

RESISTANCE project

Cleaning days in Podstrana and Goro

Follow-up Report

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Partner Involved	Municipality of Podstrana
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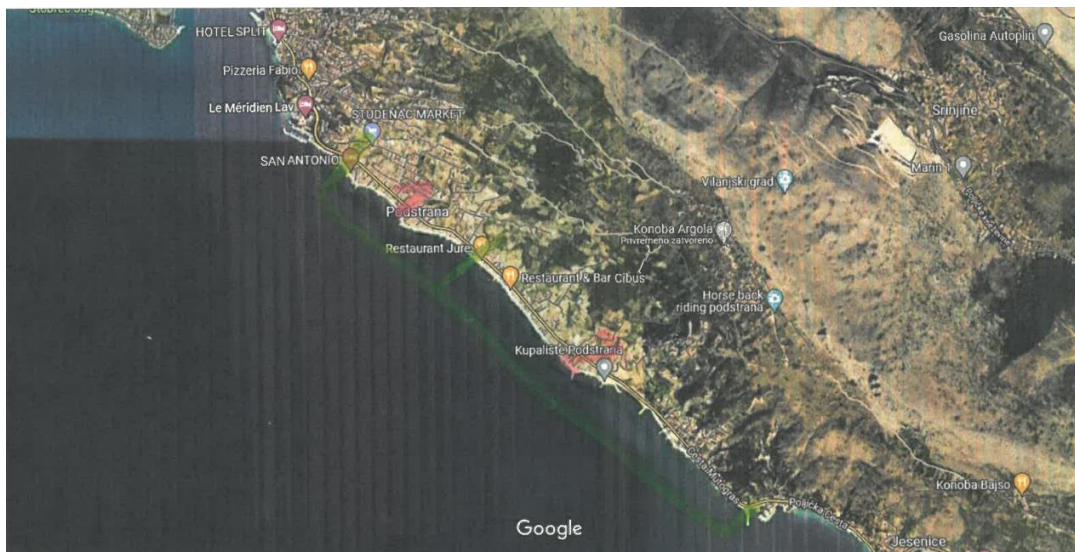
## Cleaning days in Podstrana, Croatia

### Introduction

The main goal of RESISTANCE project is to share marine monitoring knowledge and experiences in the sea, coastal and river environments by capitalizing the results of ECOMAP, ECOSS, NET4mPLASTIC, SOUNDSCAPE, DORY, SASPAS and ML-REPAIR. The different types of outputs were exploited in the project, all with a common goal – the marine environment protection.

The project aims to promote the diffusion of information on marine and coastal management/monitoring to enhance the territorial cooperation on local, regional and national policies through the involvement of all PPs and other EU Programmes and Initiatives, in order to approach and involve policy makers. Local events - Cleaning days, with the involvement of citizens have been organized to increase environmental awareness about the ecological status of coastal areas.

In this context, Municipality of Podstrana (LP) with external experts - Podstrana Ecological Diving Club, has organized a cleaning operations of the Podstrana's coastal area, divided in two phases: one realized in October 2022 and the second in May 2023 (Figure 1).



*Figure 1: location of the beach cleaning activities (divided in 2 phases)*

## The 1<sup>st</sup> Cleaning Day in Podstrana

The action of cleaning the coastal area (Cleaning Day) in Podstrana was carried out on October 22, in the organization of Municipality of Podstrana and Podstrana Ecological Diving Club. The action took place simultaneously in several locations at Podstrana's coastal area and approximately 1 ton of waste was collected (30 car tires, 150 glass and 200 plastic bottles...).

55 divers from Podstrana, Zagreb, Mostar, Sarajevo, Herceg Novi, Split, Dugi Rat, 20 local volunteers of the Municipality of Podstrana (Youth Council of the Municipality of Podstrana and DVD of the Municipality of Podstrana) and students of the Split Maritime School participated in the cleanup.



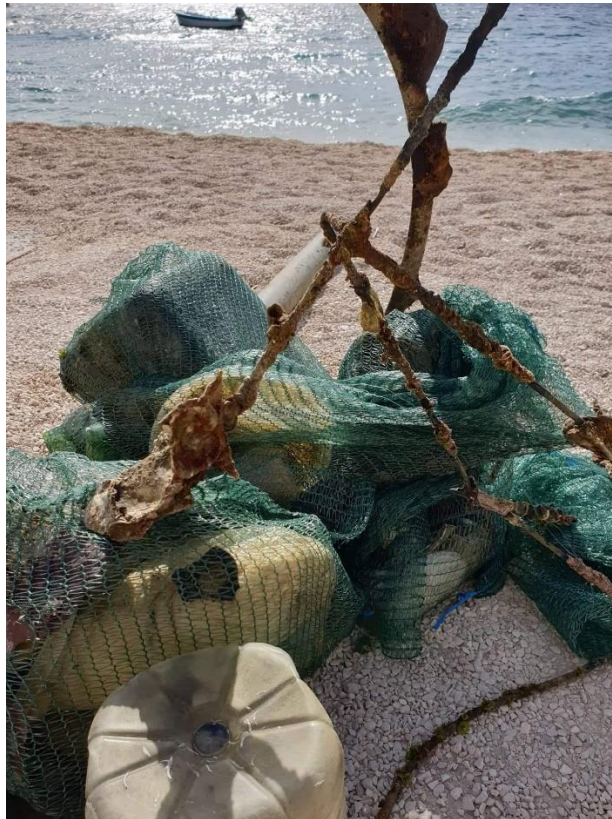
*Figure 2: Participants of the 1<sup>st</sup> Cleaning Day in Podstrana*



*Figure 3: Cleaning operations in Podstrana*



*Figure 3a: Cleaning operations in Podstrana*



*Figure 4: Collected waste*



*Figure 4a: Collected waste*



*Figure 5: RESISTANCE promotional material shared to participants*



*Figure 6: Mr Mijo Dropuljić, Municipality of Podstrana's Mayor and Mr Jozo Roso, Podstrana Ecological Diving Club*



## The 2<sup>nd</sup> Cleaning Day in Podstrana

The second action of cleaning the coastal area (Cleaning Day) in Podstrana was carried out on 6-7/05/2023, in the organization of Municipality of Podstrana and Podstrana Ecological Diving Club. The action took place simultaneously in several locations at Podstrana's coastal area and approximately 1 ton of waste was collected (10 car tires of various sizes, 100 glass and 150 plastic bottles, discarded fishing equipment - 8 tops, iron objects and parts of plastic furniture).

All the extracted waste was sorted and taken to the recycling yard of the Municipality of Podstrana. In the underwater cleanup participated 28 divers, 4 boats to help divers and 9 volunteers from the Municipality of Podstrana.



*Figure 7: Participants of the 2<sup>nd</sup> Cleaning Day in Podstrana*



*Figure 8: Cleaning operations in Podstrana*



*Figure 9: Cleaning operations in Podstrana*



*Figure 10: Cleaning operations in Podstrana*



*Figure 11: Collected waste*

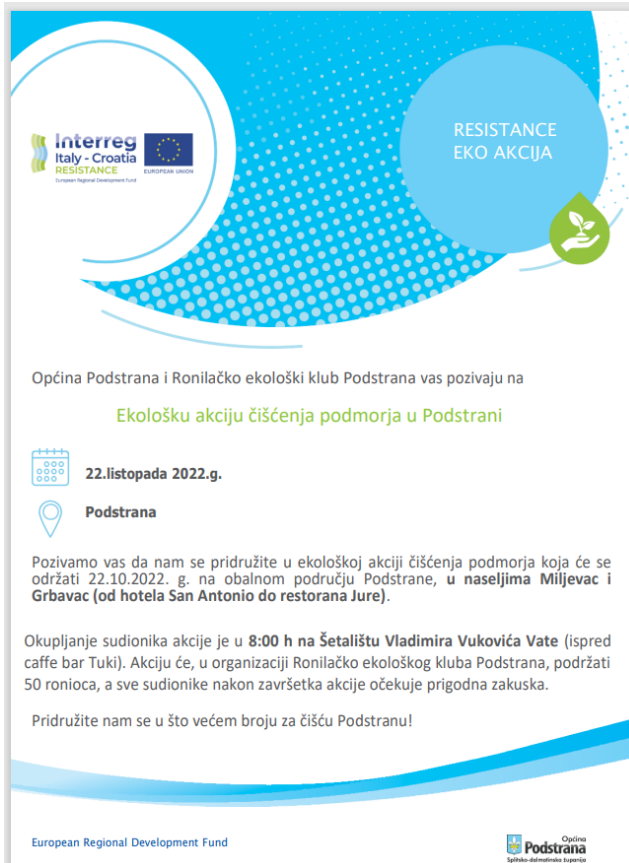


*Figure 12: Collected waste*



*Figure 13: Municipality of Podstrana's Mayor during the Press conference*

## Visibility



**RESISTANCE EKO AKCIJA**


Općina Podstrana i Ronilačko ekološki klub Podstrana vas pozivaju na  
**Ekološku akciju čišćenja podmorja u Podstrani**

**22. listopada 2022.g.**  
**Podstrana**

Pozivamo vas da nam se pridružite u ekološkoj akciji čišćenja podmorja koja će se održati 22.10.2022. g. na obalnom području Podstrane, u naseljima Miljevac i Grbavac (od hotela San Antonio do restorana Jure).

Okupljanje sudionika akcije je u **8:00 h** na **Šetalištu Vladimira Vukovića Vate** (ispred caffè bar Tuki). Akciju će, u organizaciji Ronilačko ekološkog kluba Podstrana, podržati 50 ronioaca, a sve sudionike nakon završetka akcije očekuje prigodna zakuska.

Pridružite nam se u što većem broju za čišću Podstranu!

European Regional Development Fund 



**RESISTANCE EKO AKCIJA**

Općina Podstrana i Ronilačko ekološki klub Podstrana pozivaju vas na  
**Ekološku akciju čišćenja podmorja u Podstrani**

**06. – 07. svibnja 2023.g.**  
**Podstrana**

Pozivamo vas da nam se pridružite u ekološkoj akciji čišćenja podmorja koja će se održati 06. – 07. svibnja 2023.g. na obalnom području Podstrane (od restorana „Jure“ do okretišta autobusa u Mutograsu).

Okupljanje sudionika akcije je u **9:00 h** na **Šetalištu Vladimira Vukovića Vate** (ispred caffè bar Tuki). Sve sudionike nakon završetka akcije očekuje prigodna zakuska.

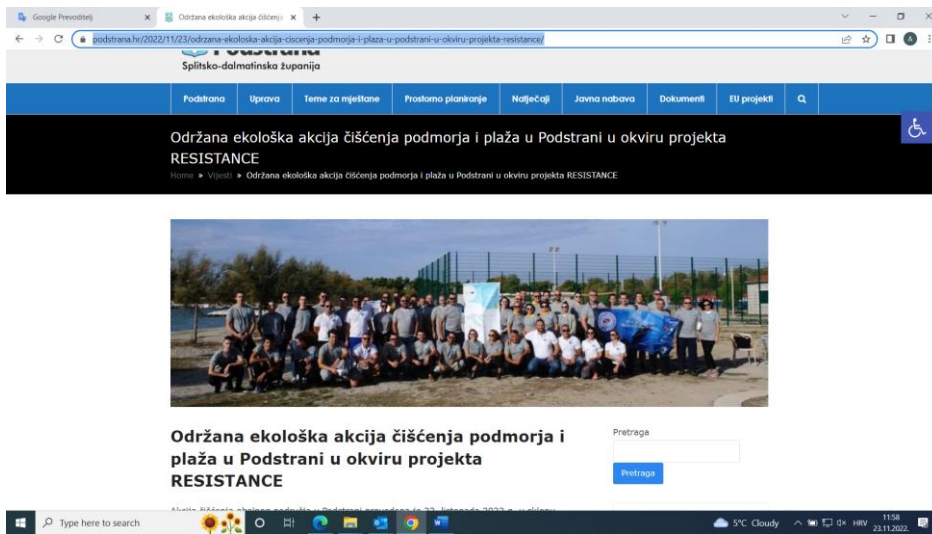
Pridružite nam se u što većem broju za čišću Podstranu!

European Regional Development Fund 

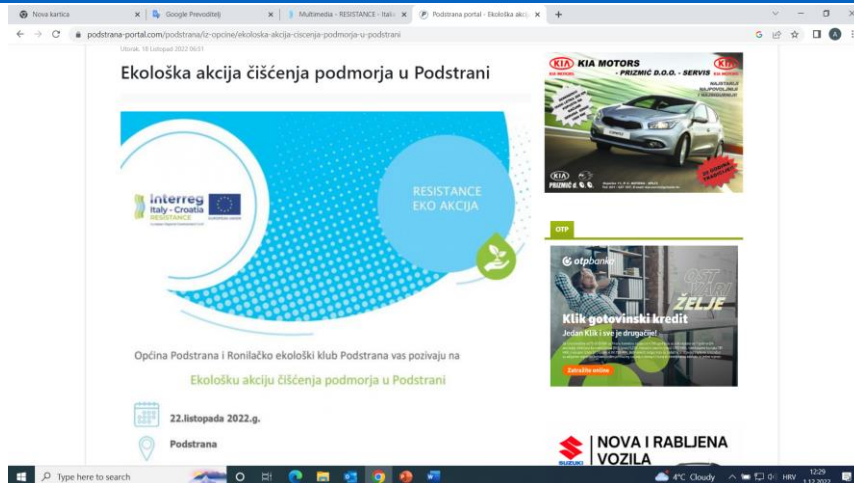
Figure 14: Invitations

**Press releases on occasion of the 1<sup>st</sup> Cleaning Day:**

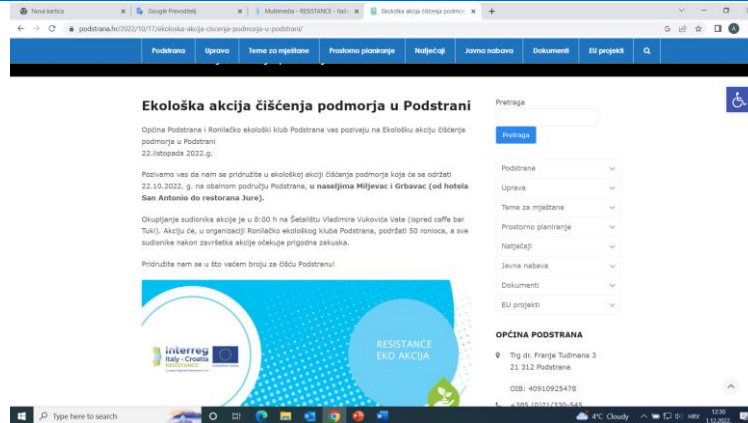
<https://www.podstrana.hr/2022/11/23/odrzana-ekoloska-akcija-ciscenja-podmornja-i-plaza-u-podstrani-u-okviru-projekta-resistance/>



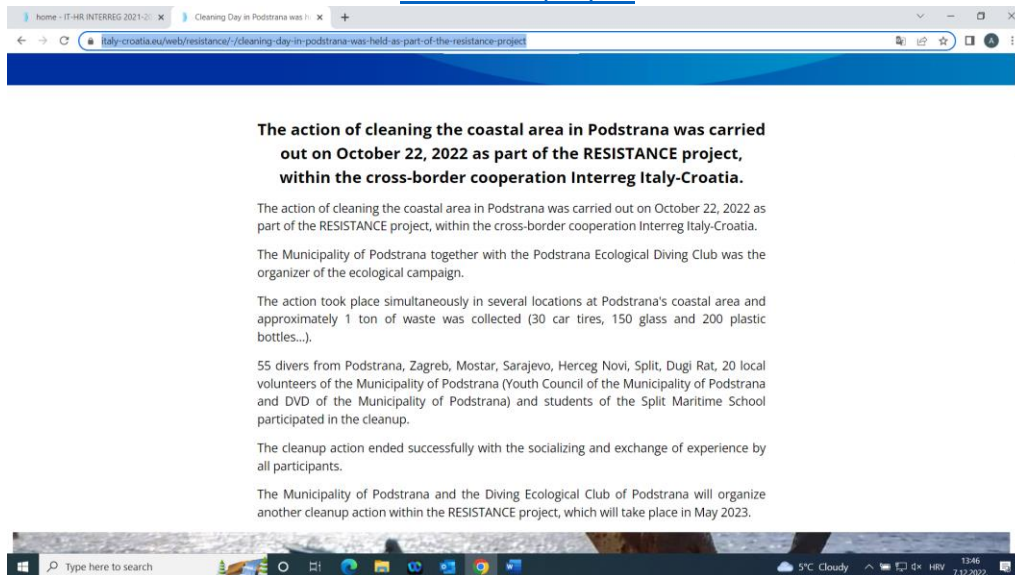
<https://podstrana-portal.com/podstrana/iz-opcine/ekoloska-akcija-ciscenja-podmornja-u-podstrani>



<https://www.podstrana.hr/2022/10/17/ekoloska-akcija-ciscenja-podmornja-u-podstrani/>

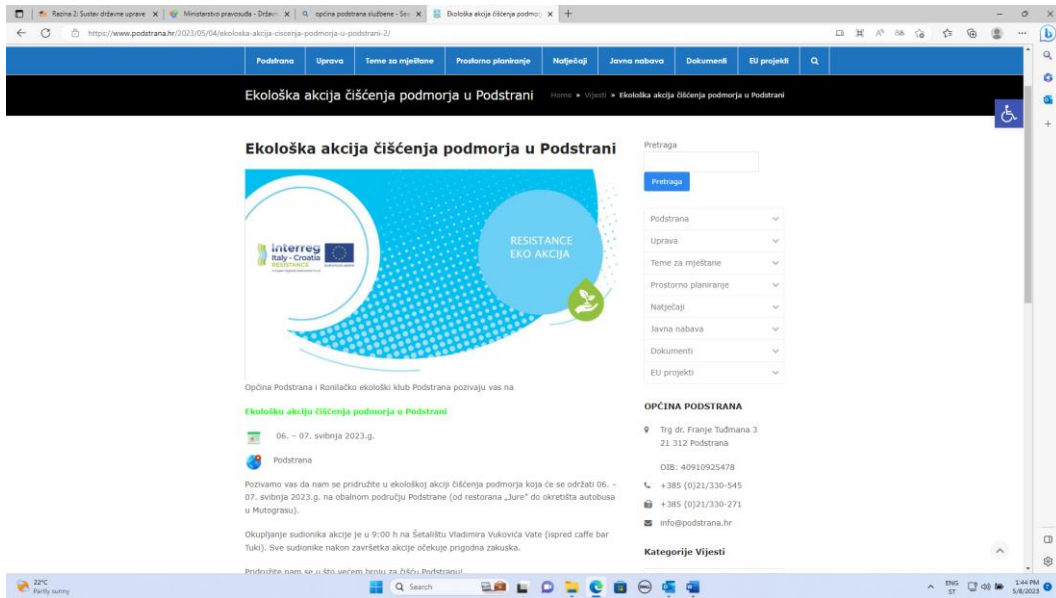


<https://www.italy-croatia.eu/web/resistance/-/cleaning-day-in-podstrana-was-held-as-part-of-the-resistance-project>



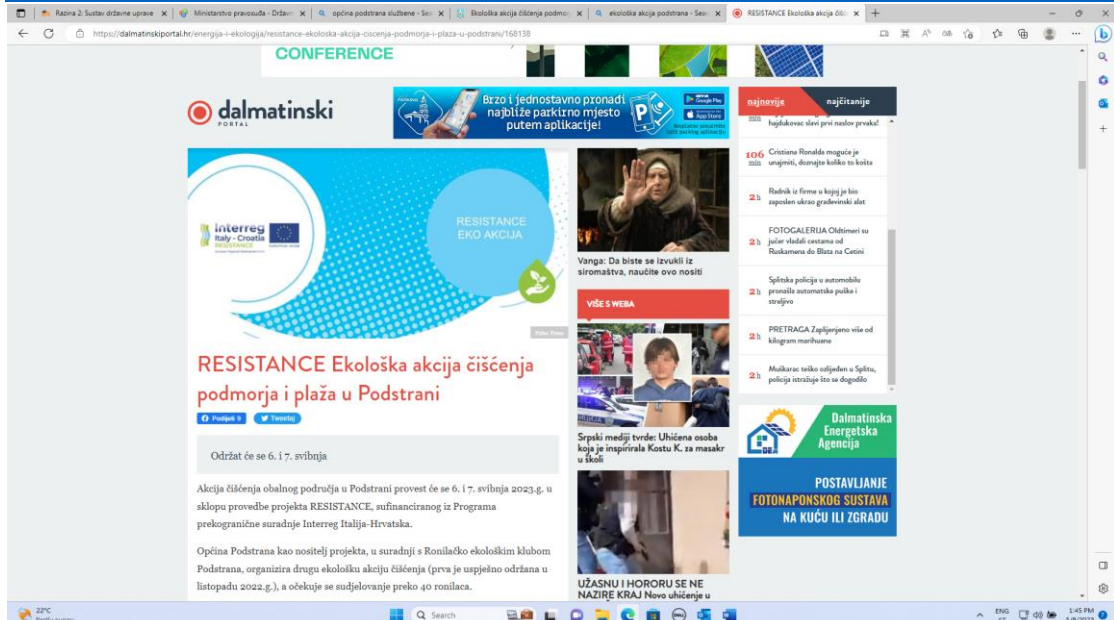
## Press releases on occasion of the 2<sup>nd</sup> Cleaning Day:

### [Ekološka akcija čišćenja podmorja u Podstrani – Općina Podstrana](#)



The screenshot shows the official website of Općina Podstrana. The main heading is "Ekološka akcija čišćenja podmorja u Podstrani". Below the heading is a graphic with the "RESISTANCE EKO AKCIJA" logo. The text below the graphic reads: "Općina Podstrana i Ronilačko ekološki klub Podstrana pozivaju vas na Ekološku akciju čišćenja podmorja u Podstrani". The dates are "06. - 07. svibnja 2023. g.". The text continues: "Pozivamo vas da nam se pridružite u ekološkoj akciji čišćenja podmorja koja će se održati 06. - 07. svibnja 2023. g. na obalnom području Podstrane (od restorana „Jure“ do okretišta autobusa u Mutograsu). Okupljanje sudionika akcije je u 9:00 h na Šetalištu Vladimira Vukovića Vate (ispred caffe bar Tuki). Sve sudionike nakon završetka akcije očekuje prigodna zakuska." On the right side, there is a search bar and a list of categories: "Podstrana", "Uprava", "Teme za mještane", "Prostorno planiranje", "Natječaj", "Javna nabava", "Dokumenti", "EU projekti".

### [RESISTANCE Ekološka akcija čišćenja podmorja i plaža u Podstrani | Dalmatinski portal](#)



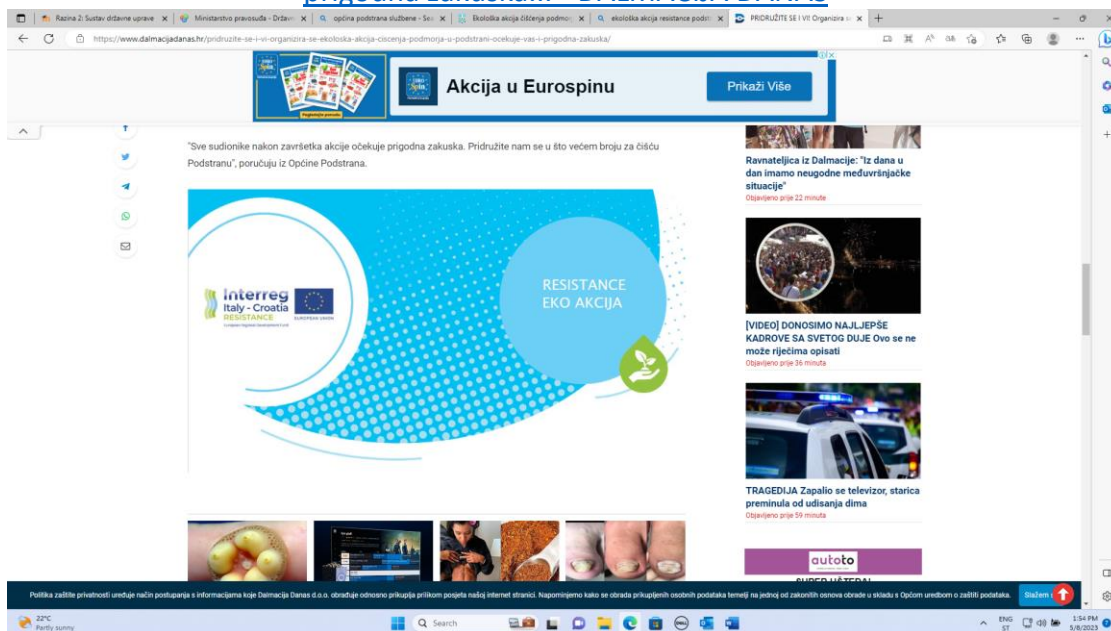
The screenshot shows the Dalmatinski portal website. The main heading is "RESISTANCE Ekološka akcija čišćenja podmorja i plaža u Podstrani". Below the heading is a graphic with the "RESISTANCE EKO AKCIJA" logo. The text below the graphic reads: "Održat će se 6. i 7. svibnja". The text continues: "Akcija čišćenja obalnog područja u Podstrani provest će se 6. i 7. svibnja 2023. g. u sklopu provedbe projekta RESISTANCE, sufinanciranog iz Programa prekogranične suradnje Interreg Italija-Hrvatska. Općina Podstrana kao nositelj projekta, u suradnji s Ronilačko ekološkim klubom Podstrana, organizira drugu ekološku akciju čišćenja (prva je uspješno održana u listopadu 2022. g.), a očekuje se sudjelovanje preko 40 ronilaca." On the right side, there is a "najnovije" section with a list of news items: "Hidrološki slavi prvi naslov prvaka", "Radnik iz firme u kojoj je bio zaposlen ukinuo građevinski alat", "FOTOGALERIJA Okršljeni su jular vladali cestama od Rukarnova do Blata na Cetini", "Splitska policija u nemogućnosti prenatila automatske puške i streljivo", "PRIETRAGA Zaplijenjeno više od kilograma marihuane", "Mliječar: teško ošteđen u Splitu, policija istražuje tko se dogodio".



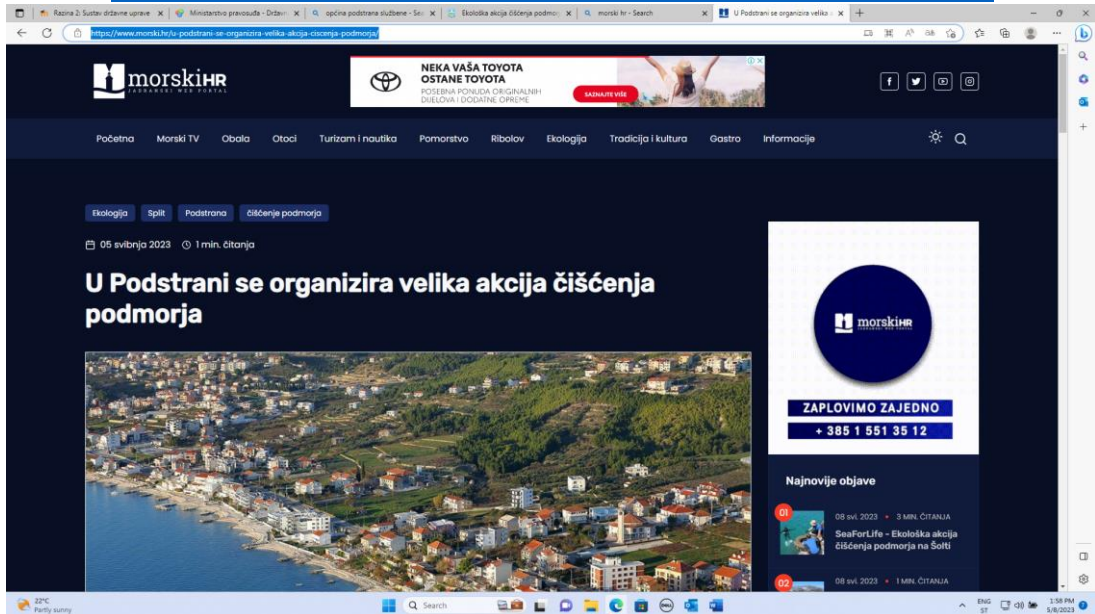
[Podstrana portal - Općina Podstrana i Ronilačko ekološki klub Podstrana pozivaju vas na Ekološku akciju čišćenja podmorja u Podstrani 06. – 07. svibnja 2023.g. \(podstrana-tv.com\)](https://podstrana-tv.com)



[PRIDRUŽITE SE I VI! Organizira se Ekološka akcija čišćenja podmorja u Podstrani: Očekuje vas i prigodna zakuska... - DALMACIJA DANAS](https://www.dalmacijadanas.hr/pridruzite-se-i-vi-organizira-se-ekološka-akcija-čišćenja-podmorja-u-podstrani-očekuje-vas-i-prigodna-zakuska...-dalmacija-danas)



## U Podstrani se organizira velika akcija čišćenja podmorja (morski.hr)



## Ekološka akcija čišćenja podmorja u Podstrani – Općina Podstrana



[FOTO: Na drugoj akciji čišćenja podmorja u Podstrani nije pronađeno puno smeća | Dalmatinski portal](#)



[Podstrana portal - FOTO: Na drugoj akciji čišćenja podmorja u Podstrani nije pronađeno puno smeća \(podstrana-portal.com\)](#)



## Conclusion

In the 1<sup>st</sup> cleanup of Podstrana's beaches participated 55 divers from Podstrana, Zagreb, Mostar, Sarajevo, Herceg Novi, Split, Dugi Rat, 20 local volunteers of the Municipality of Podstrana (Youth Council of the Municipality of Podstrana and DVD of the Municipality of Podstrana) and students of the Split Maritime School.

In the 2nd cleanup participated 28 divers, 4 boats to help divers and 9 local volunteers from the Municipality of Podstrana.

Overall, 2 tons of waste was collected, sorted and taken to the recycling yard of the Municipality of Podstrana.

Each piece of litter we extracted meant one less piece of litter in our Adriatic Sea.

Beach cleanup actions protect marine ecosystems from the harmful effects of pollution, they help in raising awareness on environmental protection of local inhabitants and consequently in Municipality of Podstrana they will be continued after the project implementation.

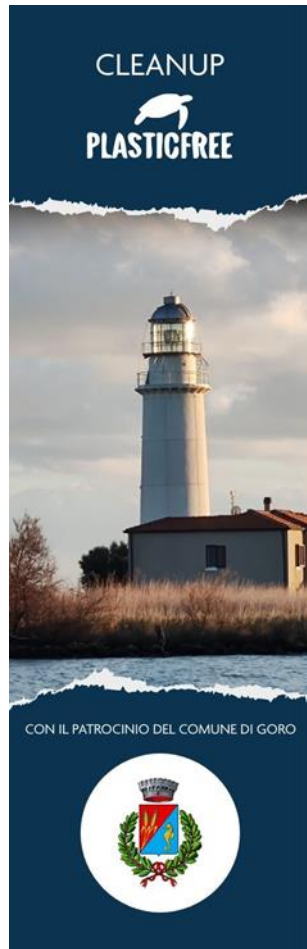
## Cleaning days in Goro, Italy

### Introduction

The Resistance “Raising awareness of Maritime Spatial planning importance” Project aims to share solutions that can be effectively developed, encouraging national and international cooperation and to establish guidelines in order to preserve the Adriatic Sea. In this context, PP4, University of Ferrara, department of Environmental Science and Prevention, has promoted with the association Plastic Free onlus (a voluntary association with the aim of informing and sensitizing as many people as possible about the dangers of plastic pollution) a cleaning operation of the beach of Goro (Figure 1, and 2). This event occurred on March 05, 2023.



*Figure 1: location of the beach cleaning activities*



# GORO

## Isola dell'amore

### 5 MARZO 2023

Orario: **10:00**

Ritrovo:  
**presso pontile di imbarco per l'isola  
 in via Po Gorino loc. Bacucco di  
 Ariano nel Polesine (Ro)**

Referente/i:  
**Riccardo - 347 7893431  
 Laura - 347 0733267**



ISCRIVITI  
 INQUADRANDO  
 IL QR CODE  
 CON LO SMARTPHONE

In collaborazione con



Figure 2: Cleaning Day announcement

## Pre event

Before the event, press releases have been realized by PP4 and Plastic free association as well (figure 3, figure 4a, 4b).



Evento Condividi

### Unife e Plastic Free Odv Onlus | Evento dedicato alla pulizia delle spiagge di Goro

LABORATORI E VISITE GUIDATE

Tag [dipartimento di scienze dell'ambiente e della prevenzione](#) [inquinamento](#)

**Evento dedicato alla pulizia delle spiagge di Goro (FE)** promosso dal Dipartimento di Scienze dell'Ambiente e della Prevenzione dell'Università di Ferrara e Plastic Free Odv Onlus, punto di riferimento in Italia nella lotta all'inquinamento da plastica, nell'ambito delle collaborazioni sul territorio locale relative al progetto **Interreg RESISTANCE** (programma di cooperazione transfrontaliera co-finanziato dal Fondo Europeo per lo Sviluppo Regionale - FESR).

Il progetto **Interreg Italia - Croazia Resistance Raising awareNess of Maritime Spatial planning importance** incoraggia la cooperazione nazionale e internazionale per stabilire linee guida al fine di preservare la ricchezza e l'ecosistema del Mare Adriatico.

L'iniziativa ha come obiettivo principale quello di **migliorare la qualità ambientale del mare e dell'area costiera** mediante l'uso di **tecnologie e approcci sostenibili**, al fine di ridurre l'inquinamento e proteggere la biodiversità dell'Adriatico.

**Come partecipare**

Per partecipare all'evento è **necessario iscriversi** al seguente [link](#) e **contattare gli organizzatori** per le indicazioni specifiche sul programma della giornata.

**Materiali utili**

- [Locandina](#)

**Ulteriori informazioni**

Contatti degli organizzatori:

- Riccardo Mancin 3477893431
- Laura Felletti Spadazzi 3470733267

**Quando**  
il 05/03/2023 dalle 10:00 alle 11:00

[Aggiungi l'evento al calendario](#)  
[Aggiungi l'evento a Google Calendar](#)

**Dove**  
Pontile di imbarco per l'Isola dell'Amore in via Po Gorino, in località Bacucco di Ariano nel Polesine (RO).

*Figure 3: Press release on the University website:*  
<https://www.unife.it/it/eventi/2023/marzo/unife-plastic-free-odv-onlus-evento-pulizia-spiagge-goro>

## Isola dell'amore, scatta la pulizia della spiaggia «La speranza è che partecipino cento volontari»

### GORO

Anche domenica, come lo scorso anno, i volontari di Plastic Free di Rovigo e Ferrara si impegneranno a rimuovere i troppi rifiuti dall'isola dell'Amore, una lingua di sabbia e vegetazione verso il mare Adriatico che parte dal Delta del Po verso Volano. Un anno fa oltre 100 persone, traghettate dalla terraferma sull'argine sinistro del Po al faro, si impegnarono per tutta la giornata rimuovendo circa 7 tonnellate di immondizia.

L'obiettivo è ripetere le adesioni, con la speranza che il bottino finale dei rifiuti raccolti sia minore. I due organizzatori Laura Felletti Spadazzi, referente per Ferrara e Riccardo Mancini coordinatore nazionale, confida-



no nel consueto entusiasmo dei volontari in maglia blu, sempre pronti a cercare di ridare decoro all'ambiente deturpato dall'inciviltà. Il programma della giornata, patrocinata dal comune di Goro e dal Parco Delta e prevede il ritrovo alle 10, presso il pon-

tile di imbarco in località Bacucco di Ariano nel Polesine (Ro), in via Po Gorino. Una volta traghettati sull'isola gli organizzatori distribuiranno i sacchi. L'attività di raccolta durerà all'incirca fino alle 16, ma è prevista una sosta pranzo intorno alle 13 con la

possibilità di gustare, al costo di 10 euro, un piatto di spaghetti alle vongole preparato sul posto dalla Pro Loco mentre le bevande saranno offerte dai titolari del ristorante Il Faro, oltre al traghettamento gratuito. Per adesioni contattare 347 0733267.

Ci sarà, inoltre una delegazione del Dipartimento di Scienze dell'Ambiente e della Prevenzione dell'Ateneo Estense, nell'ambito del progetto Interreg Resistance Italia-Croazia, che mira a trovare soluzioni congiunte che incoraggino la cooperazione nazionale e internazionale al fine di preservare la ricchezza del mare Adriatico. A completamento Clara lunedì mattina, porterà via i rifiuti che Erik Scabbia titolare del faro avrà provveduto a depositare a Gorino.

cia.casta.

Figure 4a: Press Release: Il Carlino 03/03/2023, which has also been published on the Resistance facebook profile

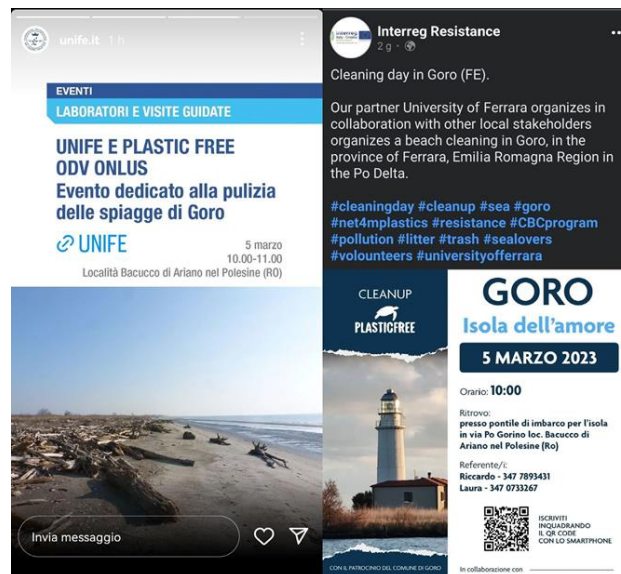


Figure 4b: The information also been published on the stories of the Ferrara University Instagram profile and Resistance Facebook profile



## Event

The cleaning operation of the beach of Goro (FE) occurred the 05/03/2023. The departure and the meeting with the other participants were scheduled at 10:00 am at the embarkation pier of Gorino (figure 5).



*Figure 5: transportation of the participants to the beach of Goro*

Once arrived, big trash plastic bags were provided by the Plastic Free Association to the participants and a brief meeting was performed before the operations in order to illustrate how to proceed and provide some security advices (figure 6). For instance, it was recommended that:

1. Put plastic, paper, textile, rubber items in the bags and collect glass bottle separately
2. To be careful of sharp items like syringes and razors; or anything that may be a biohazard e.g., diapers, etc.
3. Leave organic materials which look like they belong.

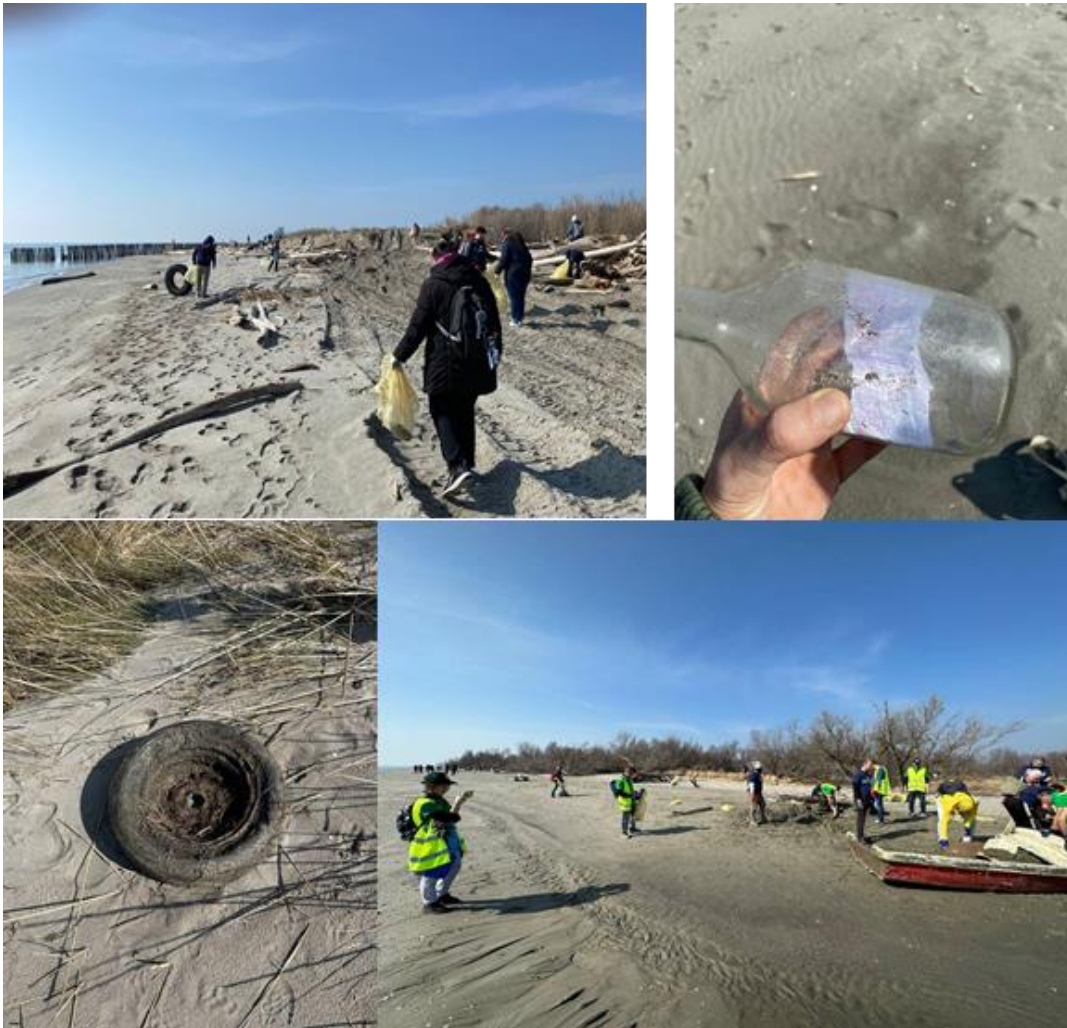
In addition, educational information regarding the ecology and biology of the site itself were also given.



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*Figure 6: Meeting before the cleaning activities*

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*Figure 7a: cleaning operations*

At the end of the activity, all the litter collected (figure 8) were removed by Clara Society (<https://www.clarambiente.it/>), which manages the urban waste for 19 communes of the province of Ferrara.

## Results and Visibility

The registration to the event was performed through the website of the Plastic Free Association. Therefore, for logistic reasons, and since Plastic Free Association has the information, we did not ask the participant to fill the Resistance project form, we only ask some relevant associations to provide us their information.

133 voluntaries (79 women and 54 men) and more than 10 children were registered online to the event on the Plastic Free association website. In addition, 10-20 other people participated to the event without being registered. In total, the cleaning operation at Goro has involved more than 150 people.

Most of the participants came from the province of Rovigo and Ferrara, and secondly from Padova and Ravenna province.

At the end of the journey, about **2 tons** of waste were removed from the beach of Goro (figure8).



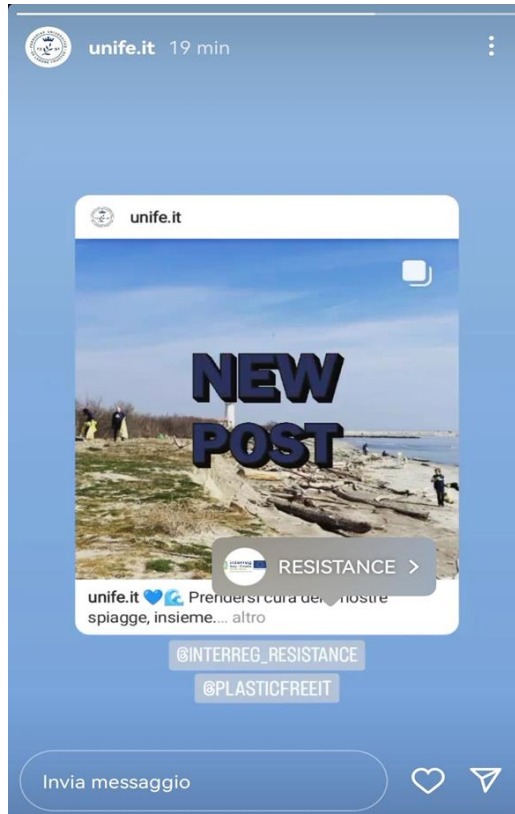
*Figure 8: litter removed*

In this operation, litter are not classified since the aim of this event is to:

- increase awareness on environmental issues related to marine litter
- remove litter from the beach.

However, most of the litter were plastic items (70-80% in agreement with other cleaning operations), and in particular bottles (water bottles for instance) and recipients (sunscreen tubes), phials, jerry cans, buoys, fishing nets. A lot of rigid plastic and polystyrene (fishing boxes)boxes were also removed.

It should also be noted that a huge quantity of plastic fragments (which origin is uncertain) were removed, especially polystyrene fragments that reveal the urgency to develop solutions for such material.



*Figure 9: publication of the event on University of Ferrara Instagram page (<https://www.instagram.com/p/CqGTZ7zrlcs/?igshid=MGU3ZTQzNzY=>)*

## Conclusion

More than 150 people participated in the cleaning operations performed at Goro on March, 5, 2023 and more than 2 tons of litter were removed, mostly plastic items. Consequently, cleaning operation appears to be a good instrument for educating the importance of a cleaner beach to the local “users” and involving them in awareness programs.

In addition, further information could also be provided like, for instance:

1. Installation of dustbins on the beach for the use of beach-goers.
2. Placing awareness boards such as “DON’T LITTER” at the beaches.