

MarinE litter transnational LegislaTion EnhanceMent and Improvement

INTERREG V-B "BALKAN-MEDITERRANEAN 2014-2020", PRIORITY AXIS 2, SPECIFIC OBJECTIVE 2.3 - DELIVERY ON ENVIRONMENTAL LEGAL FRAMEWORK

# MELTEMI

# Transnational Seminar for Mediterranean and Black Sea

# MELTEMI in a nutshell

### Nikos Streftaris,





1 issue
4 countries
8 partners
1.214.936 €
24 months (start: 15/9/17)



Transnational Seminar for Mediterranean and Black Sea FLAGs, 25/11/20



# MELTEMI in brief

The overall objective of the MELTEMI is to enhance the legal framework and increase the capacity of public authorities, stakeholders and society at large on mitigating marine litter pollution.

The project's outcome will be the elaboration of four **National Action Plan Proposals (NAPPs)** for the reduction of marine litter at source and a **Transnational Action Plan Proposal (TAPP)** among the 4 BalkanMed countries

creating a long term network for marine litter assessment and management beyond national (and project) boundaries



# **MELTEMI** in brief

Along with the assessment of marine litter in beaches and sea, the project foresees and promotes the active engagement of the society and the key-players in a sequence of Actions, aiming at

- •informing,
- 'educating'
- training and
- networking

all interested parties on a science and policy assessment framework of marine litter

at local, national and transnational level



The innovative part in MELTEMI is that the proposals for NAPPs and the TAPP, will be made by the key stakeholders and decision makers in each area/country and would be adopted at higher level.

The active participation of society, stakeholders and decision makers to the process will ensure this sustainability of results even after the end of the project and transferability to other areas.





- Assessment of marine litter on specific coastal zones &
- Review the existing national legal and policy frameworks and tools for their regulation/ management
- Inform, Educate, Train & Engage society (Ocean literacy) in M assessment and in best management practices (through ACTIONS)
- Selection of best tools, policies and practices on ML manage
- Elaboration by the local stakeholders of the National Action (through a series of workshops and training courses)
- Elaboration of a common Transnational Action Plan Proposal (joint meeting of national stakeholders)





#### Information centres

Information centres will operate in each country where the citizens and visitors will have the opportunity to be informed about the MELTEMI project, their participation opportunities, and acquire promotional material.



#### MELTEMI@School

Two schools per country will be informed via education seminars in marine litter reduction & actively involved in marine litter assessments.

Through MELTEMI@ School activities, students will participate in field trips in two beaches of each country.

National Stakeholders

Training



MELTEMI

Stakeholders

#### **Transnational Cooperation**

A workshop and three training courses per country, will bring together the stakeholders and the scientists of MELTEMI, aiming at adapting the most suitable actions and tools against marine litter on a national level (NAPPs creation). During a Transnational workshop the stakeholders of the four countries will get together and review the tools and actions against marine litter. The overall goal is the creation of a common and integrated Transnational Action Plan Proposal (TAPP) against marine litter pollution.



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#### **Blue Cafes**

During the project implementation, meetings with local people will take place at the leisure of a coffee shop, with the aim to inform and discuss marine litter issues. The main goal of the Blue Cafes is to encourage the local society to express its point of view about measures that should be taken against marine litter.



# Actions **N** Aims

**Transnational Action Plan Proposal- TAPP** 

**National Action Plan Proposals - NAPPs** 

Appraisal & Selection of 'best' tools and practices to local needs

Inform, Educate, Train & Engage society and stakeholders





MELTEMI

**Blue** Cafe

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MELTEMI

**Stakeholders** 

MELTEMI

**Stakeholders** 



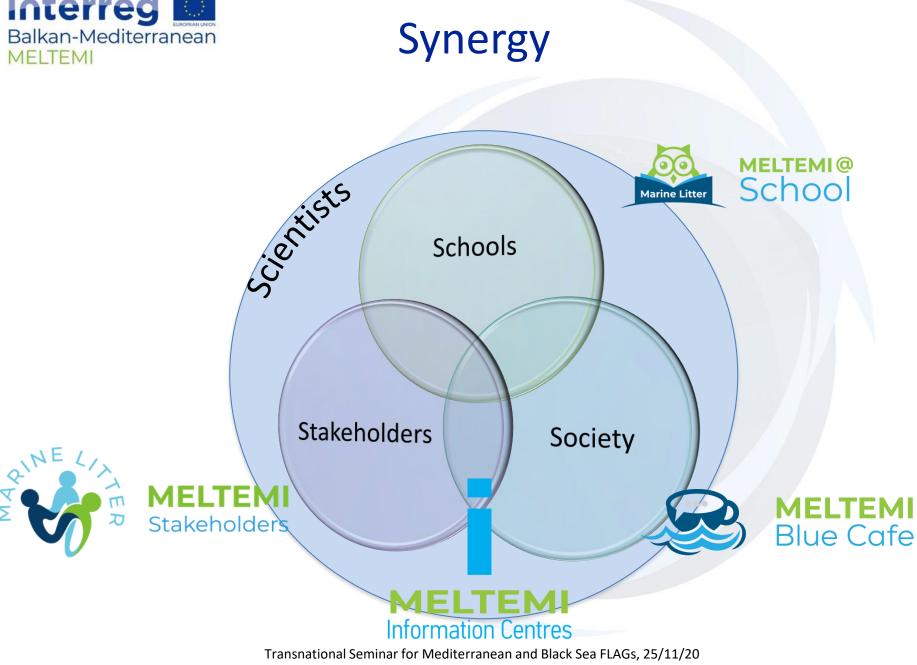
Assessment of marine litter on specific coastal zones

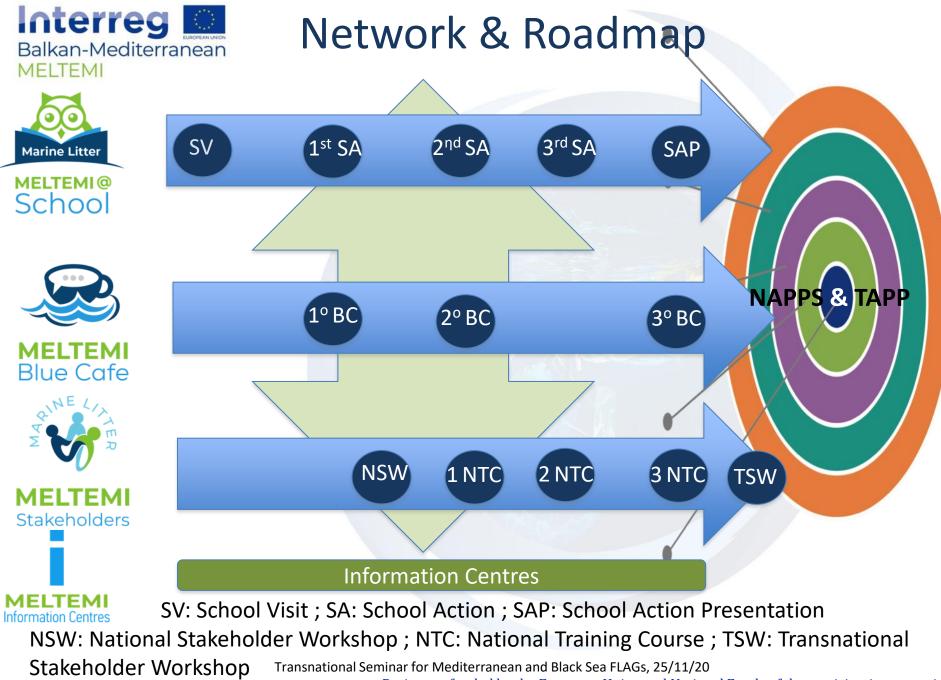


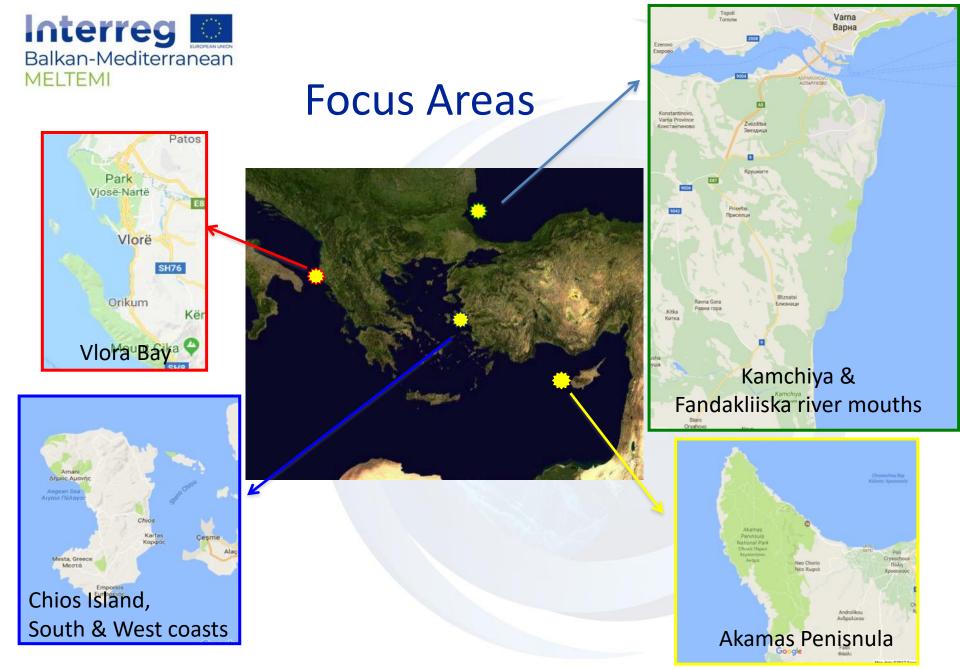
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### **Key deliverables**

Dissemination and Outreach Strategy

**Engaging the Society - Blue Cafés** 

MELTEMI@School Activities

**Communication and Dissemination** 

**Setting Criteria and Selection of Suitable Coasts** 

Assessment of coastal marine litter

Legal and Policy Baseline Assessment for marine litter management

**Review of Existing Tools and Legal Instruments** 

Training and Networking roadmap towards Action Plans Proposals

Identification of tools and Best practices

**Setting NAPPs - Training on specific tools and smart targets** 

**Setting the TAPP - Transfer of Best practices** 







# Stakeholder engagement National Action Plan Proposals – NAPPs

# National Stakeholders workshop (NSW) & National Training Courses (NTCs) for stakeholders (in each country)

One National Stakeholders' Workshop and three National Training Courses (NTCs) assisted targeted stakeholders and local authorities (aprox. 30 key participants per country) to select the most appropriate tools and measures and to be trained ov their implementation on local and national dimension





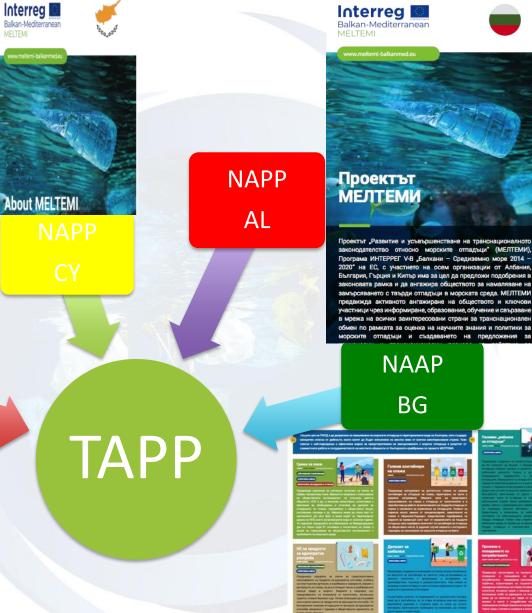
# Stakeholder engagement TransNational Action Plan Proposals - TAPP

Stakeholders from the 4 countries join forces in a workshop with the aim to merge the 4 NAPPs and create and adopt a common integrated Transnational Action Plan Proposal- TAPP)

### Interre Balkan-Medit MELTEMI

1.15





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### Interreg Balkan-Mediterranean MEITEMI

### **National Action Plan Proposals – NAPPs**

Общата цел на ПНПД е да допринесе за намаляване на морските отпадъци в териториалните води на България, като създаде конкретен списък от дейности, които могат да бъдат изпълнени на местно ниво от всички заинтересовани страни. Този 🤧 списък с най-подходящи и ефективни мерки за предотвратяване на замърсяването с морски отпадъци е резултат от съвместната работа и сътрудничеството на местните общности от българското крайбрежие по проекта МЕЛТЕМИ.

#### Грижа за плаж

HHR N OT MICH

юхраняем плаж. Мярката е свързана с повишаване ествената ангажираност на училища, местни к, НПО и др. и включва мониторинг, почистване и за обобщаване и отчитане на данните за те по плажа, подкрепена с обществени акции, и, награди и до. Мярката може да стане част от а "За чист бряг и живо море" на Черном дкрепя традицията за отбелязване на Международни а Черно море 31 октомври с почистване на плажа за повишаване на обществената внгажирано блемите на морската среда

#### НЕ на продукти за еднократна

### Поедвижда подкрепа за схеми за предотвоатваане

използването на продукти за еднократна употреба, особено на пластмасови артикули, в крайбрежни заведения, барове и ресторанти на плажа, за да не попадат лесно в крайбрежната околна среда и морето. Мярката е свързана със замърсяването на плажовете от посетители, летовници, туристи, плажни бизнеси и др. Тя има потенциал да се развие към ограничаване на продуктите за еднократна употреба. По бъргарските плажове отпальните от артикули за еднократна употреба, свързани с туризма и общественото храненето, са много голям процент.

#### Големи контейнери на плажа

OTEPATVIBHA MRPK

Преданжда осигуряване на дос ери за отпадъци на пла ю изпразване. Мярка осяването на плажа с отг перспектива да работи за включ жа в системата за управлен ката много зависи от кон плажа и общините.Подходът пр мерките за превенция като част отпадъци чрез подобрена наличи на обществени места. В дадени одящ за намаляване на морс

#### Депозит за амбалаж

CEEDINGERONDH DITAH OTEPATIVEHA MEPKA

#### Предвижда създаване и въвеждан на депозити за контейнери за н ножната логистика и орган производители, търговци и разп посреща с голям интерес от мести засега не е прилагана в България

Съществуват мнения, че въвеждя няма да е рентабилно, но тя стак евролейски държави и страна изолирана Евентуалното възежи доста време и инвестиции.

The aim of the NAPP is to address the issue of marine litter (ML) in Greece, by devising a concrete list of actions that can be implemented at local level by all stakeholders. These actions were identified and selected by the community of Chios through the activities of the project "MELTEMI" as the most suitable and effective measures to tackle the problem of marine litter at local level.

#### Awareness raising campaigns

EDUCATION & OUTREACH

away with "throw away mindset".

Activities such as school educational trips, communication campaigns, clean-ups, science campaigns, workshops, summer schools and exhibitions, deepen public understanding on the Issue of marine litter and change perceptions and attitude towards waste. They aim to a turning point in a sustainable society, doing

This building of environmental consciousness of related target groups (citizens, tourism businesses, local authorities, students and educators of schools and universities, fishermen, port and ship workers, aquaculture operators, port authorities, journalists, environmental NGOs) contributes in the preservation of marine resources, raises awareness and engages target groups through practical interactive activities, such as "Adopt a beach", adapted to the needs and skills of the participants.

Beach clean-ups to raise awareness and improve marine litte onitoring



A unique way to engage the local community to improve the quality of their environment! Through these voluntary actions, awareness raising is achieved while scientific data on marine litter sources is collected, urging students, citizens, tourists and local economic operators to participate in this environmental as well as scientific process. Apps can also be employed (Marine Litter Watch - EEA)

EDUCATION & OUTREACH OPERATIONAL NONITORING, RESEARCH & REPORTING



OPERATIONAL

Plastic fibers and harmful chemicals that are contained in cigarette butts affect the marine and coastal environment, especially during summer season where their numbers swarm. Action must be taken to reduce the presence of cigarette butts on the beaches and to inform and raise the awareness of beach goers, tourists and coastal tourism businesses on the ways to achieve that. This may be done through voluntary agreements among authorities and coastal tourism operators, which would include the certification of local businesses that implement good practices (e.g. voluntary smoking bans, provision of regularly-emotied ashtrays in all public recreational areas). Initiatives to recycle cigarette butts should be further promoted.

#### Training of aquaculture operators

and maritime workers SHDRT TEEM

EDUCATION & OUTREACH

It is a fact that aquaculture does produce litter and that the existing legal framework on ML from aquaculture is limited to animal-related organic waste. It is thus necessary to train aquaculture and maritime workers on preventing marine litter and to implement further environmental standards (e.g. EN ISO 14001:2015) for a more systematic collection and proper management of waste (reduction, reuse, recycle and appropriate discharge) and to increase their awareness on miligating the issue of marine litter.

#### Voluntary plastic bag ban



Plastic bags pose a significant threat to the marine environ Local authorities, environmental and consumer organizations should encourage economic operators to voluntarily ban plastic bags and promote using alternatives, as a means to engage society into concrete actions to reduce waste generation and raise the awareness of their customers on the problem of marine litter



Single-Use Plastics (SUPs) such as grocery bags, food packaging bottles, straws, containers, cups and cutlery, stirrers and cotton buds threaten the marine environment. Targeted actions must be implemented their replacement with multiuse products. Local authorities and environmental education organizations, schools, universities, bars and cafés, hotels and retail shops need to be engaged into this practice. Specific award schemes should be developed for eco-friendly SUP-free hotels and tourist activities to promote this initiative.

#### **Passive Fishing** for Litter EDUCATION & OUTREACH



Passive Fishing for Litter entails the collection of ML caught in nets by fishermen during their ordinary fishing activities and their return to shore for collection. The action leads to awareness raising among local fishermen (associations and industry) while their engagement promotes waste management practices optimization in the fisheries sector and facilitates ML removal and monitoring. An awarding scheme for the participating fishermen can be an incentive, to promote the action among them.

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ца им позволят да връщат и предават на брега всички адыци, улавяни пасивно в мрежите им при нормалните и лейности. Нужно е да се регламентири

	Greece	Cyprus	Bulgaria	Albania
Awareness raising	Х	Х	Х	Х
SUPs reduction	Х	Х	Х	Х
Adopt-a-Beach / Beach clean-up	Х	Х	Х	Х
Voluntary plastic bag ban	Х	Х		Х
Fishing for Litter	Х	Х	Х	
Deposit-Refund Schemes		Х	Х	Х
Cigarette butts	Х	Х		
More waste bins			Х	Х
Training of aquaculture and shipping	Х			
Grates in streets				Х
Fine ships caught dumping waste				X
Improve waste management capacity		by the Furgnean Union		X



# Website

## https://meltemi-balkanmed.eu

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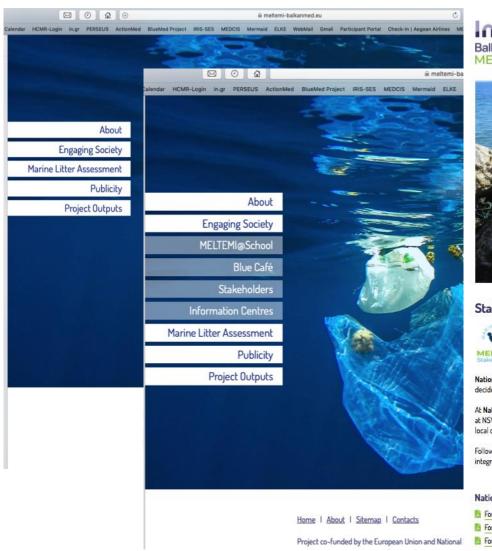


About What we do Engage the society **MELTEMI@School** Aug 2020 Assess marine litter Blue Café Workshops Stakeholders Information Centres 10 12 15 News & Stories 17 18 19 22 16 20 29 23 26 27 25 28 Info / Blog 30 31 Click day to see event **NEWS** MELTEMI will participate in Researchers' Night in Cyprus, at Filoxenia Conference Center, on 27 of September, as

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# https://meltemi-balkanmed.eu







#### Stakeholders



The interaction with stakeholders will be accomplished through training courses and workshops. During MELTEMI project implementation, at local (national) level, has been scheduled to take place, across the four different countries (Albania, Greece, Bulgaria and Cyprus ), one Stakeholders Workshop and three Training Courses.

National Stakeholder Workshop (NSW) /Country, aims to guide and assist local stakeholders and decision makers to decide which tools and practices are more suitable (and applicable) for them.

At National Training Courses (NTC) /Country. Stakeholder will be trained on specific tools and smart targets as defined at NSW. The final outcome of NSW and NTC is the creation of National Action Plan Proposals (NAPPs) based on the local community specific needs.

Following the NAPPs, a Transnational Stakeholder Workshop (TSW) will be organized in order to create a common, integrated, Transnational Action Plan Proposal (TAPP) against marine litter pollution for the four countries.

National Action Plan Proposals: Factsheets

- 5 For Greece (in Greek)
- For Greece (in English)

nal 📙 For Bulgaria (in Bulgarian)





















### ML sampling and monitoring With schools

Seasonal



### **Use of ROV & DRONE**





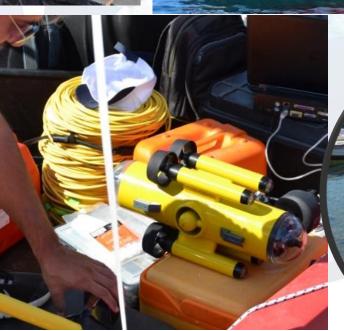














Gioner



### 1° BLUE CAFÉ 14/10/18

2º BLUE CAFÉ 17/7/2019

3° BLUE CAFÉ 21/1/2020

4º BLUE CAFÉ 30/7/2020











**Stakeholders** 

### 3 day National Stakeholder Workshop













<section-header>



National Training Courses of selected key stakeholders



**Training** Course

10:00 n.μ. | Τηλεδιάσκεψη με ταυτόχρονη συμμεταχή από το Δημαρχείο Χίου (Δημοκρατίας 2) και το Ίδρυμα Μαρία Τσόκος (Μοιαή) Αιβανού 51)

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## Interreg

MELTEMI

#### ΠΡΟΓΡΑΜΜΑ

- .00–10.15 Καλωσόρισμο και Εισαγωγή στο MELTEMI από τον Νίκο Στρεφτάρη. επιστημονικό υπεύθυνο του MELTEMI 1.15-10.30 Σύντομη παρουσίαση των αποτελεσμάτω
- 15-10.30 Σύντομη παρουσίαση των αποτελεσμάτων της παρακολούθησης των θαλασσίων απορριμμάτων, Καθ, Γιώργο Παποθεοδώρου Πανεπιστήμιο Πατρών
- 10.30-11.00 Περίληψη των αποτελεσμότων των 2 πρώτων ΝΤC, Dr. Emanuele Bigagli, ΕΛ.ΚΕ.Θ.Ε.
  - -11.30 Πρόταση του Εθνικού Σχεδίου Δράσης (draft).
     Dr. Emanuele Bigagli, ΕΛ.ΚΕ.Θ.Ε.
  - 0-12.30 Ανοιχτή συζήτηση με όλους τους συμμετέχοντες, Συντονισμός συζήτησης Αμαλία Βενετσανοποιύλου, ΕΛ.ΚΕ.Θ.Ε.
  - -13.30 Πρόταση του Εθνικού Σχεδίου Δράσης από τους Συμμετέχοντες. Συντονισμός συζήτησης: Νίκος Στρεφτάρης ΕΛ.ΚΕ.Θ.Ε.

Φορείς: Ελληνικό Κέντρο Θαλασσίων Ερευνώ Εργαστήριο Θαλάσσιας Γεωλογίας Φυσικής Οκεανογραφίας Πανεπιστημίου Πατρώ Κοινωφελές Ίδρυμα "Μορία Τσάκοι

Κακνωφέλες, ισρόμα Μαρία Ιοακοί Η δράση πραγματοποιείται στο πλοίσιο του προγράμματι δοφικής συνεργασίας Interreg Balkan - Mediterranean, "MELTEM

#### meltemi-balkanmed.eu

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Stakeholders



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Transnational Seminar for Weuterranean and Black Sea FLAGS, 25/11/20



Transnational Stakeholder workshop Athens 3 &4 /8/20



## **Exhibition Centres**









# Thank you Ευχαριστώ Благодаря faleminderit

### nstrefta@hcmr.gr

Project Acronym: **MELTEMI** Project Title: MarinE litter transnational Legislation Enhancement and Improvement

> Coordinator: Nikos Streftaris (HCMR) Instrument: INTERREG V-B "BALKAN-MEDITERRANEAN 2014-2020", Start Date: 15 September 2017 Duration: 24 months

> > meltemi-balkanmed.eu