

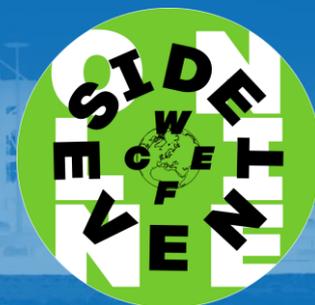


# LOOP-Ports

Circular Economy Network of Ports



FINAL  
CONFERENCE  
Online  
16<sup>th</sup> December 2020





ALMA MATER STUDIORUM  
UNIVERSITA DI BOLOGNA



**e** INSTITUTO  
DE ECONOMÍA  
INTERNACIONAL  
UNIVERSITAT DE VALÈNCIA



**UH**  
Universität Hamburg  
DER FORSCHUNG | DER LEHRE | DER BILDUNG

**DTU**  
Technical University  
of Denmark

**ZEI** **VEOLIA**

**TNO** innovation  
for life



# LOOP·Ports

Circular Economy Network of Ports

**FINAL  
CONFERENCE**  
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16<sup>th</sup> December 2020

**F** FUNDACIÓN  
VALENCIAPORT

**eit** Climate-KIC  
Climate-KIC is supported by the  
EIT, a body of the European Union



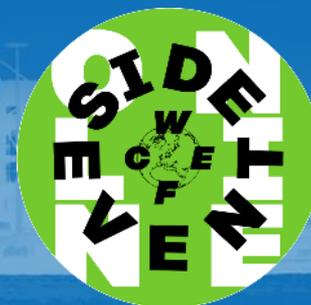


# LOOP-Ports

Circular Economy Network of Ports

Tiziana Campisi– Fondazione Flaminia

FINAL  
CONFERENCE  
Online  
16<sup>th</sup> November 2020





# Circular Economy Network of Ports (LOOP-Ports)

## Workshops for a network

Tiziana Campisi

University of Bologna & CIFLA Fondazione Flaminia



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Centro per l'innovazione  
tecnologica e sociale



**LOOP·Ports**  
Circular Economy Network of Ports

# ACTIVITIES



## WP5 Project management, communication and business models



### WP1

Mapping of current port status in relation to circular economy



### WP2

Looking at the future: Opportunities for intervention and specific innovation recommendations



### WP3

Ports circular economy professional education pilot



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### WP4

Circular ports network development and Stakeholders interaction

# WORKSHOPS NARRATIVE

# Goal

CONNECTED PORTS AT A LOCAL & EU LEVEL, WITH A CLEAR IDEA HOW TO PROCEED FURTHER TO IMPLEMENT CE

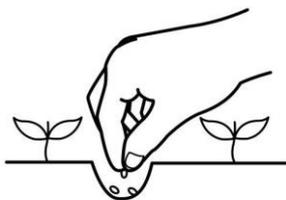
## Workshop 3

**INFLUENCE KEY STAKEHOLDERS AT NATIONAL LEVEL IN ORDER TO BRING CHANGE**



## Workshop 2

**EXCHANGE EXPERIENCES AT EU-LEVEL  
Cross fertilization**



## Workshop 1

**SUPPORT THE LOCAL PORT STAKEHOLDERS TO DISCUSS ABOUT CE**





ORDER

LEVEL

## Workshop 1

**SUPPORT THE LOCAL PORT STAKEHOLDERS TO DISCUSS ABOUT CE**



# Workshops at port level



**LOOP-Ports**  
Circular Economy Network of Ports



2020



**Port of Aalborg**

2019

**UNIHAMB**

**UVEG**

**Port of Bremen  
Castellon Province**



**UNIBO**



**FVP**



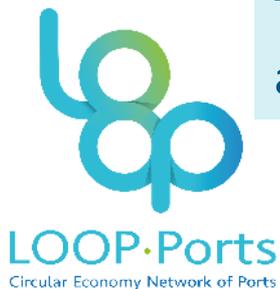
**UPM**

**Ravenna Marine district  
Port of Valencia  
Port of Malaga**

**RESULT:**  
more than 130 participants

Title

# The economic chain of plastic from fishing and aquaculture nets: a model of Circular Economy



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November 22, 2019 - Port Authority of Ravenna (Italy)

N° participants (16)

Private 13    Public 3

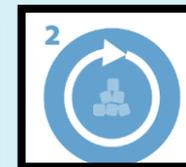
Aquaculture sector, companies for plastic processing, authorised waste management companies, public entities for territorial economic development

N° stakeholders reached: 18

Private 16    Public 2

Port operators, Industrial companies, municipality, regional cluster

Themes discussed

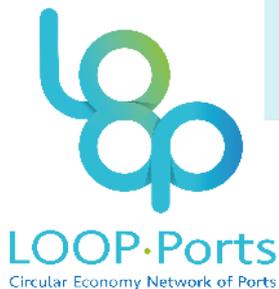


## Feedbacks

- ACQUACULTURE: Waste management of PP material
- FISHING: Waste management of PA material
- Port Strategic: Type of CE – reuse of PA fishing nets – re-thinking of mussels' socks
- Definition of new roadmap

Title

# LOOP-Ports – “Taller Economía Circular en Valenciaport”



December, 10 2019- Valencia (Spain)

N° participants (59)  
Private 44 Public 15

Universities  
Tech institutes  
Port Authorities  
Port Cluster companies

N° stakeholders reached 36  
Private 33 Public 3

Port Authority of Valencia

## Themes discussed

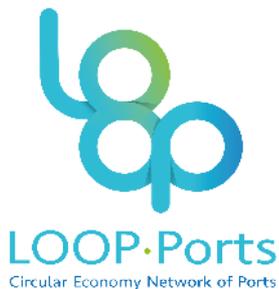


LOOP-Ports – “Taller Economía Circular en Valenciaport” – Fundación Valenciaport

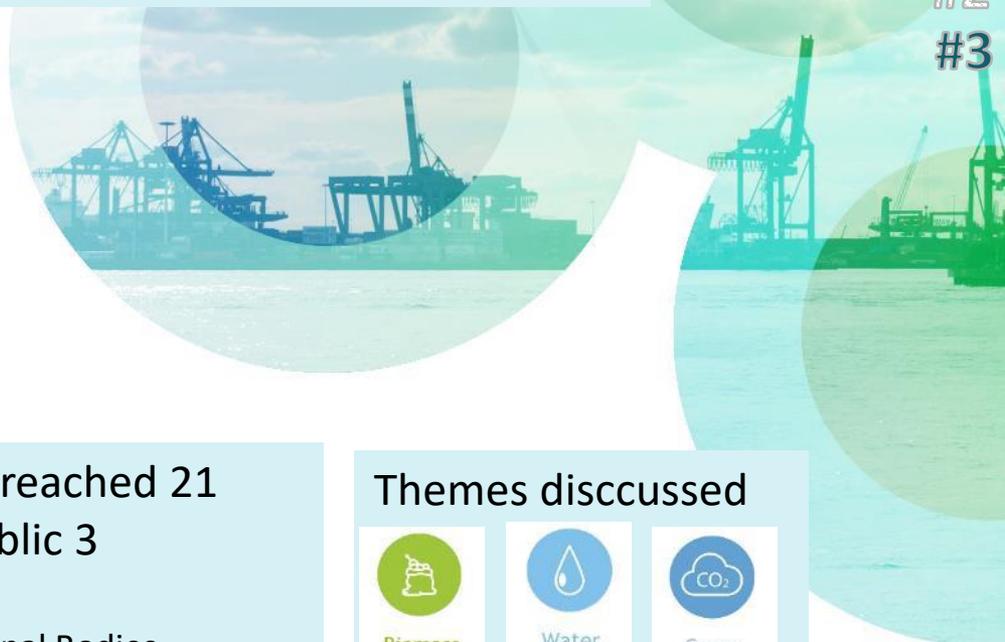


## Feedbacks

- Circular economy concept
- Barriers and best practices
- Port Strategic plan on circular economy
- Training needs



UNIVERSIDAD  
POLITÉCNICA  
DE MADRID



December 12, 2019 - Port Authority of Malaga (Spain)

N° participants (8)  
Private 3    Public 5

Port Authority,  
Port companies,  
CE regional companies

N° stakeholders reached 21  
Private 18    Public 3

Port Authority, Regional Bodies  
Port Companies, CE regional companies

Themes discussed



Biomass



Water



Gases



Metals



Energy



Construction  
materials



## Feedbacks

- Circular economy concept
- Barriers and best practices
- Port Strategic plan on CE
- Possible synergies between Port Authority and CE regional companies



LOOP-Ports  
Circular Economy Network of Ports

# Circular Economy Approach for fishing ports, marinas and boatyards



December 19, 2019 - at the University of Valencia (Spain)

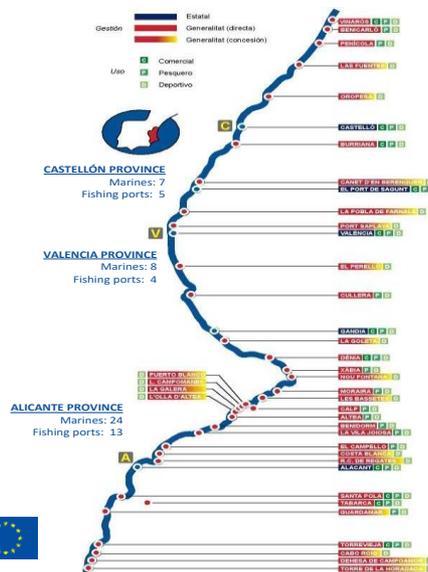
N° participants (22)

Private  
8

Public  
14

- ✓ 5 marinas
- ✓ 3 fishing activity
- ✓ 3 boatyards
- ✓ 5 commercials
- ✓ 4 technological inst. & env. Ngos
- ✓ 2 other

## Themes discussed



## Feedbacks

- ✓ Concept of CE linked to recycling → need to reinforce CE' knowledge and its potential.
- ✓ The idea of sustainable companies is more present every day.
- ✓ Lack of knowledge about existing solutions & financing aid focused on innovative actions and not on the implementation of these innovative solutions.
- ✓ Need to adjust rules and regulations to a circular context.



#1  
#2  
#3  
#4



December 16, 2019 - Bremer/Bremerhaven (Germany)

N° participants (12)

Private	Public
2	10

N° stakeholders reached  
*Not mapped*

Port Authority, Regional Bodies  
Port Companies, CE regional  
companies

Themes discussed



**Feedbacks**

- Ports of Bremen decided to think about an steering committee for Circular Economy
- Bremen Ports decided to sign the LOI of loop Ports Project

Title

# Industrial eco-parks: potentials for Port of Aalborg



LOOP Ports  
Circular Economy Network of Ports



May 27, 2020 – Aalborg (Denmark)

- #1
- #2
- #3
- #4
- #5
- #6



N° participants (15)

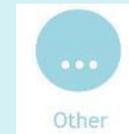
Private	Public
8	7

Port Authority,  
consultancy, University

N° stakeholders reached

7 port authorities engaged during the webinar under task 4.1. Many of the Danish ports municipal self governing  
23 informed through invitations

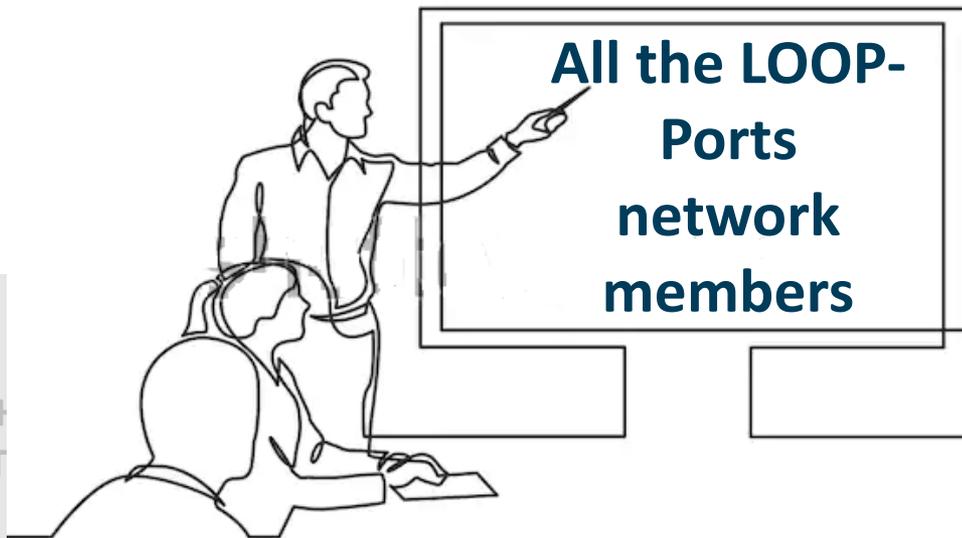
Themes discussed



- How to engage companies in industrial symbiosis and cooperation?
- How to overcome cultural barriers and resistance to change?

# WORKSHOPS NARRATIVE

INFLUENCE KEY STAKEHOLDERS

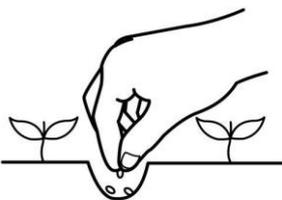


## Workshop 2

**EXCHANGE EXPERIENCES AT EU-LEVEL**  
**Cross fertilization**

## Workshop 1

SUPPORT THE LOCAL PORT STAKEHOLDERS TO DISCUSS ABOUT CE



# Circular Economy Paneuropean Online workshop

October 7, 2020 - online

N° participants (55)  
Private 12 Public 43

Port national managers  
Port Associations  
Port Authorities  
Port Cluster companies  
Universities

N° stakeholders reached 45  
Private 7 Public 38

Private and public ports  
Associations  
Port Cluster companies



1  
Circular port assets & equipment



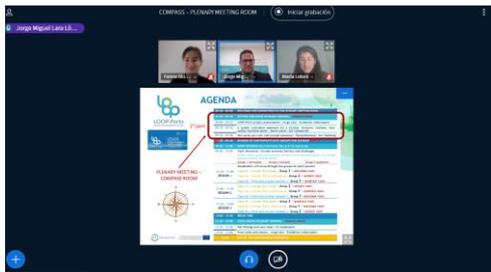
2  
Circular flows within ports  
(and between ports & surrounding area)



3  
Ports & circular markets

## Themes

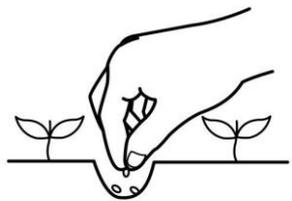
- Circular economy concept
- Regulations
- Barriers and best practices
- Areas of Intervention
- Financial sustainability
- Main challenges





## Workshop 3

**INFLUENCE KEY STAKEHOLDERS AT NATIONAL LEVEL IN ORDER TO BRING CHANGE**



EX

SUPPORT TH



Title

# The LOOP-Ports project: how a network of ports can contribute to circular economy transition.

- #1
- #2
- #3
- #4
- #5
- #6
- #7
- #8
- #9



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Italian institutional workshops

November 26, 2020 - online #9

November 3, 2020 - online #8

N° participants 75

Italian Ministry of Economic Development  
Regional public authorities  
Academics  
Researchers  
Industrial sector

N° stakeholders reached:  
352 registered delegates in

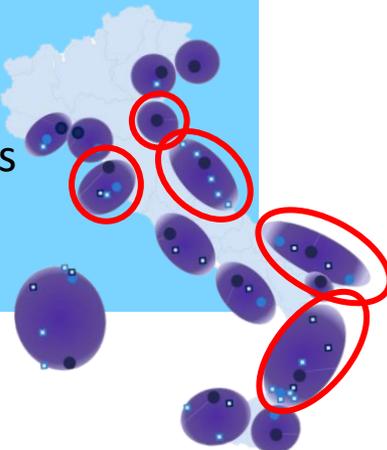


N° stakeholders reached:  
509 registered delegates in



Themes discussed

Needs  
Barriers  
Strategies



Themes discussed

Sediment strategy  
EU ports strategies  
for sediments  
management



Title

# Danish Institutional Meeting on Circular Economy in Ports

#1  
#2  
#3  
#4  
#5  
#6  
#7  
#8  
#9  
#10



November 26, 2020. – Danish institutional workshop.

No. Participants 7

Private	Public
4	3

Follow-ups and stakeholder engagement with further 8 organisations.

**Goal:** Dissemination of all work packages with special focus on barriers against CE implementation faced by the ports.

**Feedback:** Danish Maritime Authority: «Thanks for a good meeting. See you at the final conference!»



Title

# Institutional workshop on circular economy in ports of the Valencian Community



LOOP Ports  
Circular Economy Network of Ports



- #1
- #2
- #3
- #4
- #5
- #6
- #7
- #8
- #9
- #10
- #11

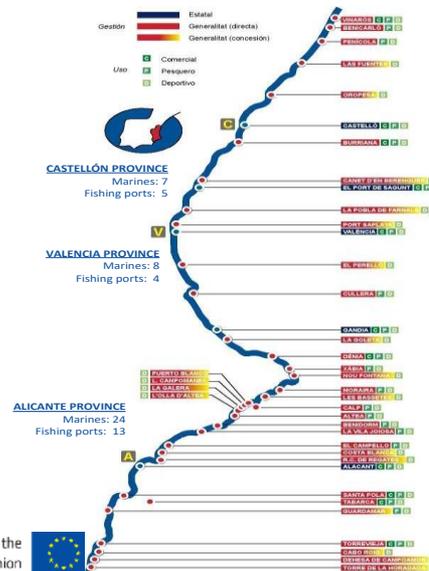
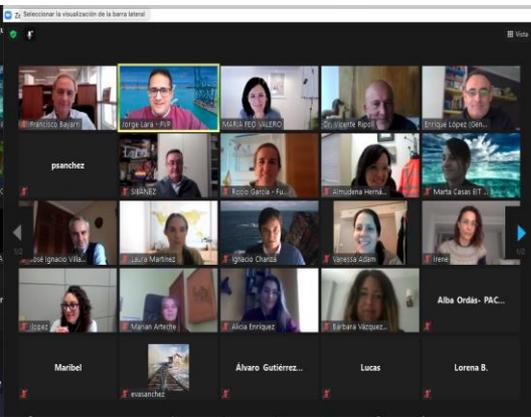
November 26, 2020 via Zoom – Spain institutional workshop

N° participants (80)

Private	Public
50	30

- ✓ 23 Port Authorities & public institutions
- ✓ 19 Companies of port & logistics cluster
- ✓ 17 Env. & CE solutions providers
- ✓ 16 Research
- ✓ 5 others

**Participation** of different administrations of the Region of Valencia linked to the port and CE sector  
**Presentation** of the results of the project and thereby open the discussion about the potential of the CE in the ports of the Valencian Community  
**Role of institutions** to facilitate and promote its implementation.



## Feedbacks

- ✓ Effective transition towards CE requires the commitment of all social and economic agents. Transition to CE cannot be the exclusive responsibility of public administrations. Key role of the consumer.
- ✓ From the institutional point of view, a high level of coordination is necessary between all the public administrations competent in the environmental field.
- ✓ Regulatory adjustments to the new CE context are needed → e.g. promotion status of "by-product" and "end of waste criteria" and extended producer responsibility schemes.
- ✓ CE actions already present to a greater or lesser extent in all the ports of the Valencia region. CE perceived as of strategic interest by port managers





**LOOP-Ports**  
Circular Economy Network of Ports



**POLITÉCNICA**

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POLITÉCNICA  
DE MADRID

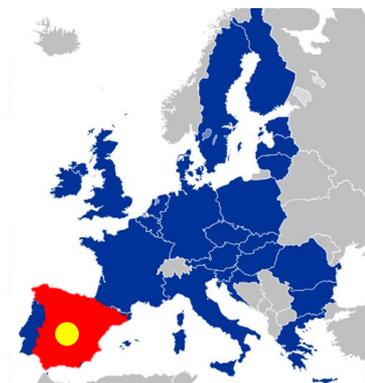
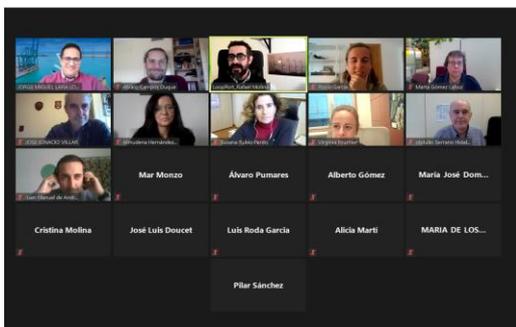


December 4, 2020, Online – Spain institutional workshop

N° participants (31)  
Private 2 Public 29

Spanish Institutional Port Organism,  
Port Authorities,  
Universities,  
Other Public Bodies,  
Private companies

- Importance of CE in the port's sector
- Perspective from the Public Organism in charge of managing Spanish State-Owned Ports
- EIT Climate-KIC strategy
- Main results of the project
- Diagnosis of CE in Spanish Ports, areas of intervention and possible actions



Title  
**Workshop Decommissioning Offshore Windparks – Port of Rotterdam/Smartport**



- #1
- #2
- #3
- #4
- #5
- #6
- #7
- #8
- #9
- #10
- #11
- #12
- #13

November 26, 2020, Online – Dutch institutional workshop

N° participants (31)  
Private 19 Public 23  
Port of Rotterdam

Key messages

Based on prior quantitative analyses, decommissioning of offshore windparks provides opportunities for port and industry



Feedbacks/conclusions

Initiate 'one-stop shop' for efficient operation; involve complete chain; Follow-up in Europe will be set up.





**LOOP·Ports**  
Circular Economy Network of Ports



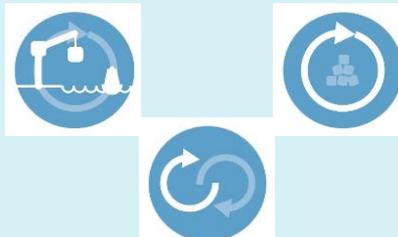
December 7, 2020, Online – German institutional workshop

N° participants

Private 0    Public 10

Member of European Parliament  
Port Authorities

Themes discussed



## EU Parliament: Discussions and Perspectives

Ports as a place of innovation and as a driver for new business areas

Demand or open question: How can port administrations be supported to take on a formative role that affects the port?

Title

# LOOP-Ports Final Conference

- #1
- #2
- #3
- #4
- #5
- #6
- #7
- #8
- #9
- #10
- #11
- #12
- #13
- #14



December 16, 2020 - Spain institutional workshop and project event

N° participants +150

Maritime and port sector  
 European Union  
 Universities  
 Port Associations  
 Port Authorities



- New EU CE action plan
- WPSP program
- EIT Climate-KIC strategy
- Main results of the project
- **Next steps**



Climate-KIC is supported by the EIT, a body of the European Union



Stakeholders coverage  
area  
at the end of the project  
&  
Network consolidation



**MEMBERS OF THE LOOP-Ports NETWORK**

**45 ORGANISATIONS**

**33 PORT AUTHORITIES:**

- Spain (12)
- Italy (8)
- Croatia (3)
- Denmark / Sweden (2)
- France (2)
- Bulgaria (1)
- Lithuania (1)
- Greece (1)
- Portugal (1)
- Slovenia (1)
- Estonia (1)

**4 PORT AND MARITIME ASSOCIATIONS:**

- European Sea Ports Organisation (ESPO)
- Medports Association
- Baltic Ports Organisation (BPO)
- Danske Havne

**3 INDUSTRIAL ASSOCIATIONS:**

- Danish Maritime
- Intermodal Transport Cluster
- Port of Hamburg Marketing

**1 ENVIRONMENTAL MANAGEMENT ORGANISATION:**

- CLARA - Servizi Ambientali per il Territorio

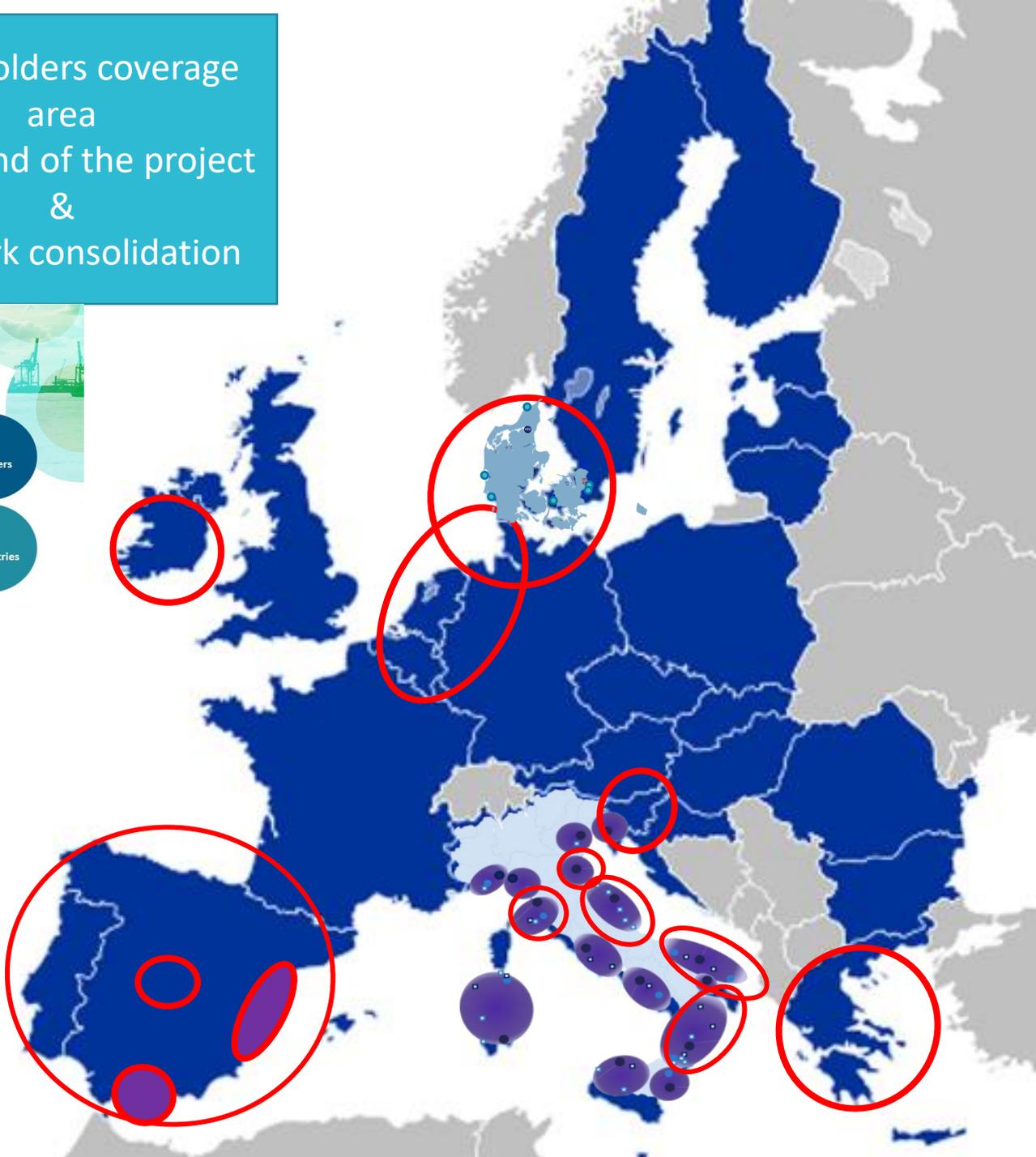
**4 PUBLIC AUTHORITIES:**

- Spain (3)
- Italy (1)



45  
Members

14  
EU countries



More 550 persons  
involved in CE for  
ports





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**Tiziana Campisi**

Project Consultant  
Fondazione Flaminia

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tcampisi@cifla.it

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# THANK YOU!!



## LOOP-Ports

Circular Economy Network of Ports



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