**2014 - 2020 Interreg V-A
Italy - Croatia CBC Programme
Call for proposal 2019 Strategic**

MARLESS (MARine Litter cross-border awarenESS and innovation actions)

Priority Axis: Environment and cultural heritage; Specific objective: 3.3 - Improve the environmental quality conditions of the sea and coastal area by use of sustainable and innovative technologies and approaches

3.3.1 n. 5 meetings of the Transnational Technical Group

Activity 3.3

WP 3

Version: FINAL
Distribution: PUBLIC
Date: 30/05/2023

P

P

PROJECT MARLESS

Work Package:	WP3
Activity:	Activity 3.3 Marine litter hot spots identification
WP Leader:	PP2
Deliverable:	3.3.1 n. 5 meetings of the Transnational Technical Group

Version:	Final	Date:	30/05/2023
Type:	Report		
Availability:	Public		
Responsible Partner:	PP2		
Involved Partner	LP, PP2, PP4, PP5, PP6, PP7, PP9, PP10, PP11, PP12		
Editor:	PP2		
Contributors:	/		

DISCLAIMER : PP2 reflects the project MARLESS views; the IT-HR Programme authorities are not liable for any use that may be made of the information contained therein.

P
^

P
^

Minutes

Project partners WP3 Coordination Meeting

held on the **10th of Octoberr 2022, 10:15 – 11:30.**
on **Microsoft Teams**

Summary and conclusions

1. _Monitoring activities_

Cristina Sgubin (ARPA FVG) pointed out that the majority of the monitoring data are missing. For 2021 there are some data, but for 2022, besides Veneto and FVG the rest of the data are missing. She reminded that **all WP3 PPS** have to fill the provided excel templates and upload them on Dropbox.

Mirta Smodlaka (IRB-CIM) confirmed she will conclude the upload soon. They are currently working on the 3rd monitoring.
Regarding mussels' samples collection all the samples have been analysed, now the data need to be examined. She suggested to present the results during the next project meeting, in Venice.

Regione Emilia Romagna shared data for microplastic monitoring made by University of Ferrara via e-mail, but the format used was not the one agreed upon. Daniela Francia (UNIBO) asked to put in contact directly prof. Mistri from Univerity of Ferrara with Cristina Sgubin, for further explanations.
Also for the beached waste there were issues with the format (% used instead of numbers). Martina Monticelli have corrected the files but it has not been uploaded in Dropbox yet. Two samplings have already been done; in October FC will proceed with the third one.

Nicola Ungaro (Arpa Puglia) confirmed that they are on time with the activities. Beached waste sampling has been done in October 2021 and March 2022. Now in October 2022 Arpa Puglia will proceed with the third one. For microplastic they did the first monitoring campaign in April 2022, the second one will be done between October and November.
Cristina Sgubin (Arpa FVG) requested to Nicola Ungaro (Arpa Puglia) the coordinates of the monitored beaches.
ARPA Puglia and Regione Puglia needs to coordinate to share data with Arpa FVG.

Veneto is on time, 3rd monitoring ongoing, data from beached waste are already uploaded,

microplastic monitoring has been done last week, they will upload soon the excel file. FVG closed the monitoring for both microplastic and beached waste.

Deadline: Cristina Sgubin and Nicolò Tudorov underlined that it would be preferable to have all the data on Dropbox, before the Venice meeting (25th of October).

2. *Discussion on WP4-activity with beach concessionaries and Puglia Event*

Mirta Smodlaka (IRB-CIM) brought out the issue with data collected by concessionaires: the methodology in incoherent. Cristina Sgubin agrees that these data are going to be analysed separately and not used together with the rest of monitoring database.
Arpa Veneto and Emilia Romagna are collecting the data.
Arpa Puglia sent data from last year by email, will upload them on Dropbox. Those from this year have already been uploaded.

Mattero Fumarola (Puglia Region) asked the technical group if it is possible to present data form 2021 monitoring during the event "Evento internazionale dei Balnerari" in Bisceglie, on 22nd of November.
Cristina Sgubin reminded that data are still missing and agreed to prepare an explanation of the methodology but not to present the data during the event. Fumarola agreed that data will be presented on another occasion.

3. *WP3.3 Presentation by ARPA FVG on the current status of deliverables D3.3.2, D3.3.3, D3.3.4*

Dario Giaiotti (ARPA FVG) presented the work done so far on the WP3.3 and the current progress of deliverables D3.3.2, D3.3.3 and D3.3.4.

(D3.3.2) Model of dispersion of ML and the massive realisation of all simulations are done. Now they need to work on a final document/report describing the results.
(D3.3.3) the activity of construction of maps of probability of accumulation is ongoing and it is well advanced. Given the extension of the project end, they will further work on it to obtain better results.
(D 3.3.4) they are working on back-trajectories, all the first steps have been done, the massive simulation is missing. They could finish it by the end of the year, but given the project duration extension, they will continue working on it to have more possibilities to connect the marine litter with its sources. In this regard, ARPA FVG also asked the technical group indications of possible areas and trajectories where marine litter is accumulating the most, any comments can be helpful. Also, with the results from the monitoring activities Arpa could link the type of ML with the potential sources to increase the confidence of the maps.

The idea is to share the results from simulations with the technical group to have a peer review to compare numerical results with the experience on the field.

At http://interreg.c3hpc.exact-lab.it/MARLESS/ some simulations are already shared – Dario Giaiotti shared as an example, the page on " Study of dispersion of marine litter".
Nicola Ungaro (Arpa Puglia) asked more information on Punta San Nicola Beach. Claudia Farris explained that is one of the beaches that resulted from the simulations as one with more accumulation. For now she used all the North Adriatic springs of the Italian coast and needs to add the springs form Croatia.
Nicola Ungaro (Arpa Puglia) commented that from his experience that beach is less polluted than others are, considering also that beaches with more beached waste are those with sand and not rocks, gravel or pebbles. He also gave more indications on Puglia beaches with potentially more ML accumulation. Claudia Farris will do the simulations on those.
Dario Giaiotti commented that either the currents are not represented correctly or some important springs are missing. There will be further work and discussion on this point.

Closure of the meeting

Arpa FVG asked if there is the possibility to participate online at the Venice meeting.

A further WP3 meeting will be organised, before the end of the year.

List of participants

Nicolò Tudorov	RAFVG
Anna Giuliani	RAFVG
Marilanda Bianchini	RAFVG
Stefano Miniussi	RAFVG-ARPA FVG
Claudia Farris	RAFVG-ARPA FVG
Cristina Ruini	RAFVG
Cristina Sgubin	ARPA FVG
Dario Giaiotti	ARPA FVG
Mirta Smodlaka	IRB - CIM
Daniel Fassina	ARPAV
Sara Ancona	ARPAV

Daniela Francia	UNIBO
Nicola Ungaro	Arpa Puglia
Matteo Fumarola	Puglia Region
Valeria Angelini	Fondazione Cetacea
Martina Monticelli	Fondazione Cetacea
Anna Maria Pastorelli	ARPA Puglia

Minutes

Project partners WP3 Coordination Meeting

held on the **6ᵗʰ of December 2022, 14.30 – 16.00.**
on **Microsoft Teams**

1. Summary
2. Deadlines set
3. List of participants
Annex: Slides from Dario Giaiotti

1. Summary

The meeting started with a clarification by **Andrea Torresan (ARPAV)** on the number of meetings that need to be held according to the application form.
In WP1 D1.3.6. 10 Technical Group meetings are foreseen. This is the 7ᵗʰ meeting, therefore, 3 more meetings need to be organized.
Five of these ten should be focused on 3.3 activities in order to conclude the deliverable in WP3, D3.3.1.

WP 1
Activity 1.3.
- **D:** 1 Technical Group created and composed by one representative of LP ARPAV, PP2 Region FVG, PP5 UNIDU, PP6 UNIBO, PP7 CMR PP 10 Puglia Region
- **(1.3.6)D:** 10 TG coordination meetings implemented

WP3
Activity 3.1.1
- D 3.1.1: Creation of a technical group that will follow the activities of the WP3. 2 persons representative of the technical partners

Activity 3.3.3
- D3.3.1: 5 meetings of the Transnational Technical Group

Dario Giaiotti (ARPA FVG) proposed to have some more meetings in 2023 to present the 3.3 deliverables drafts to the group.

The group than discussed the following deliverables:

a. *D3.2.1: Report assessing the quantity and composition of marine litter for each indicator in the*

widening area of ML monitoring
Cristina Sgubin (ARPA FVG) underlined that in order to proceed with this deliverable all data need to be collected.
The group agreed on the following **deadlines** to send/share data with ARPA FVG:
28.02.2023 beached litter (everyone) and floating litter (Veneto and IRB);
17.04.2023 microplastics

b. *D3.2.2 Methodology report with the addition of the new approaches and standardization protocols*
The group discussed on the content for this deliverable. Starting from the agreement on a methodology (3.1.3 Agreement on a methodology) each partner should bring up the difficulties faced by following the methodology with the intention of writing a better protocol. (some topics that maybe discussed: harmonization on the use of flowmeter, the problematic with the length of the shores (100 m). Nicola Ungaro underlined the importance of distinguishing problematics taking in consideration territorial differences.

c. *D3.2.3 Monitoring plan to evaluate the impact of plastic pollution*
The group discussed the content for this deliverable. Starting from the experience of Marless, this document will suggest what should be taken in consideration in order to evaluate the impact of plastic pollution. Some suggestions that came out from the discussion: - to do the monitoring not on fixed days but on certain days taking in consideration weather conditions/events (wind, sea storms, presence of strong currents, quantity of rain) or other events (beach cleaning actions by concessionaries or other groups); -linking the on situ sampling with satellites and other technologies for monitoring the ML. 5-10 pages long document foreseen.
It is an important document for future capitalization.

The group also agreed on producing one document divided in two sections, containing deliverables 3.2.2 and 3.2.3, since they are related. Mirta Smodlaka will prepare an index as a starting point on Google Drive. The final document will be uploaded on Dropbox. RAFVG will monitor the advancement.
Deadlines:
Draft Index **by Christmas** (Mirta Smodlaka);
Final Index and beginning of document drafting by **15/01**.
1st draft containing the majority of the content by **15/03**, then it will be integrated with data from monitoring actions.

d. *D4.2.3 1: Assessment of the quantity and composition of marine litter on at least 2 beaches for the 5 regions included in this activity*
The campaigns are concluded. The main problem is the non alignment with how the data have been collected and the format that is needed for database entry. Some PPs have already solved the problem. Veneto and Emilia Romagna are ok. RAFVG data from 2021 are correct, from 2022 need to be revised. Also data from Croatia are incorrect.
Mirta Smodlaka suggested using a relative way (%) to present the results. This document is intended to be informative rather than technical. The final document will be divided in sections for each region, that will write its own considerations
Partners agreed on the following **deadline:** the missing data must be shared in the correct form, with Arpa FVG, by **31/01/2023**. A meeting will follow to discuss the drafting of this deliverable.

Dario Giaiotti (ARPA FVG) shortly presented the deadlines envisioned for the following deliverables:
e. *D3.3.2 n.1 Model of dispersion of floating waste*
The deliverable is composed by three parts:
- the first describes the process followed to identify the numerical model that is used for simulating the dispersion of floating waste. Already released in final version on 15/02/2022;
- the second part deals with the model implementation; it is available as draft. **Deadline:** final version by **31/01/2023**
- the third focuses on the model features and simulation results; it is available as draft. **Deadline:** final version by **31/01/2023**

f. *D3.3.3 n. 1 Maps of probability of accumulation and of removal of waste*
Released as draft on 20/04/2022 ; Next **deadlines**: 2nd draft by **28/02/2023**; Final Version by **31/05/2023**

g. *D3.3.4 n. 1 Model for the calculation of the trajectories of floating objects released into the sea*
Deadlines: draft by 31/03/2023; Final Version by **31/05/2023**

RAFVG will upload available drafts on Dropbox.

2. Deadlines set during the meeting (other deadlines to be set)

Deliverable	December	January	February	March	April	May	June
D3.2.1 (data sent by)			28/02 beached and floating		17/04 microplastics		
D3.2.2	25/12 Index draft	15/01 final index and doc draft start		15/03 1st draft release			
D3.2.3						
D3.3.2		31/01 final document					
D 3.3.3			28/02 2nd draft release			31/05 final document	
D 3.3.4				31/03 1st draft release		31/05 final document	
D4.2.3 (data sent by)		31/01					

Deadlines will be integrated in the file excel on Dropbox.

3. List of participants

Nicolò Tudorov	RAFVG
Marilanda Bianchini	RAFVG
Cristina Sgubin	ARPA FVG
Dario Giaiotti	ARPA FVG
Mirta Smodlaka	IRB - CIM
Sara Ancona	ARPAV
Andrea Torresan	ARPAV
Nicola Ungaro	Arpa Puglia
Rosa Leonetti	Puglia Region
Martina Monticelli	Fondazione Cetacea

Project partners WP3 Coordination Meeting

held on the **9ᵗʰ of March 2023, 11.00 – 13.00.**
on **Microsoft Teams**

1. **Summary**
2. **List of participants**
   Annex: Slides from Dario Giaiotti and Iva Pozniak

1. Summary

The meeting started with a brief introduction by **Nicolò Tudorov (Autonomous Region FVG),** the moderator of the meeting, who provided elucidations about the meeting's agenda and aims. The purpose of the meeting was to discuss some draft deliverables and then finalise a few open issues, needed to achieve some of the deliverables and update the schedule that will consent to distribute a final version of all deliverables **by the second week of June 2023.**
The meeting dealt with the following issues:

1) Brief summary of the activities realised by the team dedicated to WP3.3	*Dario Giaiotti*
2) Presentation of the Deliverable D3.3.2 Model of dispersion of floating waste	*Dario Giaiotti*
3) Presentation of the Deliverable D4.2.2	*Iva Pozniak*
4) Deliverables completed in WP3 and updates:	*All the partners*
a. Discussions on the deliverables part of WP3.2 *b. D3.3.1 n. 5 meetings of the Transnational Technical Group*	
5) Update on data collection WP4 and WP3.2	*All the partners*

The meeting is the **3rd** of the five meetings of the **Transnational Technical Group,** within deliverable **D3.3.1** and the **8ᵗʰ** of the ten meetings agreed on deliverable **D1.3.6**.
The remaining meetings will be scheduled within a restrained time, as agreed by the partners.

The partners then discussed as follows:

1) *Brief summary of the activities realised by the team dedicated to the WP3.3*

Dario Giaiotti (ARPA FVG) provided a general overview of the proceedings and objectives of **WP3.3**, highlighting the importance of deliverables **D3.3.2**, **D3.3.3** and **D3.3.4** within the framework of WP3.3. Notably, he emphasised the relevance of the deliverables' results in supporting future pilot actions in the field.

Furthermore, he clarified to all the partners about the progress made in regard to deliverable **D.3.3.3**, stating that the activity is proceeding correctly; the first draft for this deliverable was released last year and a second draft is being developed integrating the support of satellite images. However, Mr. Giaiotti notified the partners about potential delays in the delivery of the second draft of **D.3.3.3**, which may be finalised **close to the end of the project** (approx. by the **end of May**).
Additionally, he notified the partners about some delays in the production of the second draft of deliverable **D3.3.4**, which is expected to be concluded at the **end of March**.

2) *Presentation of the Deliverable D3.3.2 Model of dispersion of floating waste*

Dario Giaiotti (ARPA FVG) presented in detail the deliverable **D.3.3.2**, arguing about how the model used has been selected to effectively deliver the objective of the deliverable, the implementation of the model, and its features, along with the results achieved.
Mr. Giaiotti used visual material as a support to the presentation, which can be found in Annex1.

After the presentation of the results, the partners commented on the results of the deliverable. **Nicola Ungaro (ARPA Puglia)** commented on the results positively, particularly in reference to some changes that have been made along the process, which assert the reliability of results for the Apulian Coast. Indeed, as a result of functioning communication between the partners, some locations previously selected for the identification of marine litter on the Apulian Coast have been modified.
Moreover, **Andrea Torresan (ARPA Veneto)** asked about the need for potential support for further verification of the results by all the partners. Accordingly, Mr. Giaiotti encouraged the partners to check potential incongruences and asked them to report them to improve the reliability of the results of deliverables D3.3.2 and even D3.3.3. Finally, **Mirta Smodlaka Tanković (Institut Ruder Boskovic)** highlighted the need to further verify some of the locations considered within the Croatian territory, with a specific concern toward Rovinj as the main source of marine litter for Umag instead of Pula for example.

In response, the partners agreed that Marilanda Bianchini or Dario Giaiotti will collect potential comments from the partners which will contribute improve the reliability of the results.
Therefore, the deliverable will be considered concluded after the **partners' verification** expected by **April**.

3) *Presentation of the Deliverable D4.2.2*

Iva Pozniak (Regional agency DUNEA) presented and discussed deliverable **D4.2.2**, namely "*2 shellfish farming involved in the collection of marine litter according to the prescribed methodology*" within the framework of **WP4**. Ms. Pozniak explained in depth the reasoning behind the deliverable along with the objectives, the adopted Community of Practices (CoP) approach, the methodology, and the final results of the data analysis. In her presentation, she used visual material which can be found in Annex 2.
The partners agreed that the deliverable can be considered **concluded** and a **final document is ready**.

4) *a) Deliverables completed in WP3 and updates:*

Mirta Smodlaka Tanković (Institut Ruder Boskovic) discussed with partners the draft developed for the index of the document related to deliverable **D 3.2.1**, giving insights about the structure and content of the draft. The index showcases the data analysis with the related methodologies of beach litter, floating litter, bottom litter, microplastic litter; microplastic biota.
Marilanda Bianchini (Autonomous Region FVG), who is cooperating in developing the index, asked the partners to write down in a shared Google Drive document the activities carried out along with some comments in order to contribute to precisely filling the document. Furthermore, the partners are required to provide some additional information to what Ms. Smodlaka has elaborated. The partners indeed agreed upon maintaining active communication to provide feedback and corrections as soon as possible. The structure of the index was then agreed.
https://drive.google.com/drive/folders/1Xoggzv_qzDdET4LeRAVPLEGCW5LJmVg8?usp=sharing
Moreover, the partners agreed on the content of deliverable **D3.2.2** which includes an extension of the methodology and they negotiated the content of the document of deliverable **D3.2.3**, whereby the data will be organized in geographical areas.

4) *b) D3.3.1 n. 5 meetings of the Transnational Technical Group*

Dario Giaiotti (ARPA FVG) notified the partners about the next Transnational Technical Group Meetings, which pursue maintaining active communication between the partners about the results of deliverables of WP3.3. The meeting will be scheduled once the final draft of the deliverables to

be presented will be ready (**approx. at the end of March**). Mr. Giaiotti shall make sure to notify the partners about the next technical group meeting.

5) *Update on Data collection for wp 4.2 and wp 3.2*

Cristina Sgubin (ARPA FVG) updated the partners about the deliverable **D4.2.3.**
Mrs. Sgubin stated that the data to be analysed are ready, with just a few that are missing and they will be provided by Autonomous Region FVG within the week after this meeting.
Mrs. Sgubin took the chance to inform the partners about some incongruences within the micro-plastics data analysis part of **WP3.2,** which is part of **ARPA FVG** activities. However, the issue was solved as the database employed by ARPA FVG for the monitoring action contained an additional column in the template whereas the one approved for the project did not. Thus, ARPA FVG can operate without any problem.

2. **List of participants**

Nicolò Tudorov	RAFVG
Marilanda Bianchini	RAFVG
Anna Giuliani	RAFVG
Chiara Volponi	RAFVG
Iva Pozniak	DUNEA
Cristina Sgubin	ARPA FVG
Dario Giaiotti	ARPA FVG
Mirta Smodlaka	IRB - CIM
Luka Glamuzina	UNIDU
Marina Brailo Šćepanović	UNIDU
Sara Ancona	ARPAV
Andrea Torresan	ARPAV
Nicola Ungaro	Arpa Puglia
Rosa Leonetti	Puglia Region
Matteo Fumarola	Puglia Region
Martina Monticelli	Fondazione Cetacea
Daniela Francia	UNIBO

Project partners WP3 Coordination Meeting
27th of April 2023 11:00 - 13:00
on **Microsoft Teams**

1. **Summary**
2. **Deadlines set**
3. **List of participants**

Annex: Slides from Dario Giaiotti

1. Summary

The purpose of the meeting was to **discuss some draft deliverables** and **a few open issues,** needed to achieve some of the deliverables and update the schedule that will allow the dissemination of a final version of all deliverables **by the second week of June 2023.**

The meeting is the **4th** of the five meetings of the **Transnational Technical Group,** within deliverable **D3.3.1** and the **9th** of the ten meetings agreed on deliverable **D1.3.6.**

The remaining meetings will be scheduled within a restrained time.

The meeting dealt with the following agenda:

Presentation of the Deliverable D3.3.4: "Model for the calculation of the trajectories of floating objects released into the sea"	Dario Giaiotti, ARPA FVG
Deliverable D3.2.1: A report assessing the quantity and composition of marine litter for each indicator in the widening area of ML monitoring **Deliverable D3.2.2:** Methodology report with the addition of the new approaches and standardization protocols	Mirta Smodlaka, Institut Ruder Boskovic
Deliverable D4.2.3 1:	All the partners

Assessment of the quantity and composition of marine litter on at least 2 beaches for the 6 regions included in this activity	
Other issues	All the partners

The partners then discussed as follows:

1) **Presentation of Deliverable D3.3.4:**
   Model for the calculation of the trajectories of floating objects released into the sea

   Dario Giaiotti (ARPA FVG) has presented deliverable **D.3.3.4**, namely the **model for the calculation of trajectories of floating objects released into the sea**, as part of the **WP3**. The **draft** of the deliverable is **available on the common Google Drive of the project**. The draft reports the model features and its implementation, describes the development and computation implementation of the model, and showcases the results of simulations of marine litter trajectories and back trajectories in the Adriatic Sea. **The final version will be available at the end of May**.
   Dario Giaiotti then clearly explained the reasoning behind this deliverable within MARLESS' framework, the methodology, data analysis, and results along with the potential future developments.

   No further clarifications have been required by the partners after the presentation.

2) **Deliverable D3.2.1:**
   A report assessing the quantity and composition of marine litter for each indicator in the widening area of ML monitoring
   Deliverable D3.2.2:
   Methodology report with the addition of the new approaches and standardization protocols

   Mirta Smodlaka, Institut Ruder Boskovic confirmed to all the partners that she is working with Marilanda Bianchini (Autonomous Region FVG) and Chiara Volponi (Autonomous Regione FVG) on deliverables **D3.2.1 and D3.2.2**.
   Furthermore, she asked the partners **to provide one reference contact for each technical group** involved to effectively complete the reports and correctly add some missing data.
   Therefore, **each partner is required to provide Marilanda Bianchini with one reference**

contact who operated in the monitoring action for beached litter, floating litter, and microplastic within the first week of May.

Sara Ancona (ARPA Veneto) confirmed to be the reference contact for the LP. Regarding the remaining partners, they will provide a reference contact as soon as possible.

Referring to beached litter, Martina Monticelli (Fondazione Cetacea) confirmed that the data collected for Emilia Romagna involved two beaches.

3) Deliverable D4.2.3:
Assessment of the quantity and composition of marine litter on at least 2 beaches for the 6 regions included in this activity

Dario Giaiotti (ARPA FVG) confirmed that Cristina Sgubin is working on deliverable D4.2.3 1. However, he could not provide further information on the developments being not in charge of these tasks.

4) Other issues

In reference to the last monitoring campaign for deliverable D.3.2.1, Mirta Smodlaka, Institut Ruder Boskovic added that Croatia used a distinct instrument with a database that identifies the material of the litter and reveals which object it is. Thus, this might be a pilot action that showcases the composition, the potential source, and further data. The results will be released soon.

Finally, Dario Giaotti (ARPA FVG) announced to the partners that deliverable D3.3.3 will be potentially finalised at the end of May as ARPA FVG has to collect all the info related to the satellite data. However, some preview data can be presented for the final event in Dubrovnik (17th and 18th of May).
Stefano Miniussi (ARPA FVG), confirmed that the accomplishment of D.3.3.3 is taking some time as he is conducting a deep analysis with machine-learning techniques, but preliminary results for the final event will be provided.

2. Deadlines and decisions set during the meeting

DELIVERABLE	TASK	DEADLINE
D.3.3.1 / D.3.3.2	Every technical group is required to provide a reference contact to Marilanda Bianchini	Within the FIRST week of MAY (05/05)

3. List of participants

Nicolò Tudorov	RAFVG
Marilanda Bianchini	RAFVG
Anna Giuliani	RAFVG
Chiara Volponi	RAFVG
Dario Giaiotti	ARPA FVG
Stefano Miniussi	ARPA FVG
Claudia Farris	ARPA FVG
Mirta Smodlaka	IRB - CIM
Katica Butigan	UNIDU
Sara Ancona	ARPAV
Matteo Fumarola	Puglia Region
Nicola Ungaro	ARPA Puglia
Daniela Francia	UNIBO
Martina Monticelli	Fondazione Cetacea

Project partners WP3 Coordination Meeting

held on the **17ᵗʰ of May2023, 15.15 – 16.15**
offline in **Dubrovnik** and **online** on **Microsoft Team**

The meeting was held in Dubrovnik during the last **MARLESS Project Meeting,** and it was the **5th** of the five meetings of the **Transnational Technical Group** within deliverable **D3.3.1** and the **10ᵗʰ** of the ten meetings agreed on deliverable **D1.3.6.**
The meeting mainly drawn attention on the developments regarding **D.3.3.3**.

1) Presentation of deliverable D.3.3.3

Stefano Miniussi (ARPA FVG) presented in detail deliverable **D.3.3.3,** namely the detection of areas of accumulation of floating waste through remote information satellite images of the ESA.
Stefano Miniussi provided the partners with information about the process implemented to deliver the deliverable and presented the expected results of the action along with the challenges encountered.
Finally, he shared with the participants the expected date for the final report, namely end of **June 2023,** before the closing of the project.

In addition, the partners discussed as follows:

2) Clarifications regarding D3.2.1 and D.3.2.1

Marilanda Bianchini (RAFVG) and Mirta Smodlaka (IRB) informed the partners about the advancement of the deliverables, which will be drafted in cooperation and with the data delivered by the whole partnership.

Cristina Sgubin (ARPA FVG) informed the partners that the analysis of the different categories of litter necessary to accomplish D3.2.1 and D.3.2.1 will be delivered on time, approximately in the **second week of June**.

Annexes: Meeting agenda and slides