

*IMPLEMENTATION OF THE INDICATOR OF MARINE LITTER ON SEA TURTLES AND BIOTA IN RSC AND
MSFD AREAS (INDICATOR IMPACT TURTLE)*



GA11.0661/2016/748064/SUB/ENV.C2

INDICIT

DISSEMINATION FINAL REPORT

Deliverable D5.7

Project Full Title	IMPLEMENTATION OF THE INDICATOR OF MARINE LITTER ON SEA TURTLES AND BIOTA IN RSC AND MSFD AREAS		
Project Acronym	INDICIT		
Grant Agreement n°	11.0661/2016/748064/SUB/ENV.C2		
Coordinator, institution	C. MIAUD, EPHE-CNRS		
Start date, duration	1st of February 2017, 24 months		
Project website	in prep.		
Deliverable n°	5.7	Deliverable Date	January 31, 2019
Work Package n°	5		
Work Package Title	DISSEMINATION, COMMUNICATION AND OUTREACH		
Responsible	F. CLARO		
Authors, institute acronym	F. CLARO & J. MOUSSIER, MNHN		
Status:	Final (F)	(F)	
	Draft (D)		
Y	Revised draft (RV)		
Dissemination level:	Public (PU)		
	Restricted to other program participants (PP)		
	Restricted to a group specified by the consortium (RE)		
	Confidential, only for members of the consortium (CO)	(CO)	

Table of content

1. Context and objectives	4
2. Target audiences	4
3. Dissemination actions	5
3.1. Technical RSC/RSFD meetings	5
Information about INDICIT project were disseminated throughout the project, during different relevant technical MSFD and RSCs meetings.	5
3.2. Scientific conferences.....	5
3.3. Tool kit.....	5
3.3.1. Standardized protocol	5
3.3.2. Video tutorial for data collection by researchers and technicians (10-15 min).....	6
3.4. Trainings	6
3.5. Athens dissemination meeting.....	7
3.6. Other dissemination actions	7
4. Coordination with other projects.....	7
5. Evaluation.....	7
6. Continuity after the project.....	8

1. Context and objectives

The context of INDICIT project is detailed in the communication plan.

INDICIT project consists of 5 workpackages. The Activity 5 (Communication, dissemination and outreach) aimed at communicating about the project and its outcomes 1) by providing technical tools for the implementation of a monitoring on debris impacts to the potentially concerned stakeholders within or outside INDICIT program, and 2) by communicating about the project context, objectives and results towards a general audience in order to raise public awareness.

MNHN is leader of this workpackage, to which all partners contributed.

The work-package 5 comprised 2 tasks :

- Task 5.1: Dissemination of the developed tools for the monitoring of litter impacts on sea turtles,
- Task 5.2: Communication activities

The geographical coverage of the INDICIT project included the following countries: France (CNRS and MNHN), Italy (CNR-IAMC and ISPRA), Greece (HCMR), Spain (UVEG and ULPGC), Portugal (FRCT), Turkey (PAU-DEKAMER) and Tunisia (INSTM). These countries are contracting parties to the following Regional Sea Conventions: the Barcelona Convention (France, Italy, Spain, Greece, Turkey, Tunisia) and the OSPAR Convention (France, Portugal, Spain).

Task 5.1 aimed at targeting monitoring coherence at a larger scale :

- by disseminating the project outcomes (tools, approaches and knowledge), and
- by providing support for improving the standardized monitoring of debris impacts on marine environments in regions beyond the MSFD Member states represented in INDICIT as well as beyond MSFD current areas (e.g., Southern Mediterranean countries, French overseas).

The INDICIT dissemination final report is the deliverable 5.7 and describes the actions undertaken during the project.

2. Target audiences

The target audiences for disseminating the tools developed by the project are the stakeholders concerned by the monitoring of impact of debris on biota:

- Decisional stakeholders (policy makers, marine protected area managers, local authorities, national authorities, country delegates/ representatives of Ministries, European Union, local governments and municipalities)
- Secretaries and national focal points of Regional sea conventions and fisheries management organizations
- Specific expert and technical groups
- Rescue centers and stranding networks
- Scientists and laboratories in charge of analysis
- Non-governmental organization involved in monitoring of impact of marine debris on marine biota.

3. Dissemination actions

3.1. Technical RSC/RSFD meetings

Information about INDICIT project were disseminated throughout the project, during different relevant technical MSFD and RSCs meetings (see below).

During the course of the project, INDICIT partners attended **6 technical meetings** (ICG-ML meetings, Working Group GES, MSFD Technical Group on Marine litter etc.) and had regular exchanges with members from RSC/RSFD.

The detail of INDICIT meetings attendance and collaborations can be found in **Annex 1**.

3.2. Scientific conferences

From January 2017 to January 2019, information about INDICIT was disseminated regularly to the scientific community during national and international conferences.

INDICIT participated to **6 international conferences**, and **3 national conferences** and disseminated **14 posters**, gave **14 oral presentations** of INDICIT work, and (co-)animated **4 workshops (Annex 2)**.

The detail of the participation to scientific conferences can be found in Annex 2, and some example of posters disseminated in **Annex 3**.

The participation of INDICIT to the main scientific conferences is also documented on the website with pictures and details on the [“Announcements” section](#), and was shared on INDICIT Facebook page.

3.3. Tool kit

3.3.1. Standardized protocol

A **standard protocol** (Figure 1) for monitoring marine litter impacts on sea turtles (including a standard observation sheet) was created collaboratively with Activity 2, 3 and 4, with comments from the External Advisory Board and other stakeholders.

For a **wider dissemination**, the protocol was translated by INDICIT partners and is available in **5 languages**: English, Arabic, Greek, Spanish, French.

An **area of the website dedicated to tools** dissemination (protocol, observation sheet, videotutorial) and **other resources** (guidance, publications, pilot and feasibility studies).

The standard protocol is downloadable in PDF versions on the INDICIT website, in the [“Protocols” section](#), and was disseminated directly by e-mail to stakeholders by the partners.



Figure 1: Cover page of INDICIT standard protocol and observation sheet

3.3.2. Video tutorial for data collection by researchers and technicians (10-15 min)

This video will consist in a **tutorial for the implementation of the protocols** (e.g, necropsy, digestive tract analysis, debris classification). The creation of this video will be co-supervised by ISPRA, CNRS and MNHN with the support of all the INDICIT partners and collaborators interested in.

This video has been submitted to JoVE (peer-reviewed scientific video journal), and will be published on INDICIT website as soon as it is accepted by the journal.

3.4. Trainings

In order to share INDICIT methodology to all stakeholders, partners animated regular training sessions throughout the project, with national or international stakeholders.

In total, **14 training sessions** to standardize litter ingestion methodologies were organized, allowing **256 stakeholders** to be trained to a common monitoring approach (Figure 2).

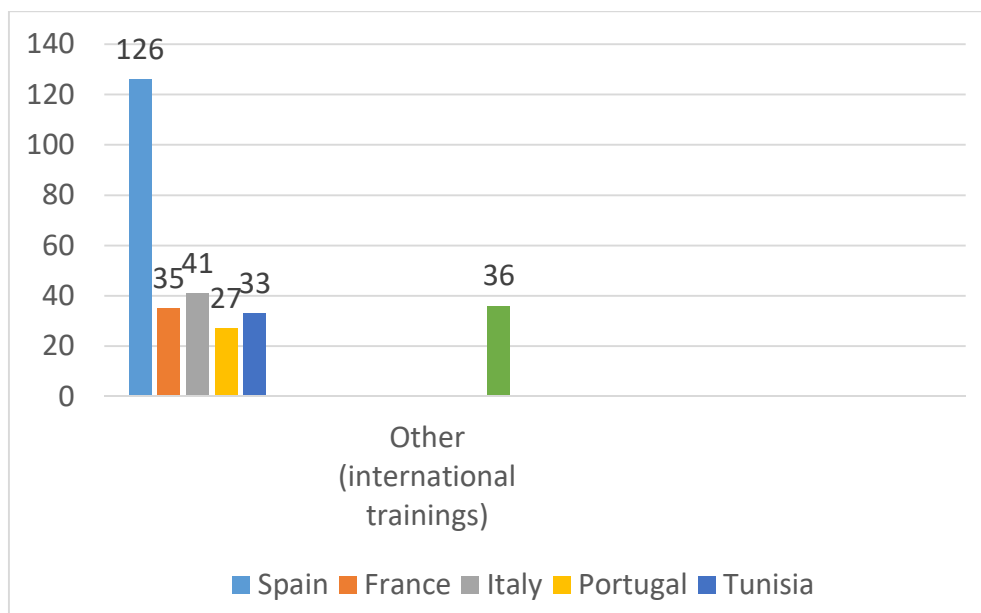


Figure 2: Number of stakeholders trained by country

The details of the training sessions are available in **Annex 4**.

3.5. Athens dissemination meeting

INDICIT dissemination meeting took place in Athens on December 4th, 2018, co-organized by HCMR and WP5 leader MNHN. A **“save-the-date”** was created by WP5 for the meeting, and was sent by all partners to **95 stakeholders**.

During the meeting, INDICIT current results and the standard protocol for marine debris ingestion by sea turtles was presented, and the videotutorial created by ISPRA in the frame of INDICIT was also showed to the participants.

During the afternoon, two **panel discussions** gathering EU, RSCs and national authorities representatives, as well as NGOs discussed the integration of INDICIT results in national and international policies, and the challenges of the implementation of a common methodology.

The event was attended by **47 stakeholders from 9 countries: 27 persons in Athens, while more than 20 persons were connected on the livestreaming**, and able to comment and ask questions to the speakers.

The participants list included **representatives from: EU – DG ENV, MEDPOL, OSPAR / HELCOM, MSFD TGML, French National Authority (MTES), Spanish National Authority (MAPAMA), Portuguese National Authority (DRAM), MEDASSET...**

Most of the stakeholders expressed their wish to use the standardized tools and several actions were agreed with policy makers for integrating INDICIT results in the working agendas of EU and RSCs, in particular the harmonization of protocols for monitoring ingestion of debris by sea turtles between EU, OSPAR (CEMP to be prepared by INDICIT) and Barcelona convention (UNEP MAP protocol to be harmonized by INDICIT through RAC SPA).

More information about the meeting (pictures, agenda, presentations) can be found on the [dedicated news](#) shared on INDICIT website.

3.6. Other dissemination actions

The participation of INDICIT partners to other dissemination actions (events, exchanges with stakeholders etc.) allowed to reach **196 stakeholders**.

The details of these actions can be found in **Annex 5**.

4. Coordination with other projects

INDICIT partners worked to build synergies with other projects, and in particular with EU projects. The interactions with other European projects initiated since the beginning of INDICIT project allowed cross participations to project meetings, regular knowledge exchange and discussions about data sharing.

INDICIT **collaborated** in particular **with 11 projects**: MEDCIS, MEDSEALITTER, MISTIC SEAS II, MARCET, LIFE IP INTEMARES, PLASTIC BUSTERS MPAs, BASEMAN, IDEM, QUIETMED, CLEANATLANTIC, EUROTURTLES.

The details of these coordination actions can be found in **Annex 6**.

5. Evaluation

The following summary of indicators allows to evaluate the spread and success of dissemination:

Number of posters, presentations and workshops delivered during meetings and conferences	32
Number of participants to the dissemination meeting	47
Number of participants to the training sessions	256
Numbers of participations to technical meetings	6

6. Continuity after the project

The results of the project will continue to be disseminated after the final meeting, through the same channels than those listed in the present plan, thanks to the next project entitled INDICIT II.

ANNEX 1

LIST OF TECHNICAL MEETINGS ATTENDED BY INDICIT

CATEGORY (MFSD/RSC)	TYPE	PARTICIPANT	TITLE	DATE	LOCATION
UNEP MAP	Presentation INDICIT (slides in a presentation about monitoring)	MNHN	Ecosystem Approach Correspondence Group on Marine Litter Monitoring	February 28 – 2 March, 2017	Madrid, Spain
OSPAR	Oral abstract of INDICIT actions	AB (F. Galgani)	EIHA committee meeting	April 3-7, 2017	Cork, Ireland
OSPAR	Presentation of INDICIT (slides)	MNHN	ICG-ML	May 22-24, 2017	Calvi, Corsica
MSFD	Presentation of INDICIT (slides)	ISPRA	MSFD Technical Group on MarineLitter	08-June-2017	Gdansk, Poland
MSFD	Presentation of INDICIT results	CNRS	Working Group GES	March 22, 2018	Brussels, Belgium
OSPAR	Presentation of INDICIT progress	CNRS	ICG-ML	November 12-14, 2018	Edinburgh
RAC SPA		INSTM	Organization of sub regional training session on marine debris and sea turtles (ingestion and entanglement) with RAC SPA Barcelona and Marine Litter Med	November 1-2, 2018	Monastir, Tunisia
OSPAR	Preparation of France participation to COP	CNRS/MNHN/M TES	France input on CEMP protocol for sea turtle debris ingestion indicator	November 26, 2018	Skype meeting
UNEP MAP	Discussion possible collaboration	CNRS/MNHN/IS PRA	Future harmonization of RAC SPA and INDICIT protocols	regular exchanges in 2018	
UNEP MAP	Formalisation collaboration	CNRS/ISPRA/M NHN	Future harmonization of RAC SPA-INDICIT-MEDSEALITTER protocols and participation to Regional planning Strategy	January 22, 2019	Skype meeting

ANNEX 2

LIST OF INDICIT PARTNERS PARTICIPATION TO SCIENTIFIC CONFERENCES

TYPE	NAME	PARTNERS	DISSEM. TYPE	DATE	LOCATION
INTERNATIONAL	ISTS	All partners	4 posters + participation to a ML workshop	February 18-20, 2018	Kobe, Japan
INTERNATIONAL	6IMDC	MNHN/ISPRA/IMAR	3 presentations	March 12-16, 2018	San Diego, California
INTERNATIONAL	6th MEDTURTLE	MNHN/CNRS/UEVEG	Co-animation of a workshop	October 17, 2018	Porec, Croatia
INTERNATIONAL	6th MEDTURTLE	All partners	1 Poster	October 17, 2019	Porec, Croatia
INTERNATIONAL	6th MEDTURTLE	ISPRA	1 poster	October 12-16, 2018	Porec, Croatia
INTERNATIONAL	6th MEDTURTLE	CNR	1 poster	October 12-16, 2018	Porec, Croatia
INTERNATIONAL	6th MEDTURTLE	UEVEG	3 posters + 1 oral presentation	October 12-16, 2018	Porec, Croatia
INTERNATIONAL	MICRO 2018	ULPGC/CNR	2 workshops + 1 poster + 1 talk	November 19-23, 2018	Lanzarote, Spain
INTERNATIONAL	MICRO 2018	ISPRA	2 posters	November 19-23, 2018	Lanzarote, Spain
INTERNATIONAL	MICRO 2018	IMAR	1 oral presentation	November 19-23, 2018	Lanzarote, Spain
INTERNATIONAL	MICRO 2018	UEVEG	1 poster	November 19-23, 2018	Lanzarote, Spain
NATIONAL	Marine Turtle National Meeting in the XV Portuguese-Spanish Herpetology Conference	ULPGC / UEVEG	1 oral presentation + 1 poster	September 5, 2018	Salamanca, Spain
INTERNATIONAL	European Cetacean Society conference	EAB (Benjamin Guichard)	Presentation of INDICIT results during a workshop	April 6-10, 2018	La Spezia, Italy
INTERNATIONAL	EGU	CNR	Presentation of INDICIT and sea turtles litter ingestion	April 8, 2018	Vien, Austria
INTERNATIONAL	ISTS	All partners (CNRS)	Co-animation of a ML workshop	February 2-8, 2019	Charleston, USA
NATIONAL	3d GTMF Colloquium	CNRS/MNHN	2 oral presentations	November 12-16, 2018	La Rochelle, France
INTERNATIONAL	EUROMarine Model plastics	IMAR	1 oral presentation	April 26-27, 2018	Porto, Portugal
INTERNATIONAL	Aircenter 4th high-level industry science government dialogue on Atlantic interaction	IMAR	1 oral presentation	November 20, 2018	Las Palmas, Spain
NATIONAL	5th national sea turtle symposium	PAU-DEKAMER	Presentation of DEKAMER studies (slides in international collaborations)	December 5-8, 2017	Kuşadası, TURKEY

[illegible]

Assessment of litter ingestion by loggerhead sea turtles (*Caretta caretta*) in the Mediterranean Sea, an INDICIT outcome

G.A. DE LUCA¹, G. D'AMICO², A. CANEDOLA³, V. KASKAS⁴, M.N. BRADAT⁵, J. TOMÁS⁶, C. SILVESTRI⁷, C. TSANGARIS⁸, A.L. LOZA⁹, M. VALE¹⁰, C. PHAN¹¹, F. CLARO¹², D. SZOBLEN¹³, G. CHAIRES¹⁴, O. RIVERA¹⁵, H. KASER¹⁶, M. MATTOCCI¹⁷ AND C. MIAUD¹⁸

Introduction

Marine anthropogenic litter is considered a pollutant that affects marine environments causing harm to the marine fauna and particularly to sea turtles. The European Commission issued the 2008/56/EC Marine Strategy Framework Directive (MSFD) (GEQCo2) with the objective of achieving the Good Environmental Status (GES)

The project INDICIT (GEQCo2) collected standard data to monitor litter ingestion by alive and dead sea turtles in both the Mediterranean and in the North-East Atlantic, following a standard protocol (GEQCo2) established by the consortium and an advisory board (representatives of national authorities) with the partnership of the stakeholders (e.g. rescue centres and stranding networks). The protocol can be requested to: marco.miaud@ipzambiente.it or coordination@indicit.europa.eu

The project INDICIT (GEQCo2) collected standard data to monitor litter ingestion by alive and dead sea turtles in both the Mediterranean and in the North-East Atlantic, following a standard protocol (GEQCo2) established by the consortium and an advisory board (representatives of national authorities) with the partnership of the stakeholders (e.g. rescue centres and stranding networks). The protocol can be requested to: marco.miaud@ipzambiente.it or coordination@indicit.europa.eu

Results

From 2000 to 2018, a total of 688 loggerhead turtles were collected. Of these, 229 individuals were found alive, while 443 individuals were dead

Discussion and conclusions

These results are critical to confirm *Caretta caretta* as a target indicator species for monitoring the impact of marine litter on board. Ongoing analyses will help in determining the best scenarios to obtain GES values according to the following scenarios which have been targeted by the INDICIT consortium:

1st Scenario: "There should be less than X% of loggerheads having 1 g or more plastic in the stomach in samples of 50 stranded loggerheads from each sub-region", where X is the average value of plastic ingested and X% the percentage of sea turtles with more than X% of plastics than X"

2nd Scenario: "There should be less than X% of loggerheads having more plastic than food remains (F00) in the stomach in samples of 50-100 stranded loggerheads from each sub-region", where there is no free value. Plastic grams are compared with food remains for each loggerhead

Mediterranean facing countries, involved in the MSFD and the Barcelona Convention process, are invited to join the network and participate in the collection of data using a harmonised approach

ANNEX 4

LIST OF TRAININGS TO INDICIT METHODOLOGY

COUNTRY	ORGANIZER	TYPE	DETAILS	DATE	LOCATION	AUDIENCE	NUMBER OF PARTICIPANTS
ITALY	ISPRA	INTERNATIONAL	Protocol ingestion sea turtles	July 6, 2017	Portici, Italy	International Med stakeholders (invited by MEDPOL/ UNEPMAP)	26
ITALY	ISPRA	NATIONAL	Protocol ingestion sea turtles	June 26, 2017	Rome, Italy	Italian stakeholders	30
ITALY	ISPRA	NATIONAL	Protocol ingestion sea turtles	September 6-7, 2017	Teramo, Italy	Italian stakeholders	6
ITALY	ISPRA	NATIONAL	Protocol ingestion sea turtles	October 24-25, 2017	Palermo, Italy	Italian stakeholders	5
TUNISIA	INSTM	NATIONAL	Training	August 17, 2017	Monastir, Tunisia	Students, people involved in rescue centers and stranding networks	33
TUNISIA	INSTM	INTERNATIONAL	Sub regional training session on marine debris and sea turtles (ingestion and entanglement)	November 1-2, 2018	Monastir, Tunisia	Scientifics from Libya, Morocco, Algeria, Lebanon & Tunisia	10
SPAIN	ULPGC	LOCAL	Local training: protocol ingestion + entanglement sea turtles	August 18, 2017	Arrecife, LANZAROTE	Environmental Agents and technical staff of Lanzarote Island Regional Government (Cabildo Insular), City Councils, Local and National Police, Firemen, etc.	20
SPAIN	ULPGC	LOCAL	Local training: protocol ingestion + entanglement sea turtles	January 25, 2018	Santa Cruz de la Palma, LA PALMA Island	Environmental Agents and technical staff of La Palma Regional Government (Cabildo Insular), City Councils, Local and National Police, Firemen, etc.	15
SPAIN	ULPGC	LOCAL	Local training: protocol	January 30, 2018	Puerto del Rosario,	Environmental Agents and technical staff of	15

			ingestion + entanglement sea turtles		FUERTEVENTURA Island	Fuerteventura Regional Government (Cabildo Insular), City Councils, Police, Ports Agents, and other collaborators.	
France	CNRS	NATIONAL	Protocol ingestion sea turtles	November 12-16, 2018	La Rochelle, France	French Marine Turtle Group members	15
France	CNRS	LOCAL	Local training session on autopsy and protocol litter ingestion sea turtle	December 8, 2017	Nimes, France	Veterinarians and biologists from rescue centers and stranding networks	5
Portugal	FRCT	LOCAL	Local training	December 4, 2018	Faial island, Azores	stranding networks stakeholders	27
SPAIN	ULPGC	LOCAL	Local training: protocol ingestion + entanglement sea turtles	July 5, 2018	Gran Canaria	technicians from different authorities which usually collaborate in the regional stranding network, council technician, port agents, environmental rangers, etc., private organizations	20
SPAIN	ULPGC	LOCAL	Local training: protocol ingestion + entanglement sea turtles	July 10, 2018	Tenerife	technicians from different authorities which usually collaborate in the regional stranding network, council technician, port agents, environmental rangers, etc., private organizations	29

ANNEX 5

LIST OF OTHER DISSEMINATION ACTIONS

COUNTRY	PARTNER	TYPE	EVENT / ACTION	DATE	LOCATION	AUDIENCE	NUMBER OF PARTICIPANTS
France	CNRS	information/cooperation	Local launch of INDICIT	June 7, 2017	Montpellier, France	rescue centers, stranding networks, scientists, participative observatories, local administrations	35
France	MNHN, CNRS	Presentation	Training session of the French Mediterranean sea turtle stranding network (RTMMF)	September 11, 2017	Sete, France		20
Spain	ULPGC	Presentation	Presentation to Canary Islands stakeholders	June 19, 2017	Gran Canaria Island	Canary Island stakeholders	30
France	CNRS	Presentation	Presentation of INDICIT to Agnès Pouliquen, in charge of the animation of the themed meeting "Biodiversity and marine and coastal environments" of the French National Biodiversity Observatory (part of the French Biodiversity Agency)	September 28, 2018	France	Agnès Pouliquen, in charge of the animation of the themed meeting "Biodiversity and marine and coastal environments" of the French National Biodiversity Observatory (part of the French Biodiversity Agency)	1
Spain	ULPGC	Presentation	CONAMA National Environmental Conference (Spain)	November 26, 2018	Madrid, Spain	National marine debris projects	80
Malta	BlueMed Initiative	Poster	2nd BLUEMED Project Coordinators' Meeting: Sustaining the lessons learned and enhancing the BLUEMED Initiative synergies.	January 25, 2019	Malta	BlueMed Initiative members and Projects' Coordinators	30

ANNEX 6

COORDINATION WITH OTHER PROJECTS

PROJECT	PROJECT TYPE	COORD. TYPE	PARTNER	NAME	DATE	LOCATION
MEDCIS	DG ENV	presentation of indicit	ISPRA	MEDCIS - kick off meeting and activities meeting	May 4, 2017	Rome, Italy
MEDSEALITTE R	Interreg Med	presentation of indicit, interactions among the projects	CNRS	CEFREM (Perpignan university)	January 12, 2018	Perpignan, France
MEDSEALITTE R	Interreg Med	Exchange	ISPRA	3d scientific meeting MEDSEALITTER	September 20-21, 2017	Villa Simius
MARCET	Interreg MAC2014-2020	knowledge-transfer conference	ULPGC / FRCT / DRAM	Knowledge transfer Conferences	November 29, 2017	Las Palmas de Gran Canaria, Spain
MISTIC SEAS II	DG ENV	knowledge-transfer conference	ULPGC / FRCT / DRAM	Knowledge transfer Conferences	November 29, 2017	Las Palmas de Gran Canaria, Spain
LIFE IP INTEMARES	LIFE Project	knowledge-transfer conference	ULPGC / FRCT / DRAM	Knowledge transfer Conferences	November 29, 2017	Las Palmas de Gran Canaria, Spain
LIFE IP INTEMARES	LIFE Project	Presentation of INDICIT	ULPGC/UEVG	National coordination meeting for rescue centers	June 14, 2017	Valencia, Spain
MEDCIS	DG ENV	presentation of INDICIT progress	HCMR	First annual assembly of MEDCIS project	February 21-23, 2018	Athens, Greece
MEDSEALITTE R	Interreg Med	Participation to the project meetings	HCMR/CNRS/UEVG/ISPRA	4th Technical and scientific meeting	May 9-10, 2018	Valencia, Spain
MARCET-MISTIC SEAS II		Presentation of INDICIT	FRCT	MARCET-MISTICSEAS 2 dissemination workshop	August 6, 2018	Azores
PLASTIC BUSTERS MPAs	Interreg Med	Presentation of INDICIT and participation to a technical workshop	MNHN / ISPRA / HCMR	Plastic Busters MPAs Technical workshop on Marine litter monitoring	November 8, 2018	Bonifacio, Corsica
BASEMAN	JPI OCEANS	Presentation of INDICIT results	CNR	Baseman Meeting during MICRO 2018	November 23, 2018	Arrecife, Lanzarote
IDEM	DG ENV	Presentation of INDICIT	CNRS	Workshop "First assessment of the Mediterranean Environmental status"	September 6, 2018	Malta
QUIETMED	DG ENV	Exchange	CNRS	Possible collaboration on elaboration of anthropogenic risks areas	May 2018	emails

MEDCIS	DG ENV	Exchange	CNRS/HCM R	Exchange knowledge (general)	2018	
MISTIC SEAS II	DG ENV	Exchange	CNRS/FRCT/IMAR/ULPG C	Discussion for data sharing (sea turtle body condition)	2018	
CLEANATLANTIC		Exchange	CNRS/MNH N	Discussion data banking	November 2018	
EURO TURTLES	LIFE Project	Exchange	CNRS/MNH N	Discussion sharing knowledge	October 2018	
MEDCIS	DG ENV	Presentation INDICIT project	CNRS	Final meeting	January 31, 2019	Brussels Belgium (Skype)