



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

**CIRCULAR  
ECONOMY  
PANEUROPEAN**  
Online Workshop  
7<sup>th</sup> October 2020

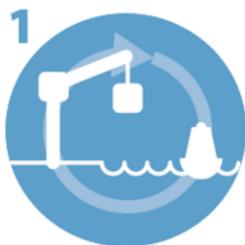
## How & what of today...

Some practical announcements...

08:45 - 09:00	WELCOME AND CONNECTION TO THE PLENARY MEETING ROOM
09:00 - 09:40	SETTING THE SCENE (PLENARY SESSION)
09:00 - 09:10	LOOP-Ports project presentation - Jorge Lara - Fundación Valenciaport
09:10 - 09:20	Maritime projects linked with circularity - Maria Loloni - EIT Climate-KIC
09:20 - 09:35	How ports can work with circular economy? - Fenna Blomsma - Uni. Hamburg
09:35 - 09:45	DIVISION OF PARTICIPANTS INTO GROUPS FOR SESSIONS
09:45 - 12:00	WORK SESSIONS (EACH PARTICIPANT WILL BE IN THE SAME ROOM)
09:45 - 10:20	Topic discussion: Circular economy barriers and challenges <i>Collect ideas, good practices and concerns from the participants on Circular economy (fixed working tables) (Group 1 - Group 2 - Group 3)</i> (moderators will move through the groups for each session)
10:20 - 11:00	Topic #1 - Circular Port Assets - Group 1
SESSION 1	Topic #2 - Circular Flows within ports - Group 2 Topic #3 - Ports and circular markets ) - Group 3
11:00 - 11:30	Topic #1 - Circular Port Assets - Group 2
SESSION 2	Topic #2 - Circular Flows within ports - Group 3 Topic #3 - Ports and circular markets ) - Group 1
11:30 - 12:00	Topic #1 - Circular Port Assets - Group 3
SESSION 3	Topic #2 - Circular Flows within ports - Group 1 Topic #3 - Ports and circular markets ) - Group 2
12:00 - 12:30	BREAK TIME
12:30 - 13:05	CONCLUSIONS (PLENARY SESSION)
12:30 - 13:00	Key findings and next steps - All moderators
13:00 - 13:05	Next workshop and closure - Jorge Lara - Fundación Valenciaport
13:05	END OF THE PANEUROPEAN WORKSHOP

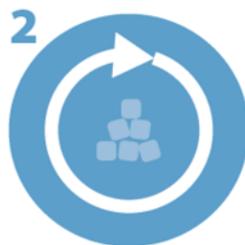
# Circular Economy as a way to develop a systematic sustainability agenda

In the next sessions we will go more in depth on each theme...



## 1 Circular port assets & equipment

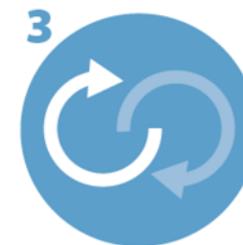
Optimisation of capacity and life-time extension of port assets, such as buildings, cranes, quays, buoys and other equipment through smarter use (e.g. renting, sharing) and smarter maintenance.



## 2 Circular flows within ports

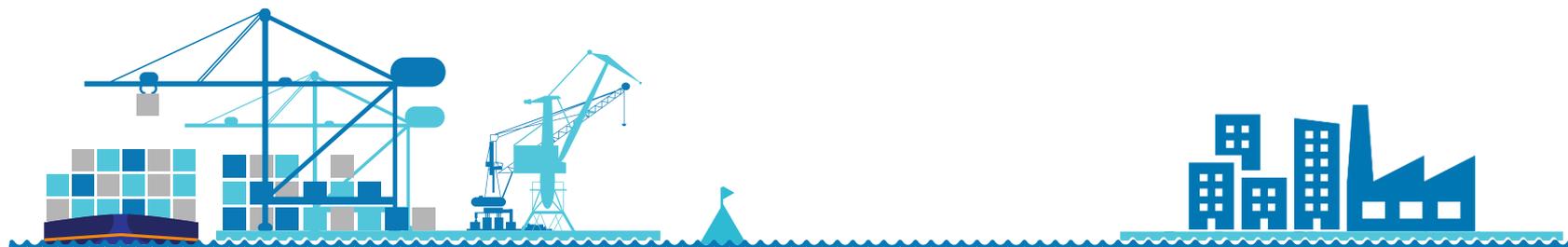
(and between ports & surrounding area)

New uses for would-be wastes generated by port activities, such as ship waste and by-products of industries within ports and port activities.



## 3 Ports & circular markets

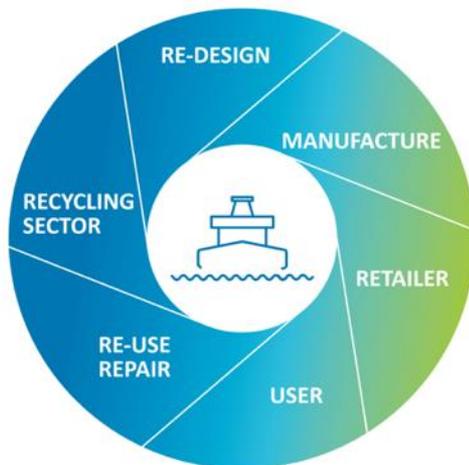
Ports enabling other industries – both on and offshore – to become more circular by developing new activities that connect supply and demand for circular resources (targeted at resource flows through ports).



**Port**

**Market/ sector**

## On the topic of 'circular economy'



+ joining us from the project...



**Cristian  
Chiavetta  
(ENEA)**

- Moderator -



**María  
Feo Valero  
(UV)**

- Facilitator -

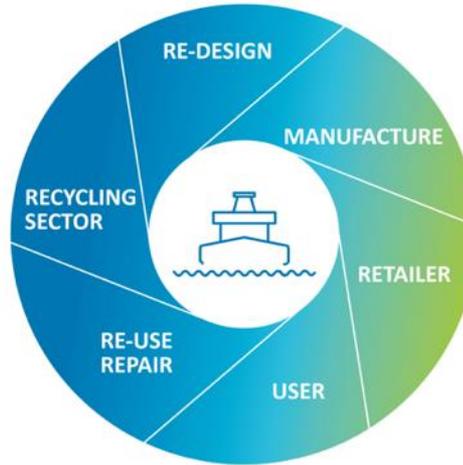


**Alvaro  
Campos  
(UPM)**

- Facilitator -

## On the topic of 'circular economy'

For the overall topic...



### 1. Briefly (!) introduce yourself:

- Which port? What role?
- Experience with CE? (None (yet), somewhat, very experienced...?)
- What do you hope to get out of today?

### 2. What is your connection to or experience with Circular Economy?

- If new to CE: what attracts you? Which directions are you exploring?
- If experienced: what have you already learned?

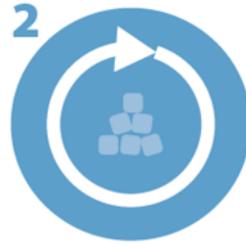
## In this session we will focus on theme 2

In the other sessions the other two themes will be discussed...



### 1 Circular port assets & equipment

Optimisation of capacity and life-time extension of port assets, such as buildings, cranes, quays, buoys and other equipment through smarter use (e.g. renting, sharing) and smarter maintenance.



### 2 Circular flows within ports

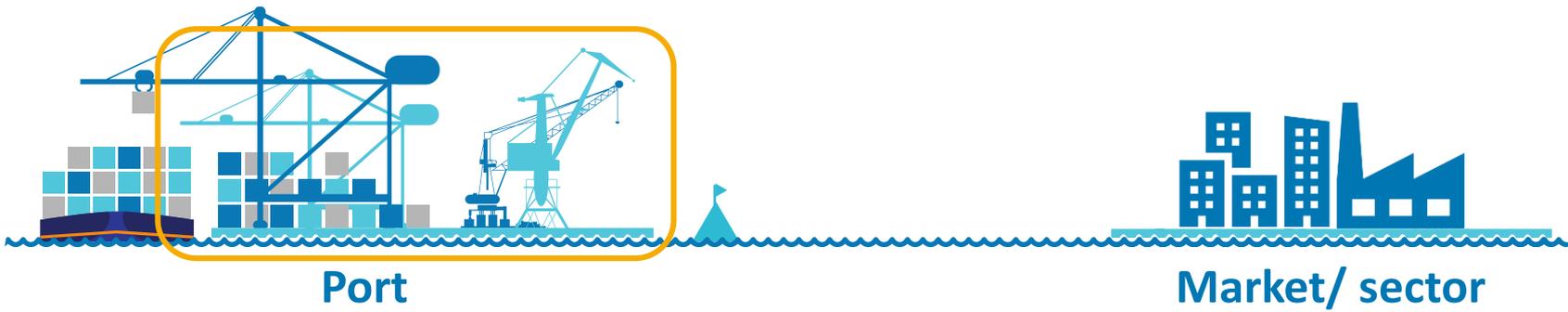
(and between ports & surrounding area)

New uses for would-be wastes generated by port activities, such as ship waste and by-products of industries within ports and port activities.



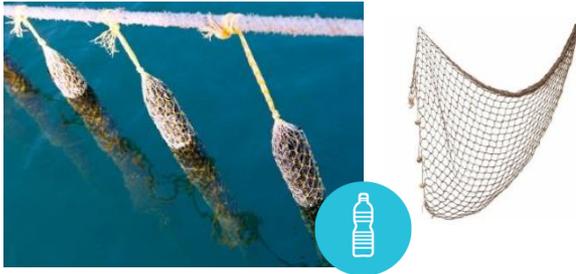
### 3 Ports & circular markets

Ports enabling other industries – both on and offshore – to become more circular by developing new activities that connect supply and demand for circular resources (targeted at resource flows through ports).



# CIRCULAR FLOWS WITHIN PORTS

(AND BETWEEN PORTS AND SURROUNDING AREA)



## Ravenna district, Italy

Recycling and re-think the fishing nets from aquaculture



## Port of Ravenna, Italy

Repair and regeneration of the shipping containers



## Port of Rotterdam, NL

Three stages Roadmap to Sustainability

The **COLLABORATIVE** role of the Port Authority

process aspects **BASIC**

market aspects **BASIC**

management aspects **BASIC**

The **FACILITATOR** role of the Port Authority

process aspects **IMPORTANT**

market aspects **BASIC**

management aspects **IMPORTANT**

The **FACILITATOR** role of the Port Authority

process aspects **IMPORTANT**

market aspects **BASIC**

management aspects **IMPORTANT**

## CIRCULAR FLOWS WITHIN PORTS

(AND BETWEEN PORTS AND SURROUNDING AREA)



### Port of Marseille, FR

Capture of greenhouse gases in microalgae

The VASCO project is using state-of-the-art green chemistry to transform industrial fumes such as CO<sub>2</sub> into a production microalgae.



Image credit: Pixabay - CC



### BOULOGNE-SUR-MER, FR

Valorisation of fish by-products

Fish by-products used as raw materials and ingredients for high value products such as the nutraceuticals, functional food, cosmetics and animal nutrition markets.



### COPENHAGEN/MALMÖ, DK

Industrial symbiosis

Development of a port-based industrial symbiosis network, where one facilities' waste is used as the input by another.

## A quick quiz to kick-off the discussion

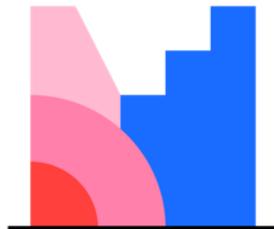
Two short questions...



**2-3 mins**

- **This theme:**
- **... is very important for our port at the moment?**
- **... is very easy to capture the circular opportunities of?**
- **... will be more important for our port in the future?**

We will discuss how more can be done or how barriers and enablers can be overcome in the next part of this session.



**Mentimeter**

- 1. Please go to: [menti.com](https://www.menti.com)**
- 2. Use the code: 70 28 05 7**
- 3. Click 'submit'**
- 4. Answer the questions**

## Follow-up question

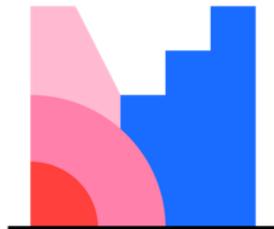
The key question...



- **What would make it easier to do more on this theme?**

Or: what would have to change to capture more of the opportunities this theme represents?  
This can be within the organisation of the port authority, or outside of it.

*A few  
minutes to  
think...*

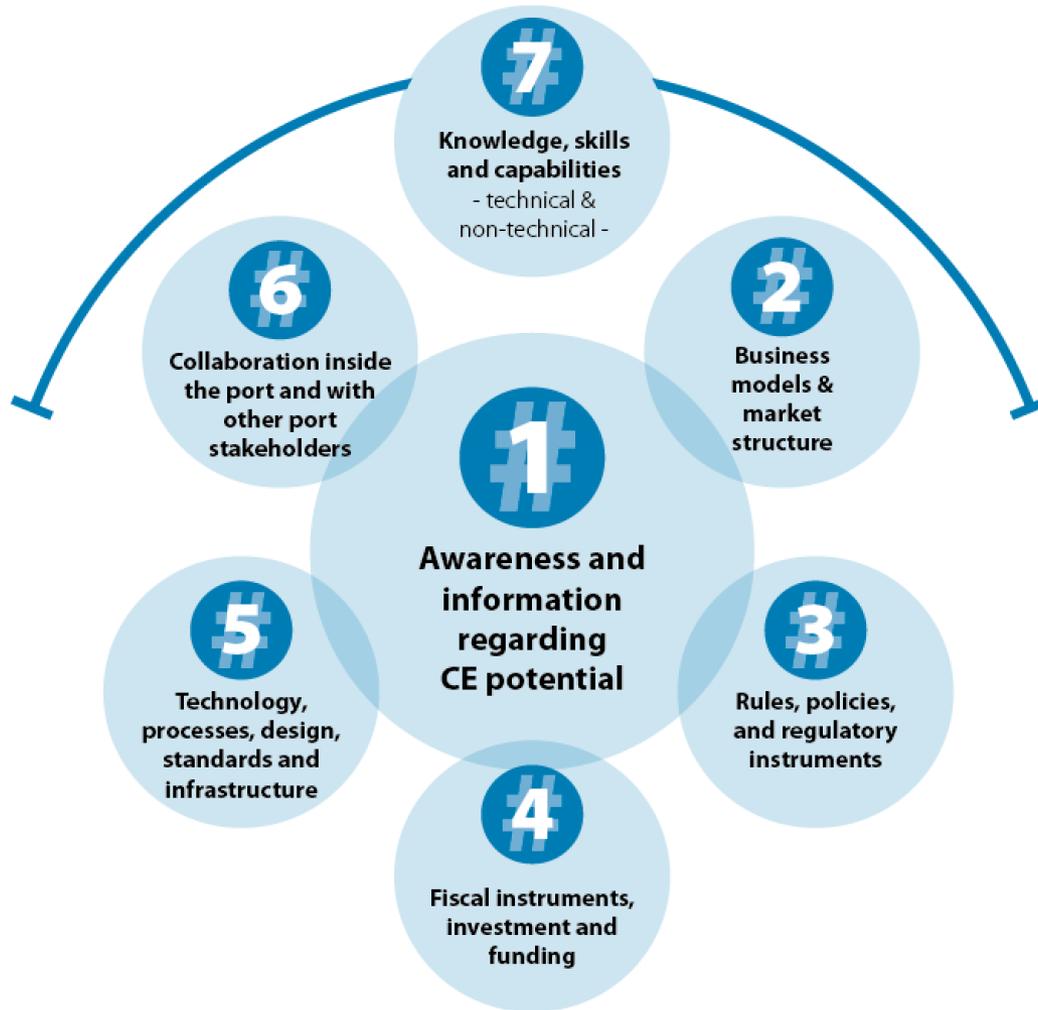


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## LEVERS FOR CHANGE

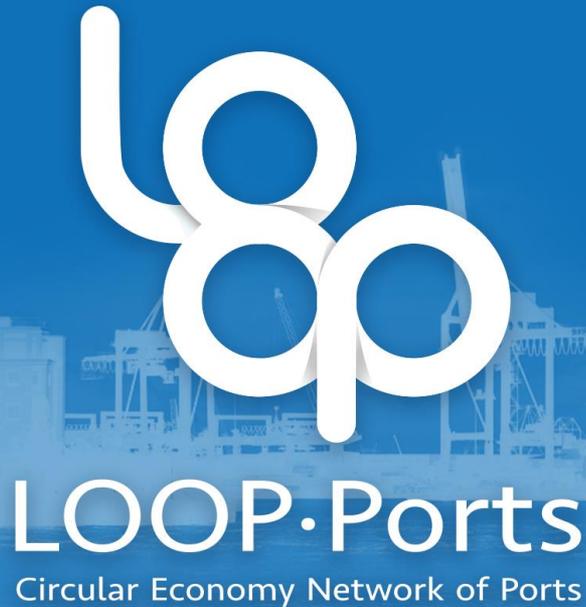
For example...





## MENTIMETER RESULTS & DISCUSSION





# CIRCULAR ECONOMY PANEUROPEAN Online Workshop 7<sup>th</sup> October 2020