplunara beach (Mljet. Croatia)
Location characteristics	Semi rural area with no development behind the beach
	Prevailing winds: South-East
	Prevailing currents: South
	Primary area usage: Tourism and Recreation
	Secondary area usage: /
	Distance from closest town: 28 km
	Distance from closest harbour: 12 km

	Distance from closest river mouth: /
	Frequency of cleaning activities: Seasonal
Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Moderately clean
	Average number of items per 100 m stretch (± SD): 407 ± 469
	Median of items per 100 m stretch (± MAD): 218 ± 129
	Average number of items per m2 (± SD): 0.41 ± 0.47
	Median number of items per m2 stretch (± MAD): 0.22 ± 0.13
	CCI (Clean Coast Index): 8.2
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**17**
Location (coordinates)	43.032529, 16.228793 (approximately)
Location (name)	Zaglav beach (Vis. Croatia)
Location characteristics	Semi rural area with no development behind the beach
	Prevailing winds: South-East
	Prevailing currents: South

	Primary area usage: Tourism and Recreation
	Secondary area usage: /
	Distance from closest town: 9 km
	Distance from closest harbour: 9 km
	Distance from closest river mouth: /
	Frequency of cleaning activities: Seasonal
Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Very dirty
	Average number of items per 100 m stretch (± SD): 10.554 ± 3-
	Median of items per 100 m stretch (± MAD): 10.110 ± 4-
	Average number of items per m2 (± SD): 11 ± 3.9
	Median number of items per m2 stretch (± MAD): 10 ± 4.9
	CCI (Clean Coast Index): 211
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**18**
Location (coordinates)	42.925972, 17.611850 (approximately)

Location (name)	Zenit beach (Neum. Bosnia & Hercegovina)
Location characteristics	Semi urban area with development behind the beach
	Prevailing winds: North-East
	Prevailing currents: North
	Primary area usage: Tourism and Recreation
	Secondary area usage: /
	Distance from closest town: 0.620 km
	Distance from closest harbour: 20 km
	Distance from closest river mouth: 16.5 km
	Frequency of cleaning activities: Seasonal
Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Clean
	Average number of items per 100 m stretch (± SD): 158 ± 33
	Median of items per 100 m stretch (± MAD): 175 ± 3
	Average number of items per m2 (± SD): 0.16 ± 0.03
	Median number of items per m2 stretch (± MAD): 0.18 ± 0.03
	CCI (Clean Coast Index): 3.1
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.

Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**19**
Location (coordinates)	42.924962, 17.611450 (approximately)
Location (name)	Sunce beach (Neum. Bosnia & Hercegovina)
Location characteristics	Semi urban area with development behind the beach
	Prevailing winds: North-East
	Prevailing currents: North
	Primary area usage: Tourism and Recreation
	Secondary area usage: /
	Distance from closest town: 0.467 km
	Distance from closest harbour: 20 km
	Distance from closest river mouth: 16.5 km
	Frequency of cleaning activities: Seasonal
Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Clean
	Average number of items per 100 m stretch (± SD): 200
	Median of items per 100 m stretch (± MAD): /
	Average number of items per m2 (± SD): 0.20
	Median number of items per m2 stretch (± MAD): /

	CCI (Clean Coast Index): 4.0
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**20**
Location (coordinates)	41.862209, 19.416618 (approximately)
Location (name)	Velipoje beach (Albania)
Location characteristics	Semi urban area with development behind the beach
	Prevailing winds: South-West
	Prevailing currents: North
	Primary area usage: Tourism and Recreation
	Secondary area usage: Fisheries
	Distance from closest town: 32 km
	Distance from closest harbour: 30 km
	Distance from closest river mouth: 1 km
	Frequency of cleaning activities: Seasonal
Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Clean

	Average number of items per 100 m stretch (± SD): 204 ± 64
	Median of items per 100 m stretch (± MAD): 201 ± 10
	Average number of items per m2 (± SD): 0.20 ± 0.06
	Median number of items per m2 stretch (± MAD): 0.20 ± 0.01
	CCI (Clean Coast Index): 4.1
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**21**
Location (coordinates)	41.811883, 19.592316 (approximately)
Location (name)	Shengjin (Lezhe. Albania)
Location characteristics	Urban area with development behind the beach
	Prevailing winds: South-East
	Prevailing currents: West
	Primary area usage: Tourism and Recreation
	Secondary area usage: Fisheries
	Distance from closest town: 8 km
	Distance from closest harbour: 1 km
	Distance from closest river mouth: /
	Frequency of cleaning activities: Seasonal

Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Clean
	Average number of items per 100 m stretch (± SD): 156 ± 80
	Median of items per 100 m stretch (± MAD): 173 ± 55
	Average number of items per m2 (± SD): 0.16 ± 0.08
	Median number of items per m2 stretch (± MAD): 0.17 ± 0.05
	CCI (Clean Coast Index): 3.1
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**22**
Location (coordinates)	41.302594, 19.492924 (approximately)
Location (name)	Plepa (Durres. Albania)
Location characteristics	Semi urban area with development behind the beach
	Prevailing winds: North
	Prevailing currents: North-West
	Primary area usage: Tourism and Recreation
	Secondary area usage: Fisheries

	Distance from closest town: 6 km
	Distance from closest harbour: 4 km
	Distance from closest river mouth: /
	Frequency of cleaning activities: Seasonal
Sampling type	Beach transect
Sampling date	2007 – 2013
Report Year	2017
Results	Cleanliness: Moderately clean
	Average number of items per 100 m stretch (± SD): 297 ± 275
	Median of items per 100 m stretch (± MAD): 190 ± 78
	Average number of items per m2 (± SD): 0.30 ± 0.28
	Median number of items per m2 stretch (± MAD): 0.19 ± 0.08
	CCI (Clean Coast Index): 5.9
Project/Research	DeFishGear Project
	Vlachogianni, Thomais, et al. "Marine litter on the beaches of the Adriatic and Ionian Seas: An assessment of their abundance. composition and sources." Marine pollution bulletin 131 (2018): 745-756.
Source (link)	https://doi.org/10.1016/j.marpolbul.2018.05.006

Location (number)	**23**
Location (coordinates)	42.919442, 17.610545 (approximately)
Location (name)	Neum 1 (Bosnia & Hercegovina)
Location characteristics	/

Sampling type	Scuba/snorkelling survey
Sampling date	2014/2015
Report Year	2017
Results	Average number of items found per 100 m^2: 7.25 (SD=4.75)
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**24**
Location (coordinates)	42.919442, 17.610545 (approximately)
Location (name)	Neum 2 (Bosnia & Hercegovina)
Location characteristics	/
Sampling type	Scuba/snorkelling survey
Sampling date	2014/2015
Report Year	2017
Results	Average number of items found per 100 m^2: 5 (SD=2.83)
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**25**

Location (coordinates)	42.494752, 18.677430 (approximately)
Location (name)	Kostanjica (Montenegro)
Location characteristics	/
Sampling type	Scuba/snorkelling survey
Sampling date	2014/2015
Report Year	2017
Results	Average number of items found per 100 m^2: 4.56 (SD=2.13)
Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**26**
Location (coordinates)	42.503736, 18.670941 (approximately)
Location (name)	Strp (Montenegro)
Location characteristics	/
Sampling type	Scuba/snorkelling survey
Sampling date	2014/2015
Report Year	2017
Results	Average number of items found per 100 m^2: 3.16 (SD=0.51)
Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)

Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**27**
Location (coordinates)	42.200171, 18.937252 (approximately)
Location (name)	Sv. Nedelja (Montenegro)
Location characteristics	/
Sampling type	Scuba/snorkelling survey
Sampling date	2014/2015
Report Year	2017
Results	Average number of items found per 100 m^2: 6.13 (SD=3.09)
Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**28**
Location (coordinates)	45.591180, 13.700499 (approximately)
Location (name)	Debeli rtič (Slovenia)
Location characteristics	/
Sampling type	Scuba/snorkelling survey
Sampling date	2014/2015
Report Year	2017

Results	Average number of items found per 100 m^2: 0.41 (SD=0.43)
Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**29**
Location (coordinates)	45.497919, 13.567776 (approximately)
Location (name)	Dragonja (Slovenia)
Location characteristics	/
Sampling type	Scuba/snorkelling survey
Sampling date	2014/2015
Report Year	2017
Results	Average number of items found per 100 m^2: 0.06 (SD=0.07)
Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**30**
Location (coordinates)	45.551923, 13.716306 (approximately)
Location (name)	Koper (Slovenia)

Location characteristics	/
Sampling type	Scuba/snorkelling survey
Sampling date	2014/2015
Report Year	2017
Results	Average number of items found per 100 m^2: 2.50 (SD=5.00)
Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**31**
Location (coordinates)	45.509714, 13.582574 (approximately)
Location (name)	Portorož (Slovenia)
Location characteristics	/
Sampling type	Scuba/snorkelling survey
Sampling date	2014/2015
Report Year	2017
Results	Average number of items found per 100 m^2: 0.28 (SD=0.26)
Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	32
Location (coordinates)	45.555580, 13.680183 (approximately)
Location (name)	Semedela (Slovenia)
Location characteristics	/
Sampling type	Scuba/snorkelling survey
Sampling date	2014/2015
Report Year	2017
Results	Average number of items found per 100 m^2: 0.16 (SD=0.21)
Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	33
Location (coordinates)	/
Location (name)	Slovenian waters
Location characteristics	/
Sampling type	Scuba/snorkelling survey
Sampling date	2014/2015
Report Year	2017
Results	Average number of items found per km2: 110 (SD=110)
	Average kg per km2: 8 (SD=9)
Project/Research	DeFishGear Project

	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**34**
Location (coordinates)	42.641636, 18.072747 (approximately)
Location (name)	Dubrovnik (Croatia)
Location characteristics	/
Sampling type	Bottom trawl surveys
Sampling date	2014/2015
Report Year	2017
Results	Average number of items found per km^2: 798 (SD=497)
	Average kg per km^2: 19 (SD=12)
Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**35**
Location (coordinates)	43.168632, 16.436057 (approximately)
Location (name)	Hvar (Croatia)
Location characteristics	/
Sampling type	Bottom trawl surveys

Sampling date	2014/2015
Report Year	2017
Results	Average number of items found per km^2: 552 (SD=202)
	Average kg per km^2: 33 (SD=16)
Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**36**
Location (coordinates)	44.089034, 12.601610 (approximately)
Location (name)	Rimini offshore (Italy)
Location characteristics	/
Sampling type	Bottom trawl surveys
Sampling date	2014/2015
Report Year	2017
Results	Average number of items found per km^2: 127 (SD=9)
	Average kg per km^2: 15 (SD=20)
Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	37
Location (coordinates)	41.234058, 13.586014 (approximately)
Location (name)	Savio offshore (Italy)
Location characteristics	/
Sampling type	Bottom trawl surveys
Sampling date	2014/2015
Report Year	2017
Results	Average number of items found per km^2: 79 (SD=13)
	Average kg per km^2: 3 (SD=2)
Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	38
Location (coordinates)	45.410075, 12.301418 (approximately)
Location (name)	Western Gulf of Venice S (Italy)
Location characteristics	/
Sampling type	Bottom trawl surveys
Sampling date	2014/2015
Report Year	2017
Results	Average number of items found per km^2: 1,023 (SD=616)
	Average kg per km^2: 339 (SD=910)

Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**39**
Location (coordinates)	45.410075, 12.301418 (approximately)
Location (name)	Western Gulf of Venice N (Italy)
Location characteristics	/
Sampling type	Bottom trawl surveys
Sampling date	2014/2015
Report Year	2017
Results	Average number of items found per km^2: 212 (SD=99)
	Average kg per km^2: 11 (SD=17)
Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**40**
Location (coordinates)	/
Location (name)	Montenegrin waters (Italy)
Location characteristics	/

Sampling type	Bottom trawl surveys
Sampling date	2014/2015
Report Year	2017
Results	Average number of items found per km^2: 200 (SD=242)
	Average kg per km^2: 53 (SD=138)
Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

1.2 Microplastic in the Adriatic Sea

Location (number)	41
Location (coordinates)	41.28047, 19.45008 (start point) - 41.26512, 19.44717 (stop point)
Location (name)	Albania 1
Location characteristics	Average speed: 2.1 kn Transect length: 1.438 nmi
Sampling type	Sea surface survey
Sampling date	25/1/2016
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈250,000
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	42
Location (coordinates)	41.27024, 19.42067 (start point) - 41.23242, 19.40809 (stop point)
Location (name)	Albania 2
Location characteristics	Average speed: 2.2 kn Transect length: 1.563 nmi
Sampling type	Sea surface survey
Sampling date	25/1/2016
Report Year	2016

Results	Average microplastic concetration (items/km2): ≈ 150,000
Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**43**
Location (coordinates)	41.27192, 19.36139 (start point) - 41.25174, 19.35419 (stop point)
Location (name)	Albania 3
Location characteristics	Average speed: 2.1 kn Transect length: 1.750 nmi
Sampling type	Sea surface survey
Sampling date	25/1/2016
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 150,000
Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**44**
Location (coordinates)	41.25058, 19.36758 (start point) - 41.26987, 19.36982 (stop point)
Location (name)	Albania 4

Location characteristics	Average speed: 2.4 kn Transect length: 1.750 nmi
Sampling type	Sea surface survey
Sampling date	25/1/2016
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 120,000
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**45**
Location (coordinates)	41.26019, 19.37624 (start point) - 41.28166, 19.37727 (stop point)
Location (name)	Albania 5
Location characteristics	Average speed: 2.1 kn Transect length: 1.438 nmi
Sampling type	Sea surface survey
Sampling date	25/1/2016
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 70,000
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	46
Location (coordinates)	42°43`17.24``, 17°36`22.41`` (start point) – 42°55`31.34``, 17°36`1.01`` (stop point)
Location (name)	Neum 1 (Bosnia & Hercegovina)
Location characteristics	Average speed: 2.4 kn Transect length: 2.33 km
Sampling type	Sea surface survey
Sampling date	December 2014
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 170
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	47
Location (coordinates)	42°55`31.34``, 17°36`1.01`` (start point) – 42°55`45.68``, 17°35`43.22`` (stop point)
Location (name)	Neum 2 (Bosnia & Hercegovina)
Location characteristics	Average speed: 2.8 kn Transect length: 2.45 km
Sampling type	Sea surface survey
Sampling date	December 2014

Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 170
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**48**
Location (coordinates)	42° 55.977'N, 17° 34.583'E (start point) – 42° 55.594'N, 17° 35.666'E (stop point)
Location (name)	Neum 3 (Bosnia & Hercegovina)
Location characteristics	Average speed: 2.4 kn Transect length: 2.33 km
Sampling type	Sea surface survey
Sampling date	December 2015
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 200
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**49**
Location (coordinates)	42° 55.039'N, 17° 36.268'E (start point) –

	42° 55.513'N, 17° 36.495'E (stop point)
Location (name)	Neum 4 (Bosnia & Hercegovina)
Location characteristics	Average speed: 2.8 kn Transect length: 2.50 km
Sampling type	Sea surface survey
Sampling date	December 2015
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 200
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**50**
Location (coordinates)	43°29'12.77", 16°28'22.69" (start point) – 43°27'45.46", 16°30'56.57" (stop point)
Location (name)	Split 1 (Croatia)
Location characteristics	Average speed: 2.7 kn Transect length: 2.45 nmi Sea state (0-9 B): 0 Wind velocity (1-12 B): 0 Wind direction (°): /
Sampling type	Sea surface survey
Sampling date	19/12/2014

Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 450.000
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**51**
Location (coordinates)	43°27'51.70", 16°21'51.37" (start point) – 43°24'38.07", 16°22'8.70" (stop point)
Location (name)	Split 2 (Croatia)
Location characteristics	Average speed: 2.5 kn Transect length: 3.34 nmi Sea state (0-9 B): 0 Wind velocity (1-12 B): 0 Wind direction (°): /
Sampling type	Sea surface survey
Sampling date	19/12/2014
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 0
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	52
Location (coordinates)	43°11'5.06", 16°14'46.47" (start point) – 43°12'1.36", 16°17'53.79" (stop point)
Location (name)	Split 3 (Croatia)
Location characteristics	Average speed: 2.4 kn Transect length: 2.31 nmi Sea state (0-9 B): 1 Wind velocity (1-12 B): 1 Wind direction (°): North
Sampling type	Sea surface survey
Sampling date	24/10/2014
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 150,000
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	53
Location (coordinates)	43°12'25.11", 16° 6'18.00" (start point) – 43°10'4.58", 16° 9'33.62" (stop point)
Location (name)	Split 4 (Croatia)
Location characteristics	Average speed: 3 kn Transect length: 3.22 nmi Sea state (0-9 B): 1

	Wind velocity (1-12 B): 2 Wind direction (°): North
Sampling type	Sea surface survey
Sampling date	24/10/2014
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 50,000
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**54**
Location (coordinates)	43° 2'23.04", 16° 4'39.42" (start point) – 42°59'33.65", 16° 1'26.47" (stop point)
Location (name)	Split 5 (Croatia)
Location characteristics	Average speed: 3 kn Transect length: 3.79 nmi Sea state (0-9 B): 1 Wind velocity (1-12 B): 1 Wind direction (°): North
Sampling type	Sea surface survey
Sampling date	19/12/2014
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 18,000

Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**55**
Location (coordinates)	44°39.755, 12°15.561 (start point) – 44°38.088, 12°16.513 (stop point)
Location (name)	Porto Garibaldi 1 (Italy)
Location characteristics	Average speed: / Transect length: 1.8 nmi Sea state (0-9 B): 2 Wind velocity (1-12 B): 2 Wind direction (°): South-West
Sampling type	Sea surface survey
Sampling date	17/10/2014
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 20,000
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**56**

Location (coordinates)	44°39.379, 12°17.563 (start point) – 44°39.284, 12°16.012 (stop point)
Location (name)	Porto Garibaldi 2 (Italy)
Location characteristics	Average speed: / Transect length: 1.1 nmi Sea state (0-9 B): 2 Wind velocity (1-12 B): 2 Wind direction (°): South-West
Sampling type	Sea surface survey
Sampling date	17/10/2014
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 5,000
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**57**
Location (coordinates)	44°38.983, 12°22.756 (start point) – 44°38.207, 12°21.598 (stop point)
Location (name)	Porto Garibaldi 3 (Italy)
Location characteristics	Average speed: / Transect length: 1.12 nmi Sea state (0-9 B): 3 Wind velocity (1-12 B): 2

	Wind direction (°): South-West
Sampling type	Sea surface survey
Sampling date	17/10/2014
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 10,000
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**58**
Location (coordinates)	44°37.954, 12°29.914 (start point) – 44°37.030, 12°29.515 (stop point)
Location (name)	Porto Garibaldi 4 (Italy)
Location characteristics	Average speed: / Transect length: 0.96 nmi Sea state (0-9 B): 3 Wind velocity (1-12 B): 2 Wind direction (°): South-West
Sampling type	Sea surface survey
Sampling date	17/10/2014
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 110,000
Project/Research	DeFishGear Project

	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**59**
Location (coordinates)	44°12.773, 12°24.418 (start point) – 44°13.192, 12°26.000 (stop point)
Location (name)	Cesenatico 1 (Italy)
Location characteristics	Average speed: / Transect length: 1.21 nmi Sea state (0-9 B): 2 Wind velocity (1-12 B): 2 Wind direction (°): North-North-West
Sampling type	Sea surface survey
Sampling date	16/10/2014
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 80,000
Project/Research	DeFishGear Project
	MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**60**
Location (coordinates)	44°13.292, 12°25.967 (start point) – 44°13.966, 12°27.425 (stop point)

Location (name)	Cesenatico 2 (Italy)
Location characteristics	Average speed: / Transect length: 1.27nmi Sea state (0-9 B): 2 Wind velocity (1-12 B): 1 Wind direction (°): North-West
Sampling type	Sea surface survey
Sampling date	16/10/2014
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 110,000
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**61**
Location (coordinates)	44°14.849, 12°30.613 (start point) – 44°14.868, 12°32.303 (stop point)
Location (name)	Cesenatico 3 (Italy)
Location characteristics	Average speed: / Transect length: 1.2 nmi Sea state (0-9 B): 3 Wind velocity (1-12 B): 0 Wind direction (°): North-West
Sampling type	Sea surface survey

Sampling date	16/10/2014
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 100,000
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**62**
Location (coordinates)	44°16.969, 12°37.467 (start point) – 44°15.559, 12°37.441 (stop point)
Location (name)	Cesenatico 4 (Italy)
Location characteristics	Average speed: / Transect length: 1.45 nmi Sea state (0-9 B): 3 Wind velocity (1-12 B): 2 Wind direction (°): South-West
Sampling type	Sea surface survey
Sampling date	16/10/2014
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 58,000
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)

Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**63**
Location (coordinates)	45°32`59.3``, 13°33`28.6`` (start point) – 45°32`95.5``, 13°34`97.2`` (stop point)
Location (name)	Slovenia 1
Location characteristics	Average speed: 2,5 Transect length: 1,295 nmi
Sampling type	Sea surface survey
Sampling date	25/8/2014
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 230,000
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**64**
Location (coordinates)	45°33`35.2``, 13°36`84.9`` (start point) – 45°33`42.2``, 13°38`62.3`` (stop point)
Location (name)	Slovenia 2
Location characteristics	Average speed: 2,5 Transect length: 1,242 nmi
Sampling type	Sea surface survey

Sampling date	25/8/2014
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 320,000
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**65**
Location (coordinates)	45°33`46.3``, 13°40`45.6`` (start point) – 45°33`51.9``, 13°42`22.8`` (stop point)
Location (name)	Slovenia 3
Location characteristics	Average speed: 2,5 Transect length: 1,249 nmi
Sampling type	Sea surface survey
Sampling date	25/8/2014
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 230,000
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)	**66**

Location (coordinates)	45°29`88.7``, 13°33`58.6`` (start point) – 45°30`74.6``, 13°32`22.7`` (stop point)
Location (name)	Slovenia 4
Location characteristics	Average speed: 2,5 Transect length: 1,246 nmi
Sampling type	Sea surface survey
Sampling date	25/8/2014
Report Year	2016
Results	Average microplastic concetration (items/km2): ≈ 320,000
Project/Research	DeFishGear Project MARINE LITTER ASSESSMENT IN THE ADRIATIC & IONIAN SEAS (Deliverable)
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)		67				
Location (name)		Bačvice beach Split (Croatia)				
Sampling type		Beach sediment				
Sampling date		25/09/2014				
Sampling (quadrant)		1st quadrant	2nd quadrant	3th quadrant	4th quadrant	5th quadrant
GPS coordinates	Lat (X)	43°30'7.99"N	43°30'8.21"N	43°30'8.21"N	43°30'8.30"N	43°30'8.41"N
	Lon (Y)	16°26'47.82"E	16°26'48.34"E	16°26'48.71"E	16°26'49.22"E	16°26'49.59"E
Volume of sediment sampled		1100	950	950	1200	1000
LMP (1-5 mm) average value of all quadrants		≈ 30 items/kg of sediment				
SMP (< 1mm) average value of all quadrants		≈ 100 items/kg of sediment				
Project/Research		DeFishGear Project				

	Pilot assessment on microplastic in sea surface and beach sediment potential accumulation zones
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)		68				
Location (name)		Bačvice beach Split (Croatia)				
Sampling type		Beach sediment				
Sampling date		23/12/2014				
Sampling (quadrant)		1st quadrant	2nd quadrant	3th quadrant	4th quadrant	5th quadrant
GPS coordinates	Lat (X)	43°30'8.21"N	43°30'8.27"N	43°30'8.40"N	43°30'8.49"N	43°30'8.61"N
	Lon (Y)	16°26'47.79"E	16°26'48.15"E	16°26'48.55"E	16°26'48.95"E	16°26'49.43"E
Volume of sediment sampled		850	950	1100	1000	1000
LMP (1-5 mm) average value of all quadrants		≈ 25 items/kg of sediment				
SMP (< 1mm) average value of all quadrants		≈ 225 items/kg of sediment				
Project/Research		DeFishGear Project				
		Pilot assessment on microplastic in sea surface and beach sediment potential accumulation zones				
Source (link)		http://www.defishgear.net/media-items/publications				

Location (number)		**69**				
Location (name)		Zaglav beach (Croatia)				
Sampling type		Beach sediment				
Sampling date		31/07/2014				
Sampling (quadrant)		1st quadrant	2nd quadrant	3th quadrant	4th quadrant	5th quadrant
GPS coordinates	Lat (X)	43°1'59.09"N	43°1'58.84"N	43°1'58.51"N	43°1'58.06"N	43°1'57.58"N
	Lon (Y)	16°13'42.25"E	16°13'42.20"E	16°13'42.21"E	16°13'42.32"E	16°13'42.32"E
Volume of sediment sampled		850	900	750	1000	900
LMP (1-5 mm) average value of all quadrants		≈ 200 items/kg of sediment				
SMP (< 1mm) average value of all quadrants		≈ 0 items/kg of sediment				

Project/Research	DeFishGear Project
	Pilot assessment on microplastic in sea surface and beach sediment potential accumulation zones
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)		**70**				
Location (name)		Zaglav beach (Croatia)				
Sampling type		Beach sediment				
Sampling date		31/10/2014				
Sampling (quadrant)		1st quadrant	2nd quadrant	3th quadrant	4th quadrant	5th quadrant
GPS coordinates	Lat (X)	43° 1'58.90"N	43° 1'58.49"N	43° 1'57.88"N	43° 1'57.33"N	43° 1'56.66"N
	Lon (Y)	16°13'42.38"E	16°13'42.43"E	16°13'42.65"E	16°13'42.95"E	16°13'43.38"E
Volume of sediment sampled		750	1100	950	1000	1000
LMP (1-5 mm) average value of all quadrants		≈ 1200 items/kg of sediment				
SMP (< 1mm) average value of all quadrants		≈ 160 items/kg of sediment				
Project/Research		DeFishGear Project				
		Pilot assessment on microplastic in sea surface and beach sediment potential accumulation zones				
Source (link)		http://www.defishgear.net/media-items/publications				

Location (number)		**71**				
Location (name)		Neretva outflow (Croatia)				
Sampling type		Beach sediment				
Sampling date		25/10/2014				
Sampling (quadrant)		1st quadrant	2nd quadrant	3th quadrant	4th quadrant	5th quadrant
GPS coordinates	Lat (X)	43° 1'8.36"	43° 1'8.18"	43° 1'8.05"	43° 1'8.09"	43° 1'8.10"
	Lon (Y)	17°26'43.89"	17°26'44.08"	17°26'44.48"	17°26'44.92"	17°26'45.43"
Volume of sediment sampled		2000	1400	1200	1650	1000
LMP (1-5 mm) average value of all quadrants		≈ 18 items/kg of sediment				

SMP (< 1mm) average value of all quadrants	≈ 155 items/kg of sediment
Project/Research	DeFishGear Project
	Pilot assessment on microplastic in sea surface and beach sediment potential accumulation zones
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)		**72**				
Location (name)		Cesenatico beach (Italy)				
Sampling type		Beach sediment				
Sampling date		August 2014				
Sampling (quadrant)		1st quadrant	2nd quadrant	3th quadrant	4th quadrant	5th quadrant
GPS coordinates	Lat (X)	44.12386	44.1239	44.1239	44.12385	44.12387
	Lon (Y)	12.24019	12.24018	12.24024	12.24028	12.24011
Volume of sediment sampled		?	?	?	?	?
LMP (1-5 mm) average value of all quadrants		≈ 0 items/kg of sediment				
SMP (< 1mm) average value of all quadrants		≈ 2500 items/kg of sediment				
Project/Research		DeFishGear Project				
		Pilot assessment on microplastic in sea surface and beach sediment potential accumulation zones				
Source (link)		http://www.defishgear.net/media-items/publications				

Location (number)		**73**				
Location (name)		Cesenatico beach (Italy)				
Sampling type		Beach sediment				
Sampling date		November 2014				
Sampling (quadrant)		1st quadrant	2nd quadrant	3th quadrant	4th quadrant	5th quadrant
GPS coordinates	Lat (X)	44.12386	44.1239	44.1239	44.12385	44.12387
	Lon (Y)	12.24019	12.24018	12.24024	12.24028	12.24011
Volume of sediment sampled		?	?	?	?	?

LMP (1-5 mm) average value of all quadrants	≈ 0 items/kg of sediment
SMP (< 1mm) average value of all quadrants	≈ 900 items/kg of sediment
Project/Research	DeFishGear Project
	Pilot assessment on microplastic in sea surface and beach sediment potential accumulation zones
Source (link)	http://www.defishgear.net/media-items/publications

Location (number)		**74**		
Location (name)		Lazaret beach (Slovenia)		
Sampling type		Beach sediment		
Sampling date		September 2014		
Sampling (quadrant)		1st quadrant	2nd quadrant	3th quadrant
GPS coordinates	Lat (X)	45°35´26.5˝	45°35´26.5˝	45°35´26.5˝
	Lon (Y)	13°43´10.1˝	13°43´10.1˝	13°43´10.1˝
Volume of sediment sampled		5	5.2	5.3
LMP (1-5 mm) average value of all quadrants		≈ 680 items/kg of sediment		
SMP (< 1mm) average value of all quadrants		≈ 820 items/kg of sediment		
Project/Research		DeFishGear Project		
		Pilot assessment on microplastic in sea surface and beach sediment potential accumulation zones		
Source (link)		http://www.defishgear.net/media-items/publications		

Location (number)		**75**		
Location (name)		Lazaret beach (Slovenia)		
Sampling type		Beach sediment		
Sampling date		January 2015		
Sampling (quadrant)		1st quadrant	2nd quadrant	3th quadrant
GPS coordinates	Lat (X)	45°35´26.5˝	45°35´26.5˝	45°35´26.5˝
	Lon (Y)	13°43´10.1˝	13°43´10.1˝	13°43´10.1˝

Volume of sediment sampled	5	5.2	5.3
LMP (1-5 mm) average value of all quadrants	≈ 380items/kg of sediment		
SMP (< 1mm) average value of all quadrants	≈ 400 items/kg of sediment		
Project/Research	DeFishGear Project		
	Pilot assessment on microplastic in sea surface and beach sediment potential accumulation zones		
Source (link)	http://www.defishgear.net/media-items/publications		

Location (number)		**76**		
Location (name)		Drin and Lumi river outflows (Albania)		
Sampling type		Manta net sampling		
Sampling date		26/01/2016	27/01/2016	28/01/2016
Start point	Lat (X)	41.28429	41.2846	41.77566
	Lon (Y)	19.50663	19.49961	19.59903
Stop point	Lat (X)	41.28302	41.27603	41.76911
	Lon (Y)	19.50725	19.5015	19.5932
Average speed (kn)		2.2	2.4	2.6
Transect length (nmi)		1.438	1.313	1.563
Average concentration		≈ 1,900,000 items/km2	≈ 1,700,000 items/km2	≈ 2,000,000 items/km2
Project/Research		DeFishGear Project		
		Pilot assessment on microplastic in rivers		
Source (link)		http://www.defishgear.net/media-items/publications		

Location (number)		**77**				
Location (name)		Neretva river outflow (Croatia)				
Sampling type		Manta net sampling				
Sampling date		25/10/2014				
Start point	Lat (X)	43° 2'10.51"	43° 1'37.31"	43° 1'30.31"	43° 1'14.49"	43° 1'9.77"
	Lon (Y)	17°26'31.15"	17°26'28.63"	17°25'56.07"	17°26'35.59"	17°26'39.54"
Stop point	Lat (X)	43° 1'39.25"	43° 1'29.91"	43° 1'12.10"	43° 1'25.48"	43° 0'56.42"
	Lon (Y)	17°26'30.34"	17°26'4.48"	17°26'35.63"	17°26'12.54"	17°26'12.46"

Sea state (0-9 B)	0	0	0	0	0
Wind velocity (1-12 B)	1	1	1	1	1
Wind direction (°)	North-East	North-East	North-East	North-East	North-East
Average speed (kn)	2	2	2	2	2
Transect length (nmi)	0.57	0.46	0.57	0.58	0.58
Average concentration	≈ 350,000 items/km2	≈ 200,000 items/km2	≈ 150,000 items/km2	≈ 135,000 items/km2	≈ 30,000 items/km2
Project/Research	DeFishGear Project				
	Pilot assessment on microplastic in rivers				
Source (link)	http://www.defishgear.net/media-items/publications				

Location (number)		**78**		
Location (name)		Po river outflow (Italy)		
Sampling type		Manta net sampling		
Sampling date		12/12/2014		
Start point	Lat (X)	44°45.143	44°45.459	44°45.151
	Lon (Y)	12°15.480	12°17.374	12°22.681
Stop point	Lat (X)	44°46.363	44°45.480	44°44.965
	Lon (Y)	12°16.850	12°19.255	12°25.537
Sea state (0-9 B)		1	1	2
Wind velocity (1-12 B)		1	1	2
Wind direction (°)		North-West	North-West	North-West
Average speed (kn)		/	/	/
Transect length (nmi)		0.98	0.62	2.06
Average concentration		≈ 40,000 items/km2	≈ 60,000 items/km2	≈ 0 items/km2
Project/Research		DeFishGear Project		
		Pilot assessment on microplastic in rivers		
Source (link)		http://www.defishgear.net/media-items/publications		

Location (number)	**79**

Location (name)		Po river outflow (Italy)		
Sampling type		Manta net sampling		
Sampling date		22/04/2015		
Start point	Lat (X)	44°45.350	44°45.784	44°45.747
	Lon (Y)	12°15.593	12°17.143	12°22.489
Stop point	Lat (X)	44°44.137	44°45.386	44°44.838
	Lon (Y)	12°15.289	12°18.980	12°25.948
Sea state (0-9 B)		0	2	2
Wind velocity (1-12 B)		0	2	2
Wind direction (°)		/	North-West	North-West
Average speed (kn)		3.8	4.1	4.2
Transect length (nmi)		2.3	2.5	2.5
Average concentration		≈ 120,000 items/km2	≈ 100,000 items/km2	≈ 735,000 items/km2
Project/Research		DeFishGear Project		
		Pilot assessment on microplastic in rivers		
Source (link)		http://www.defishgear.net/media-items/publications		

Location (number)		**80**	
Location (name)		Dragonja river outflow (Slovenia)	
Sampling type		Manta net sampling	
Sampling date		25/08/2014	
Start point	Lat (X)	45°30`29.0``	45°28`87.8``
	Lon (Y)	13°35`15.8``	13°34`85.1``
Stop point	Lat (X)	45°29`08.8``	45°29`87.8``
	Lon (Y)	13°34`60.3``	13°33`70.0``
Average speed (kn)		2,7	2,5
Transect length (nmi)		1,415	1,289
Average concentration		≈ 200,000 items/km2	≈ 225,000 items/km2
Project/Research		DeFishGear Project	
		Pilot assessment on microplastic in rivers	
Source (link)		http://www.defishgear.net/media-items/publications	

Location (number)		81	
Location (name)		Neum (Croatia)	
Sampling type		Sea surface survey	
Sampling date		30/05/2015	31/05/2015
Start point	Lat (X)	42°43`17.24``	42°55`31.34``
	Lon (Y)	17°36`22.41``	17°36`1.01``
Stop point	Lat (X)	42°55`31.34``	42°55`45.68``
	Lon (Y)	17°36`1.01``	17°35`43.22``
Average speed (kn)		2.4	2.4
Transect length (km)		2.33	2.36
Average concentration		≈175 items/km2	≈ 50 items/km2
Project/Research		DeFishGear Project	
		Pilot assessment on fishing areas	
Source (link)		http://www.defishgear.net/media-items/publications	

Location (number)		82				
Location (name)		Split (Croatia)				
Sampling type		Sea surface survey				
Sampling date		03/06/2015				
Start point	Lat (X)	43°10'30.72"	43°27'41.55"	43°18'46.34"	43°29'5.50"	43° 2'1.72"
	Lon (Y)	16° 6'45.05"	16°22'23.92"	16°11'52.61"	16°29'13.99"	16° 4'51.72"
Stop point	Lat (X)	43° 7'47.81"	43°24'57.45"	43°16'55.70"	43°27'49.61"	42°59'48.77"
	Lon (Y)	16° 8'25.36"	16°21'0.15"	16° 9'6.59"	16°31'56.95"	16° 0'40.60"
Sea state (0-9 B)		0	0	0	0	0
Wind velocity (1-12 B)		1	1	1	1	1
Wind direction (°)		North-East	North-East	North-East	North-East	North-East
Average speed (kn)		3	3	2.9	2.7	2.6
Transect length (nmi)		2.7	2.53	3.35	2.81	2.7
Average concentration		≈ 17,000 items/km2	≈ 17,000 items/km2	≈ 16,000 items/km2	≈ 14,000 items/km2	≈ 11,000 items/km2
Project/Research		DeFishGear Project				
		Pilot assessment on fishing areas				
Source (link)		http://www.defishgear.net/media-items/publications				

Location (number)		83			
Location (name)		Cesenatico (Italy)			
Sampling type		Sea surface survey			
Sampling date		23/04/2015			
Start point	Lat (X)	44°12.777	44°13.275	44°14.874	44°17.059
	Lon (Y)	12°24.189	12°25.862	12°30.672	12°37.399
Stop point	Lat (X)	44°13.680	44°12.330	44°15.107	44°17.705
	Lon (Y)	12°23.417	12°26.478	12°28.939	12°36.271
Sea state (0-9 B)		2	2	0	2
Wind velocity (1-12 B)		2	2	0	2
Wind direction (°)		North-North-West	North	/	South/South-West
Average speed (kn)		?	4.1	3.8	3.9
Transect length (nmi)		1.21	1.97	1.95	2.3
Average concentration		≈ 500,000 items/km2	≈ 0 items/km2	≈ 3,200,000 items/km2	≈ 0 items/km2
Project/Research		DeFishGear Project			
		Pilot assessment on fishing areas			
Source (link)		http://www.defishgear.net/media-items/publications			

Location (number)		84			
Location (name)		Porto Garibaldi (Italy)			
Sampling type		Sea surface survey			
Sampling date		14/05/2015			
Start point	Lat (X)	44°39.558	44°39.327	44°38.720	44°37.510
	Lon (Y)	12°15.492	12°17.410	12°22.576	12°28.500
Stop point	Lat (X)	44°38.474	44°38.296	44°37.794	44°37.351
	Lon (Y)	12°16.286	12°17.039	12°23.519	12°29.750
Sea state (0-9 B)		2	2	1	2
Wind velocity (1-12 B)		2	2	1	2
Wind direction (°)		South-West	North-East	North-East	North-West
Average speed (kn)			4.2 knots	4.2 knots	3.4 knots
Transect length (nmi)		1.8	2.3	2	2.1

Average concentration		≈ 415,000 items/km2	≈ 80,000 items/km2	≈ 10,000 items/km2	≈ 0 items/km2
Project/Research		DeFishGear Project			
		Pilot assessment on fishing areas			
Source (link)		http://www.defishgear.net/media-items/publications			

Location (number)		**85**			
Location (name)		Slovenia			
Sampling type		Sea surface survey			
Sampling date		11/05/2015			
Start point	Lat (X)	45°29`88.7``	45°32`689	45°33`35.2``	45°33`46.3``
	Lon (Y)	13°33`58.6``	13°33`160	13°36`84.9``	13°40`45.6``
Stop point	Lat (X)	45°30`74.6``	45°32`993	45°33`42.2``	45°33`51.9``
	Lon (Y)	13°32`22.7``	13°34`950	13°38`62.3``	13°42`22.8``
Average speed (kn)		2.5	2.1	2.5	3
Transect length (nmi)		1.242	1.295	1.242	1.249
Average concentration		≈ 2,350,000 items/km2	≈ 1,000,000 items/km2	≈ 850,000 items/km2	≈1,200,000 items/km2
Project/Research		DeFishGear Project			
		Pilot assessment on fishing areas			
Source (link)		http://www.defishgear.net/media-items/publications			

2 Supplementary literature

For further research related to MP in the Adriatic Sea supplementary literature is listed below:

- Liubartseva, S., Coppini, G., Lecci, R., & Creti, S. (2016). Regional approach to modeling the transport of floating plastic debris in the Adriatic Sea. *Marine pollution bulletin*, *103*(1-2), 115-127.
- Arcangeli, A., Campana, I., Angeletti, D., Atzori, F., Azzolin, M., Carosso, L., ... & Paraboschi, M. (2018). Amount, composition, and spatial distribution of floating macro litter along fixed trans-border transects in the Mediterranean basin. Marine pollution bulletin, 129(2), 545-554.
- Carlson, D. F., Suaria, G., Aliani, S., Fredj, E., Fortibuoni, T., Griffa, A., ... & Melli, V. (2017). Combining litter observations with a regional ocean model to identify sources and sinks of floating debris in a semi-enclosed basin: the Adriatic Sea. Frontiers in Marine Science, 4, 78.