



D5.5 Workshops

Grant Agreement Nº	EASME/EMFF/2017/1.2.1.12/52/03/552.789390		Project Acronym	OCEANETS		
Project Title	Technological approaches for circular economy solutions in terms of prevention, recover, re-use and recycle of fishing gears to obtain added-value products in the textile industry					
Funding scheme	Sustainable Blue Economy: marine litter					
Start date of project	01/01/2019		Duration of project	30 months		
Project coordinator	AIMPLAS					
Due date of Deliverable:	Month 24	Actual date of Deliverable:	Month 30			
Participant responsible:	ARVI	Work Package related	5			
Dissemination Level (mark with an 'X' in the column to the far right)	CO	Confidential, only for partners of the Consortium (including the Commission's Services)				
	PU	Public				
	PP	Restricted to other programme participants (including the Commission Services)				
	RE	Restricted to a group specified by the Consortium (including the Commission Services)				

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Overview

Deliverable 5.5 comprises a summary of the workshops held with representatives of the fishing sector (captains, skippers, nets manufacturers, scientific observers) as well as Authorities, people of the Textile Industry and academia.

Work package 5 is led by ARVI and deliverable 5.5 was elaborated by ARVI as well.

Description and objectives

This report compiles the actions taken to engage the stakeholders in awareness activities, the design of the ICT tool, for and by fishermen and the workshop on Circular Economy. The objectives were

- To raise awareness among fishermen on the damage that ghost fishing produces to the environment and its detrimental impact on ecosystems, that unavoidably damages fisheries as well
- To engage the fishing sector in the design of a tool that is useful and easy to use, and to train them in the use of said ICT tool

Methodology

For the Workshops collecting feedback from the final users and explaining the operation of the ICT tool, presentations were put together (designed for the target audience) and real-time tests sharing the screen of a computer took place, explaining how to create an account, create a hotspot and download the data.

In the case of individual workshops, held with captains and skippers either at their ship or at ARVI's headquarters, a hand-held device with internet (the captain's phone or tablet) was used to explain in real time the usage of the ICT tool.

In the specific case of the Workshop held for the members of the different associations, it was taken into account that the attending personnel were management or fish shipowners. The presentations were adapted to include background on the legal status of marine litter and discarded nets.

In all cases, a background of the project was provided and social media accounts were shown.

Main results

Awareness Activities

Awareness and engagement activities, led by Asociación Vertidos Cero were organized in the framework of WP1 and its results were presented in Deliverable 1.2.

May 23rd, 2019

November 15th, 2019

June 18th, 2020

ICT tool development and presentation Workshops

15/11/19 Workshop for captains, skippers and nets manufacturers. ARVI



Fig. 1 Workshop with captains, skippers and net manufacturers to gather information on the usability of the tool



Fig. 2 During the Workshop, several participants of the related Project Nettag learnt how to use the ICT tool.

04/06/2020 Workshop for the representatives of the Fishing Associations.at ARVI's Headquarters



11/06/2020 Workshop for captains and skippers at ARVI's Headquarters



Fig. 3 Rosa Meijide (ARVI), Jorge Romón (ARVI) and Rubén Rodríguez (AV0)



Fig. 4 Captains and skippers affiliated to ARVI's fleet, weighing in the design of the ICT tool

13/06/2020 Workshop with NOVO ALBORADA crew: Jorge Romón (ARVI) and Rubén Rodríguez (AVO) explained to the NOVO ALBORADA crew the



Fig. 5 At José Cesáreo S. L headquarters with the captains of the NOVO ALBORADA ship



Fig. 6 Aboard the ship, explaining the functions of the ICT tool and the integration with the software of the ship

01/10/2020 Workshop for captains. Aboard NOVO MORRIÑA ship





This project has received funding from the European Union EASME's European Maritime and Fisheries Fund under Grant Agreement no. EASME/EMFF/2017/1.2.1.12/52/03/552.789390

14/10/2020 Workshop for the Scientific Observer and teacher of observers Jose Fernández Franco (Organización de Productores de Pesca Fresca del Puerto de Vigo, OPPF-4)



11/12/2020 Workshop for captains and skippers. ARVI

03/02/2021. Workshop for IEO observers. Online

The screenshot shows a web browser window titled "Unirse a la conversación" with the URL <https://oceanets.appspot.com>. The page features the Oceanets logo and the European Union flag indicating funding. A map of the North Atlantic is displayed, with several yellow dots representing fishing gear locations. A callout box over one dot is labeled "ARRASTRE" and provides coordinates: Latitude: 40.35, Longitude: -9.15, Profundidad: 1000 m, and Referencia: 1.09. Below the map, there are logos for partners: ARVI, ECOALF, SINTEX, AIMPLAS, and H-Mark. At the bottom, a video conference interface shows five participants: Rubén AVC (Invitado), AR, JL, I, J, José Miguel Serna (Invitado), Jorge Romón-ARVI, and Rubén AVC (Invitado). The video feed for José Miguel Serna and Jorge Romón is visible.

12/02/2021. Workshop for IPD observers. Online

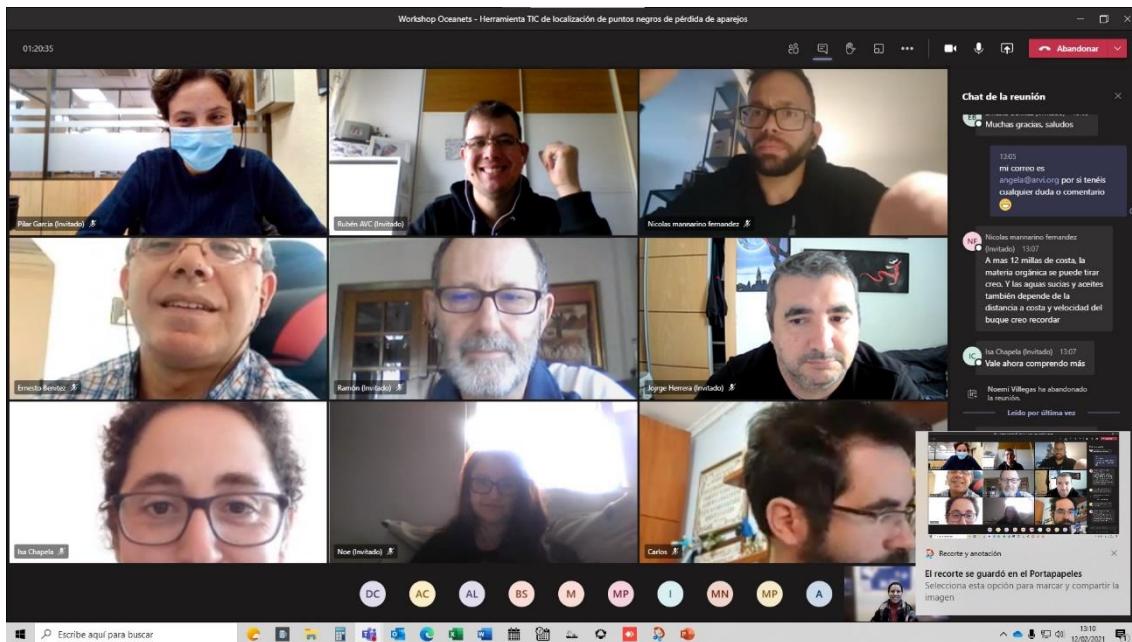


Fig. 7 Scientific Observers from IPD

03/05/2020 Workshop for the captain of the HERBADI DOS ship at ARVI's headquarters



07/05/2021 Workshop for the captain of PESCA BERBES III ship at ARVI's headquarters



28/05/2021 Workshop for the NEW captain of NOVO MORRIÑA ship at ARVI's headquarters



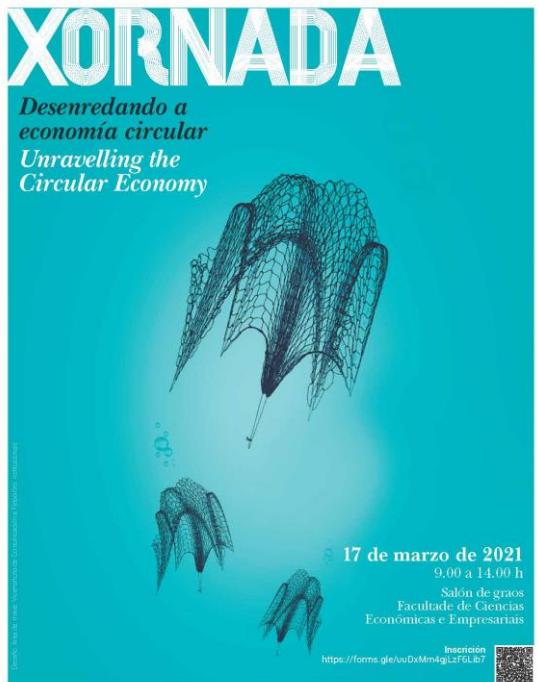
21/06/21 ICT Tool for the prevention of fishing gear loss. ARVI – Final Event

See D5.6

Circular Economy Workshop

17/03/21 Circular Economy. (Universidad de Vigo)





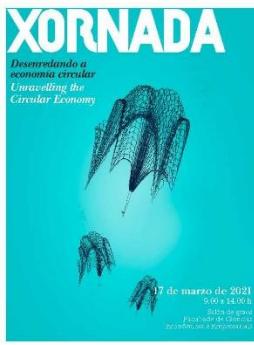
XORNADA
*Desenredando a economía circular
Unravelling the Circular Economy*

17 de marzo de 2021
9.00 a 14.00 h
Salón de graos
Facultade de Ciencias Económicas e Empresariais
Universidade de Vigo
<https://forms.gle/uDxmMm4gJzFL67>

Inscripción
<https://forms.gle/uDxmMm4gJzFL67>

Facultade de Ciencias Económicas e Empresariais

Oceanets **AIMPLAS** **ECOALF** **CINEX** **ARVI** **FEDECO** **EU**



XORNADA
*Desenredando a economía circular
Unravelling the Circular Economy*

17 de marzo de 2021
9.00 a 14.00 h
Salón de graos
Facultade de Ciencias Económicas e Empresariais
Universidade de Vigo

Coordinación
Rocío Rodríguez Da Ponte
rocio@uvigo.es

Inscripción
<https://forms.gle/uDxmMm4gJzFL67>

Universidade de Vigo

Desenredando a economía circular
Unravelling the Circular Economy

Programa

9.00-9.30 h Recepción de asistentes	9.00-9.30 am Reception of attendees
9.30-9.45 h Presentación Xornada	9.30 am Welcome and Opening
Belen Rubio Armento Vicerrectora de Investigación, Universidad de Vigo	Belen Rubio Armento Vice-Rector for Research, University of Vigo
9.45-10.00 h Presentación OCEANETS	9.45-10.00 am OCEANETS Project Presentation
Rocío Rodríguez Da Ponte Investigadora principal do OCEANETS, Universidad de Vigo	Rocío Rodríguez Da Ponte Principal Researcher OCEANETS, University of Vigo
10.00-10.45 h <i>¿Qué es la economía circular? Modelos de negocio</i>	10.00-10.45 am <i>What is the circular economy? Business Models</i>
Gonzalo González Costa Vicerrector de Desarrollo e Promoción Estratégica, Universidad de Santiago de Compostela	Gonzalo González Costa Vice-Rector for Development and Strategic Strategy, University of Santiago de Compostela
10.45-12.05 h Mesa redonda, Moderador: Rocío Rodríguez Da Ponte	10.45 am-12.00 pm Panel Discussion, Moderator: Rocío Rodríguez Da Ponte
Leticia Ragañete Abellés Mejoramiento e valorización de productos del mar, Alicante	Leticia Ragañete Abellés Environment and valorisation of sea products, Alicante
Violeta Brizuela Novoa Fento Moda Sostenible Gallega Santander	Violeta Brizuela Novoa Fento Galician Sustainable Fashion Santander
12.00-12.30 h Café	12.00-12.30 pm Coffee break
12.30-14.00 h <i>Obra social de economía circular</i>	12.30-14.00 pm Circular Economy Workshop
Ama Rodriguez Vázquez Eduardo Señedez Arríos	Ama Rodriguez Vázquez Eduardo Señedez Arríos

Annexes

1. Presentations
2. Workshop Minutes
3. Program
4. Attendance signatures

CONTACT

AIMPLAS

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<http://oceanets.eu/>



<https://twitter.com/OceanetsProject>



[Oceanets Project](#)



<http://www.facebook.com/OceanetsProject>



www.linkedin.com/showcase/OceanetsProject

WORKSHOP MINUTES

Vigo, November 15th, 2019

Given that one of the specific objectives of the Oceanets project was to implement public communication actions to widely inform on the different tasks and results of the project, a plan of networking activities and specific dissemination actions was devised. The purpose of this plan was also to comply with the objective of creating operational synergies and alliances with related EU projects and other relevant stakeholders.

As part of this plan, a workshop was held at ARVI headquarters in which partners of the Oceanets project had the opportunity to present version 1.0 of the ICT tool to key stakeholders (ship owners, captains and skippers, fishing crew and net manufacturers). Feedback from those key stakeholders was received in order to improve the design, adjust the dissemination strategy and generate critical mass for its use. The app was presented as well to some partners of the, also EASME, Nettag project.

The opportunity was taken to raise awareness in the fleet on the importance of managing properly marine litter, and fishing gears in particular. We gathered several testimonials from the fishing crew of ships that sail in different waters about marine litter handling aboard, the challenges they face and their perception on current practices.

MINUTES OF OCEANETS-NETTAG MEETING

After said workshop, several consortium partners of both projects held a meeting, looking for potential synergies among the two initiatives:

From the Oceanets project, Rubén Rodríguez Alonso from Asociación Vertidos Cero attended the meeting. From the NetTag project, Sebastián Villasante, participated. Partner in both projects is the >Fishing Shipowners Co-Operative of the Port of Vigo (ARVI) from which Jorge Romón Olea and Rebeca Lago Garza attended.

Discussed

Sharing of main goals of the Oceanets Project:



Oceanets	
Prevention	<ul style="list-style-type: none"> - ICT tool to mark hotspots for fishing gears loss - Awareness raising of key stakeholders
Added value	<ul style="list-style-type: none"> - Valorisation of end-of-use fishing gear - Manufacturing of high-value fabrics from discarded fishing nets

Open conversation about the experiences encountered when talking/working with key stakeholders:

- According to key stakeholders (European fish owners and captains) the main issue is that most countries, even European, don't enforce current laws and are very permissive about discarding residues illegally.
- Same stakeholders agree that illegal fishing poses a risk as they discard their nets often (e.g. when being chased).
- Long-line fishermen often catch abandoned or lost nets. Holding the nets aboard until reaching land takes a great deal of space in the ship and increases the energy bill due to added weight.
- According to net manufacturers, it is not only that some nets are lost in the ocean but also that broken or old one are getting accumulated in land and there is no capacity to recycle them.
- Currently, fishing ships pay a separated fee at the port when discarding broken or old nets. This encourages the abandonment of useless gears.
- On top of the issue of bringing to port their own gears and rubbish produced on board, "fished" marine litter is in a legal limbo and authorities sometimes even fine the ships in some ports for bringing it, encouraging the crew to throw the litter back to the sea instead of bringing it to land for proper management.
- It was mentioned that 80% of marine litter comes from land and that crews pay twice for rubbish generation: the ship pays for what's produced in the ship while sailing and the crew pays full rubbish disposal fee at home, even though they are not producing garbage in land.



Technological approaches for circular economy solutions in terms of prevention, recover, re-use and recycle of fishing gears to obtain added-value products in the textile industry

- OCEANETS-

EASME/EMFF/2017/1.2.1.12/S2/008.

Miércoles, 3 de febrero de 2021, 11:00 h

Notas del Taller sobre la Herramienta TIC de pérdida de redes

Lista de asistentes

	Nombre	Email
ARVI	Ángela Cortina	angela@arvi.org
	Jorge Romón	jorge@arvi.org
AVC	Rubén Rodriguez	rrodriguez@vertidoscero.com
IEO	Begoña Sotillo	
	Itxaso Salinas	
	José Lorenzo	
	José Miguel Serna	
	Juan José Acosta	
	Alba Jurado Ruzafa	

Objetivo de taller

Desde la Cooperativa de Armadores de Pesca del Puerto de Vigo y la Asociación Vertidos Cero nos pusimos en contacto con los coordinadores del programa de observación científica del Instituto Español de Oceanografía, **por indicación de José Castro**, porque hemos desarrollado en el marco del proyecto europeo [Oceanets](#) una [aplicación online para prevención de la pérdida de aparejos de pesca](#) mediante la identificación de Hotspots de embarre, rotura... Esta herramienta está dirigida tanto a capitanes y patrones de barcos de pesca como a observadores científicos para que, de forma colaborativa, indiquen dónde han encontrado problemas al lanzar los aparejos y puedan ver la nube de puntos generada por todos los usuarios.

Para el proyecto es vital que la herramienta sea útil para los usuarios y que la comunidad alcance una masa crítica para hacer más fiables los datos. Por ello pensamos que podría ser útil organizar un Workshop (online) para dar a conocer la herramienta y además recabar su opinión sobre la utilidad y funcionalidad.



Agenda

Ángela Cortina - ARVI

- Presentación del proyecto Oceanets – Ver anexo I
 - o Objetivos
 - o Socios
 - o Resultados hasta el momento

Rubén Rodríguez – AV0

- Herramienta TIC de prevención de pérdida de redes – Ver anexo II
 - o Contexto
 - o Gestión de datos
 - o Toma de datos y accesibilidad

Preguntas y Respuestas

Itxaso Salinas pregunta si el fichero de basuras que llevan (basuras observadas) sería interesante. Rubén dice que no cabe en el contexto de esta herramienta (pero sí de otras)

José Miguel Serna comenta que los patrones de la zona de Málaga y Almería tienen su lista de puntos peligrosos privada y sería interesante hacerse con ellos. La experiencia de ARVI y AV0 es que los puntos negros son parte del “know how” de capitanes y patrones y por tanto muy difícil de acceder a ellos. I.S. comenta que la ventaja de que los observadores puedan reportar los puntos es que para ellos es sólo una anotación más que no forma parte del arte del barco.

J.M.S. apunta que muchas de las anotaciones que hacen los observadores sobre embarres y roturas no tienen una causa clara. ¿Cómo se documenta en la aplicación? Aunque tener toda la información es útil, ya sólo con saber que hay un obstáculo se obtiene información valiosa. En el espacio de anotaciones del formulario de la aplicación se pueden hacer todos los comentarios que quiera el usuario.

J.M.S. pregunta en qué está implementada la base de datos. Rubén indagará y constará en los próximos días.

Se acuerda que se circularán las notas y las presentaciones y que aquellos del IEO que quieran colaborar con el proyecto enviarán datos pasados en Excel a Rubén para un volcado masivo en bloque y los datos futuros podrán añadirse manualmente o en bloque.



PREVENCIÓN DE PÉRDIDA DE REDES CON ASOCIACIONES PESQUERAS – UTILIZANDO LAS HERRAMIENTAS DEL FUTURO

MARCO LEGISLATIVO Y HERRAMIENTA TIC DE PREVENCIÓN DE
PÉRDIDA DE REDES



Rubén Rodríguez Alonso
Asociación Vertidos Cero
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MARCO LEGISLATIVO Y HERRAMIENTA TIC DE PREVENCIÓN DE PÉRDIDA DE REDES

MARCO LEGISLATIVO

Estado actual:

MARPOL 73/78 →REAL DECRETO 1381/2002 Los barcos han de notificar al país ribereño donde perdió el aparejo de la localización de dicha pérdida pero no hay un registro de puntos negros

- Los barcos de más de 300 Gts han de tener un libro de registro de basuras (pérdidas y descargas)
- Se suele anotar la pérdida de redes en el diario de navegación si están aseguradas
- El puerto de Vigo cobra una “tarifa plana” de gestión de residuos o el barco se pone en contacto con empresa autorizada para la gestión (sólo hay dos). Se paga por tipo de residuo y cantidad



MARCO LEGISLATIVO Y HERRAMIENTA TIC DE PREVENCIÓN DE PÉRDIDA DE REDES

MARCO LEGISLATIVO

Pendiente de transposición:

DIRECTIVA EU 2019/904 Reducción del impacto de los plásticos

DIRECTIVA EU 2019/883 Gestión de residuos MARPOL en puerto (incluidas las redes)

Ámbito de aplicación: todos los buques que descarguen en puerto europeo y todos los barcos que enarbolen pabellón europeo

- Los puertos se harán cargo de la gestión de los residuos y se cobrará una tarifa única, haya descarga de residuos o no



MARCO LEGISLATIVO Y HERRAMIENTA TIC DE PREVENCIÓN DE PÉRDIDA DE REDES

DESARROLLO HERRAMIENTA TIC

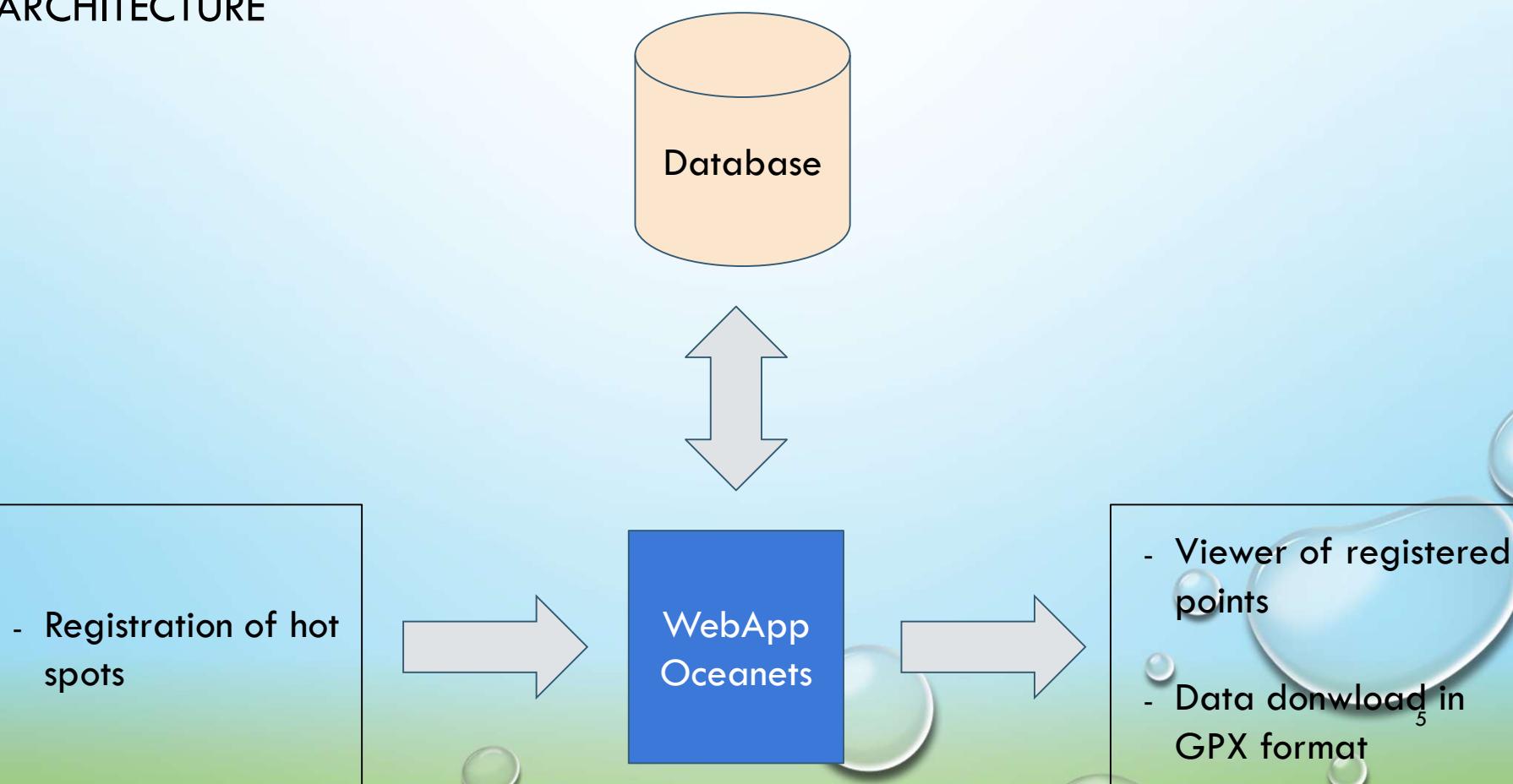
- En primer lugar se realizaron una serie de consultas a diferentes patrones y armadores sobre la herramienta TIC y sobre sistemas de Navegación
- Con esta información se desarrolló la primera idea de la herramienta



MARCO LEGISLATIVO Y HERRAMIENTA TIC DE PREVENCIÓN DE PÉRDIDA DE REDES

DESARROLLO HERRAMIENTA TIC

ARCHITECTURE



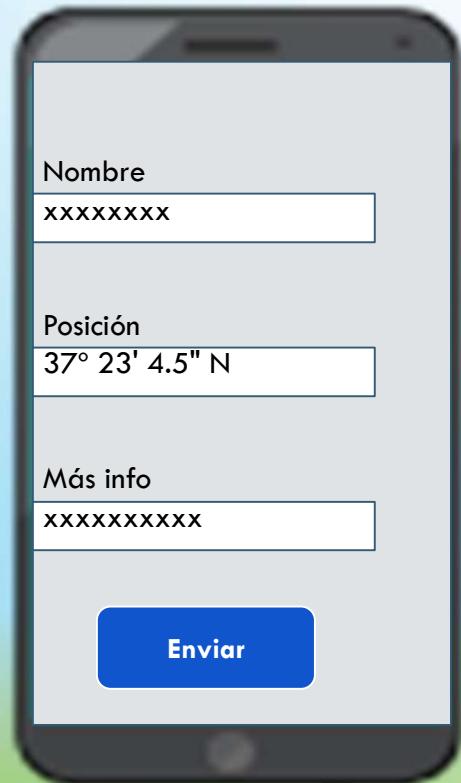


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MARCO LEGISLATIVO Y HERRAMIENTA TIC DE PREVENCIÓN DE PÉRDIDA DE REDES

DESARROLLO HERRAMIENTA TIC

REGISTRO DE LOS PUNTOS DE EMBARRE

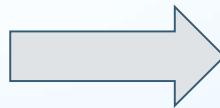
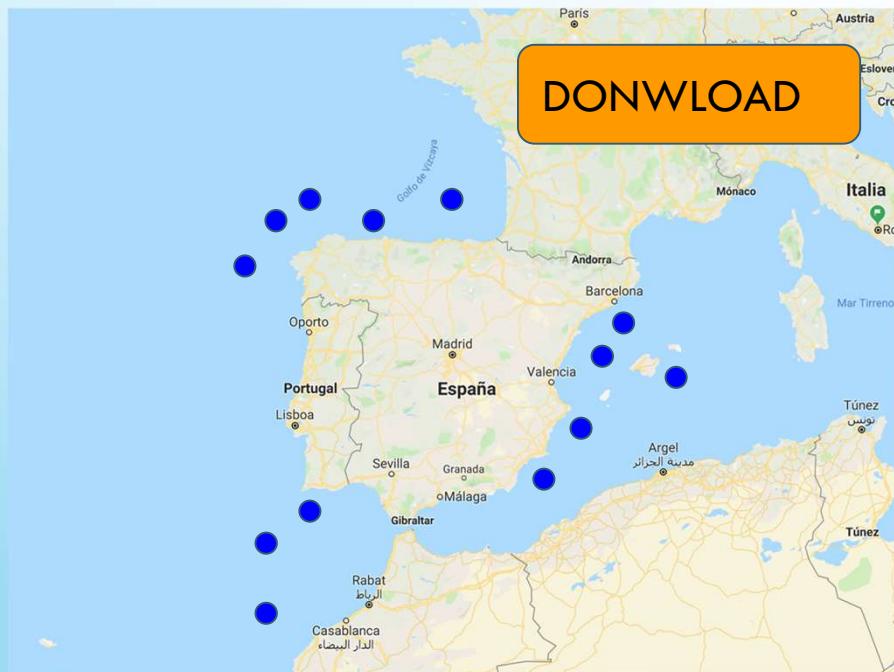


- Registration of entanglement points
- It allows obtaining the coordinates using the GPS of the device



MARCO LEGISLATIVO Y HERRAMIENTA TIC DE PREVENCIÓN DE PÉRDIDA DE REDES

DESARROLLO HERRAMIENTA TIC



Download to the PC a file in GPX format of the registered points that can be loaded in the navigation software used.

<https://es.wikipedia.org/wiki/GPX>



MARCO LEGISLATIVO Y HERRAMIENTA TIC DE PREVENCIÓN DE PÉRDIDA DE REDES

DESARROLLO HERRAMIENTA TIC

<https://oceanets.appspot.com/>

The screenshot shows a satellite map of the Iberian Peninsula and parts of France and Portugal. Three yellow circular markers are placed on the coastline of Spain, indicating specific monitoring points. The map includes standard zoom controls (+, -) and a search bar. The top right corner features the European Union flag and the text "Co-funded by the European Maritime and Fisheries Fund". The bottom of the interface lists the project partners: ECOALF, Sintex, AIMPLAS, i-Mark, and Universidade de Vigo.



Thank
you !



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#OCEANETS

**Technological approaches for circular economy
solutions in terms of
prevention, recover, re-use and recycle of fishing
gears to obtain added-value products
in the textile industry**

**LET'S
SAVE THE
PLANET**

EASME/EMFF/2017/1.2.1.12-S2 MARINE LITTER



This Project has received funding from the European Union EASME's European Maritime and Fisheries Fund under grant agreement N° 2017/1.2.1.12/52/03/552.789390

#OCEANEETS

LET'S SAVE THE PLANET



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AIMPLAS



ECOALF



COOPERATIVA DE ARMADORES
DE PESCA DEL PUERTO DE VIGO



UniversidadeVigo





OBJETIVOS

- Prevención de la pérdida de redes
- Valorización de redes al final de su vida útil o recuperadas del mar

INDICADORES

- Herramienta TIC para la prevención de la pérdida de redes
- Reciclaje de 7 toneladas de redes
- 50 metros lineales de tela con un 90% de material reciclado
- Tejido de alta calidad con propiedades especiales (prenda deportiva)

#OCEANETS

LET'S SAVE THE PLANET



COOPERATIVA DE ARMADORES
DE PESCA DEL PUERTO DE VIGO

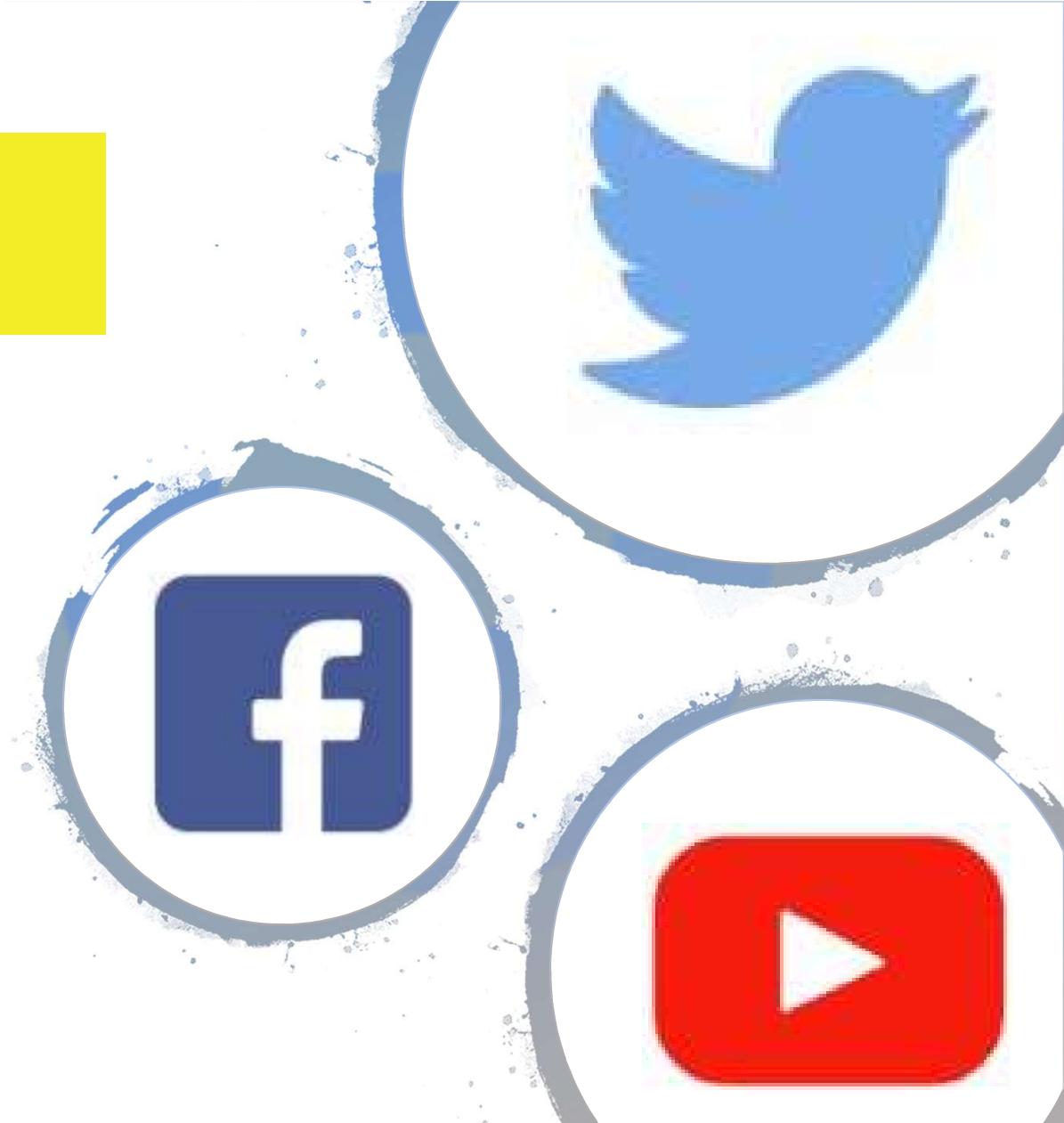
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@OceanetsProject

¡Gracias!



#OCEANEITS

**Technological approaches for circular economy
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**LET'S
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EASME/EMFF/2017/1.2.1.12-S2 MARINE LITTER



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WP were ARVI is involved

- WP 1 – Prevention of the loss of fishing gear:
Awareness and ICT tool
- WP 2 – Recovery of the fishing gear: Collection,
sorting and análisis
- WP 5 – Communication and Dissemination

Critical steps

- ICT tool – data collection and smooth performance of the ICT tool
- Recovery of the fishing gear – other sources of raw material?

External factors that may pose a threat

- Laws and regulation
 - Mandatory Electronic Monitoring
 - Mandatory Circularity of the raw material (gears)
 - Compliance with new manufacturing materials
- Competition for the raw material
 - Profitability if selling it for other purposes
- PR

Resources and Capacities

- Develop relationships
 - Ship owners, captains and skippers
 - Gear manufacturers
 - Recycling agents
 - Public organisms (IEO, SGPresca)
- Legislation of recycling at the ports



@OceanetsProject

Thank you!





PREVENCIÓN DE PÉRDIDA DE REDES CON ASOCIACIONES PESQUERAS – UTILIZANDO LAS HERRAMIENTAS DEL FUTURO

HERRAMIENTA TIC DE PREVENCIÓN DE PÉRDIDA DE REDES



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HERRAMIENTA TIC DE PREVENCIÓN DE PÉRDIDA DE REDES

DESARROLLO HERRAMIENTA TIC

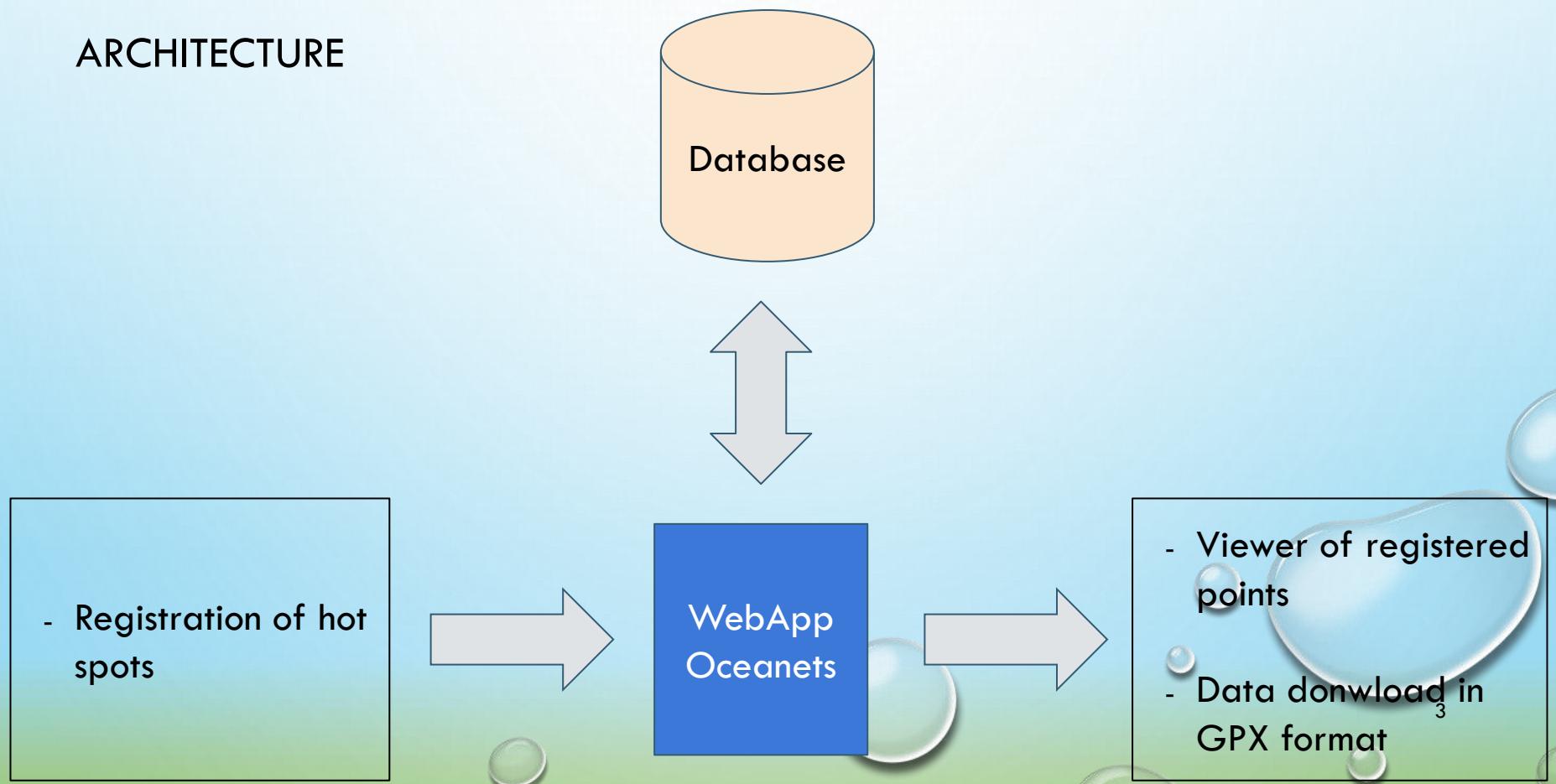
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HERRAMIENTA TIC DE PREVENCIÓN DE PÉRDIDA DE REDES

DESARROLLO HERRAMIENTA TIC

ARCHITECTURE





HERRAMIENTA TIC DE PREVENCIÓN DE PÉRDIDA DE REDES

DESARROLLO HERRAMIENTA TIC

REGISTRO DE LOS PUNTOS DE EMBARRE



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HERRAMIENTA TIC DE PREVENCIÓN DE PÉRDIDA DE REDES

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HERRAMIENTA TIC DE PREVENCIÓN DE PÉRDIDA DE REDES

DESARROLLO HERRAMIENTA TIC

<https://oceanets.appspot.com/>

The screenshot displays the Oceanets TIC (Tool for the Prevention of Network Loss) application. The main feature is a map of the Iberian Peninsula and parts of Spain, Portugal, and North Africa. Three specific locations are highlighted with yellow dots. The map is a combination of satellite imagery and bathymetric data, showing the ocean floor depth. The interface includes a header with the Oceanets logo, a European Union flag indicating co-funding by the Maritime and Fisheries Fund, and buttons for 'ADD HOTSPOT' and 'DOWNLOAD FILE'. A legend at the bottom identifies the partners involved in the project: ECOALF, SINTEX, AIMPLAS, I-Mark, and Universidade de Vigo. The map also includes standard zoom and pan controls.

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ADD HOTSPOT DOWNLOAD FILE

Co-funded by the European Maritime and Fisheries Fund

Google

PARTNERS

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SINTEX

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LET'S SAVE THE PLANET



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Workshop – Herramienta TIC de Prevención de Rotura o Pérdida de Aparejos

Ángela Cortina – Cooperativa de Armadores de Pesca del Puerto de Vigo

Rubén Rodríguez – Asociación Vertidos Cero

Jorge Romón - Cooperativa de Armadores de Pesca del Puerto de Vigo

Vigo, 3 de febrero de 2021



#OCEANEITS

**Technological approaches for circular economy
solutions in terms of
prevention, recover, re-use and recycle of fishing
gears to obtain added-value products
in the textile industry**

**LET'S
SAVE THE
PLANET**

EASME/EMFF/2017/1.2.1.12-S2 MARINE LITTER



This Project has received funding from the European Union EASME's European Maritime and Fisheries Fund under grant agreement N° 2017/1.2.1.12/52/03/552.789390

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This Project has received funding from the European Union's EASME's Europe Maritime and Fisheries Funded Operational Program
Nº 2017/1.2.1.12/5203/552.780390



AIMPLAS



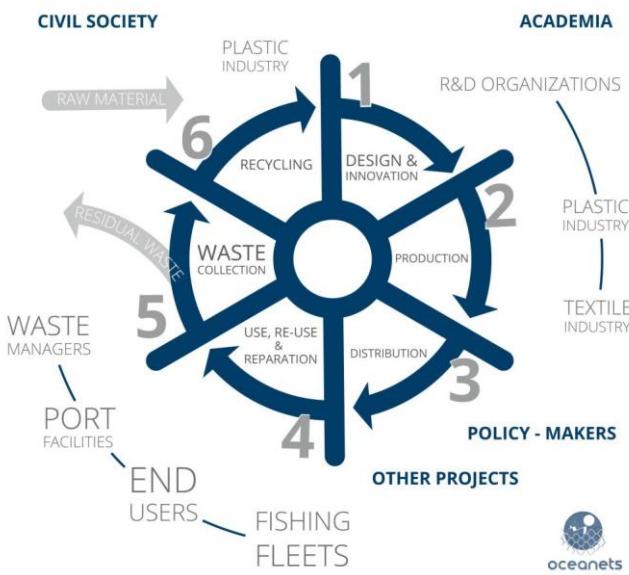
ECOALF



COOPERATIVA DE ARMADORES
DE PESCA DEL PUERTO DE VIGO



Universida de Vigo



• OBJETIVOS

- Prevención de la pérdida de redes
- Valorización de redes al final de su vida útil o recuperadas del mar

• INDICADORES

- Herramienta TIC para la prevención de la pérdida de redes
- Reciclaje de 7 toneladas de redes
- 50 metros lineales de tela con un 90% de material reciclado
- Tejido de alta calidad con propiedades especiales (prenda deportiva)

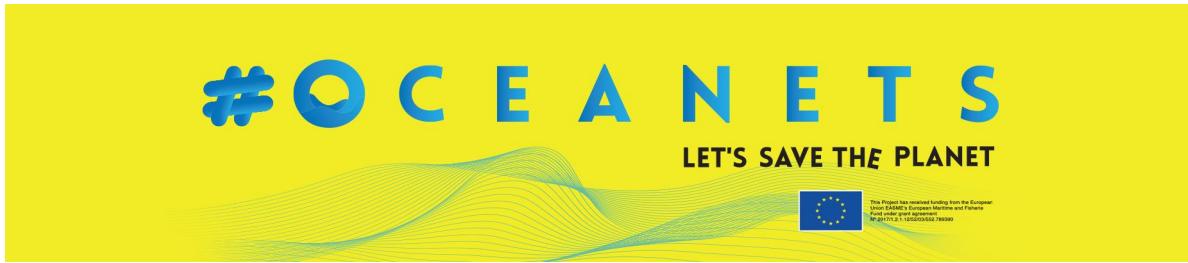


COOPERATIVA DE ARMADORES
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Lo que ha funcionado:

-  El sector está involucrado y movilizado
-  Existe viabilidad técnica para utilizar reciclaje de redes para fabricar textil
-  La viabilidad económica está cerca de conseguirse en el contexto de la economía circular

Las barreras que encontramos:

-  La gestión en puerto tiene muchas trabas burocráticas
-  Traer redes recuperadas del fondo cuesta dinero a los armadores
-  No hay un incentivo por parte de los gestores de redes por el bajo precio del petróleo

Lecciones Aprendidas

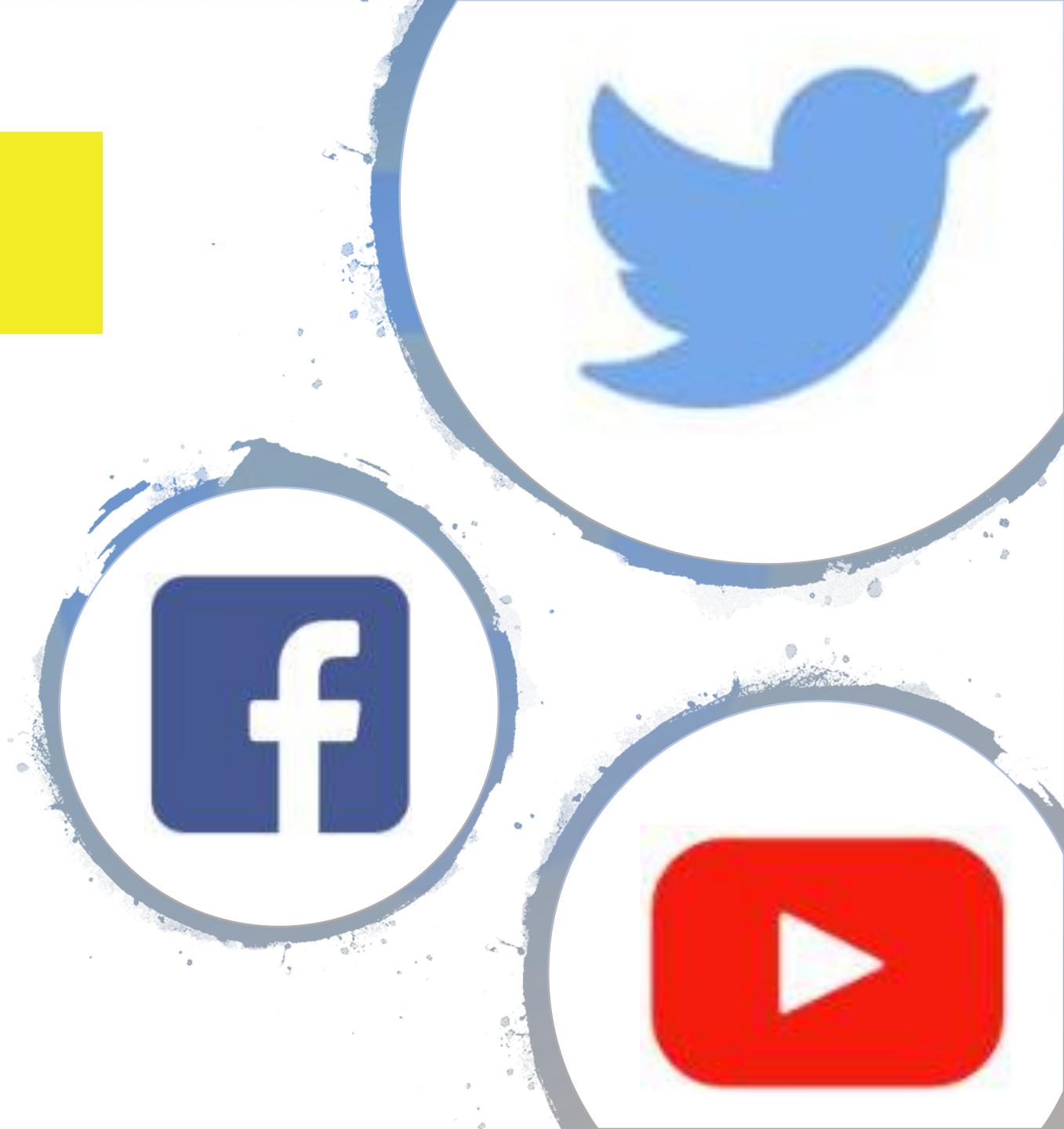
HAZ CLICK EN LA IMAGEN!

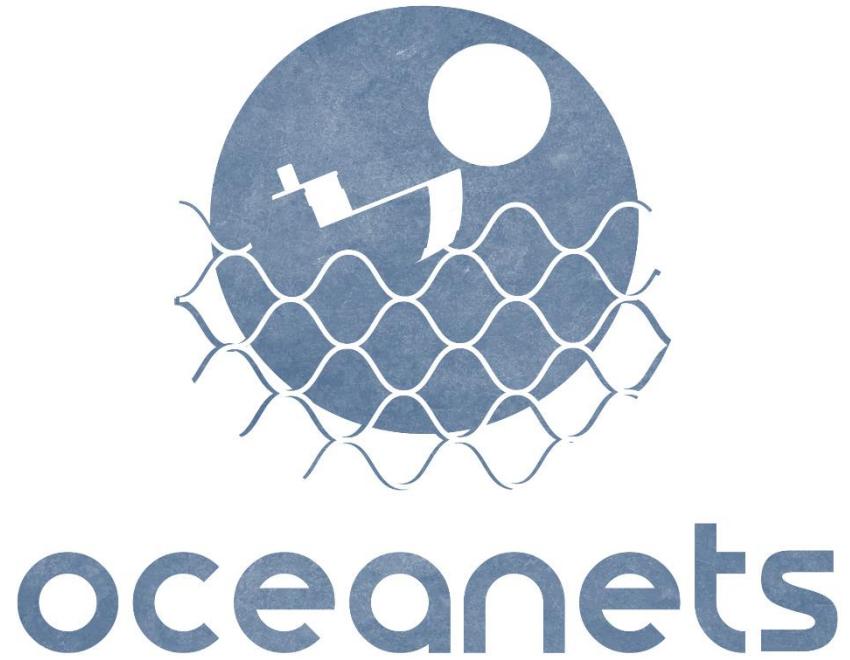




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¡Gracias!





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ICT tool Workshop



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ITC Tool Workshop

<https://oceanets.appspot.com/>



Objetives

- Develop of a common and collaborative data base of risk points for fishing gear
 - In collaboration with fishing sector
 - Helps to reduce/avoid of hookings and entanglements for all users of a specific fishing ground
 - Helps to geolocate lost fishing gear



ITC Tool Workshop

<https://oceanets.appspot.com/>



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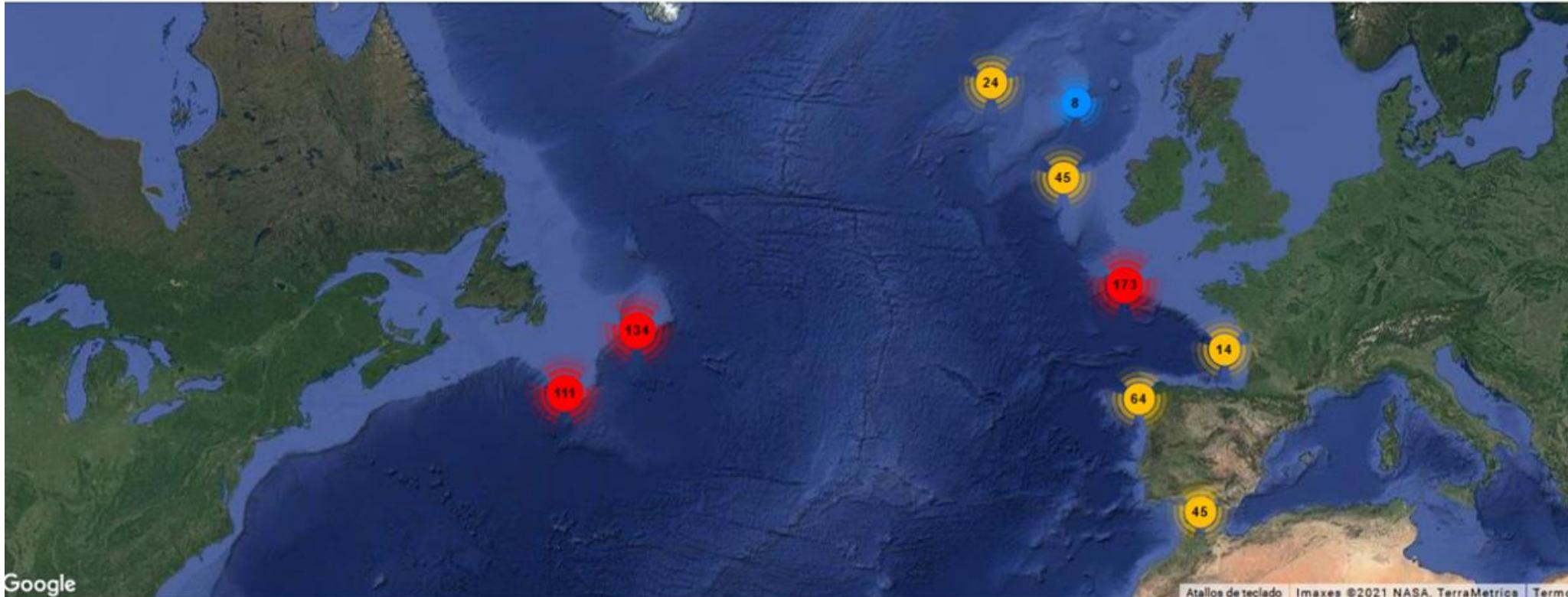
ADD HOTSPOT

DOWNLOAD FILE

LOGIN



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and Fisheries Fund



PARTNERS



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I-Mark



AIMPLAS



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Conclusions

- Fishing sector acceptance and collaboration
 - Collaboration of fisheries observers and researchers from the Spanish Institute of Oceanography.
- Hotspot data are complicated to collect
- Tool of interest for future legislation (REGULATION (EC) No 1224/2009)



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Next steps

- Develop an area for registered users
 - Possibility to consult and edit points
 - Possibility of positioning on the data visor
- Increased spatial resolution of points
- Data report to administrations (REGULATION (EC) No 1224/2009)



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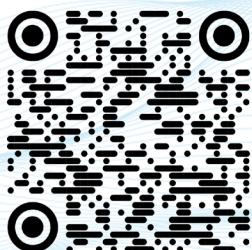




4 DE JUNIO DE 2020 – 12.30 H
PUERTO PESQUERO, EDIFICIO RAMIRO GORDEJUELA
36202 VIGO – PONTEVEDRA – ESPAÑA

WORKSHOP DE PREVENCIÓN DE PÉRDIDA DE REDES CON ASOCIACIONES PESQUERAS – UTILIZANDO LAS HERRAMIENTAS DEL FUTURO

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12.30 H BIENVENIDA Y VÍDEO OCEANETS
JORGE ROMÓN (ARVI)

12.40 H EL PROYECTO OCEANETS:
OBJETIVOS Y RESULTADOS
REBECA LAGO (ARVI)

13.00 H MARCO LEGISLATIVO Y HERRAMIENTA
TIC DE PREVENCIÓN DE PÉRDIDA DE REDES
RUBÉN RODRÍGUEZ (AVO)

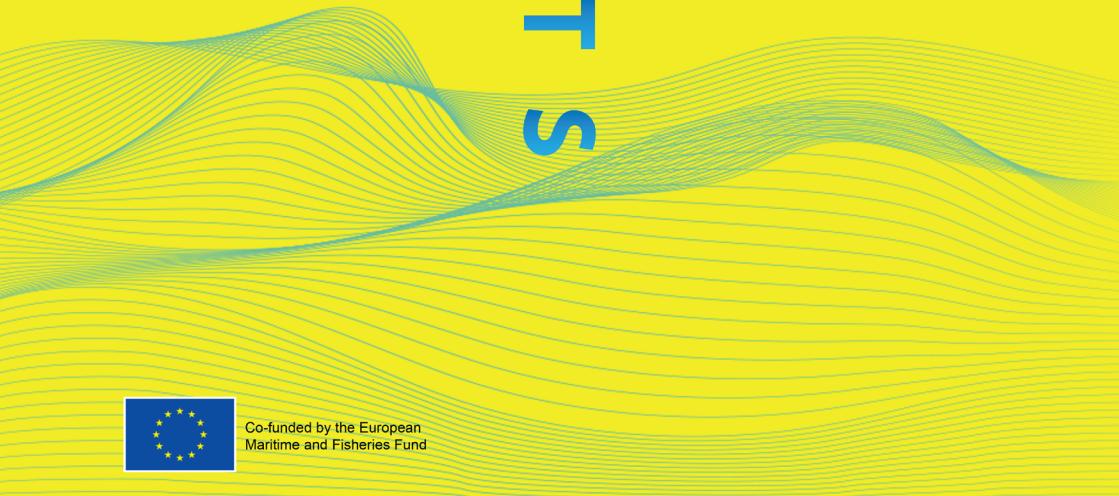
13.40 H Q&A Y MESA REDONDA
JORGE ROMÓN (ARVI)

14.00 H DESPEDIDA Y CIERRE

14.05 H REFRIGERIO Y NETWORKING

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