



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

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



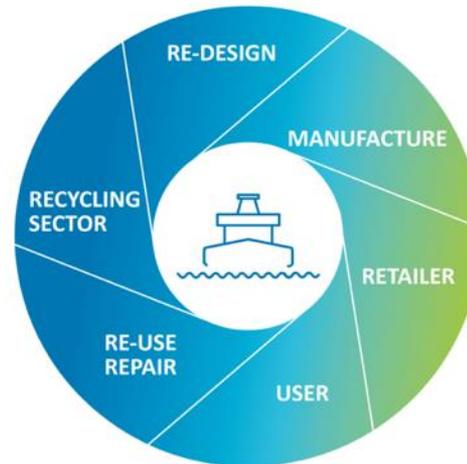
## Ports & Circular Markets

Breakout sessions, topic #3

Lia De Simon, Ton Bastein, Jorge Miguel Lara López

## 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 3

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



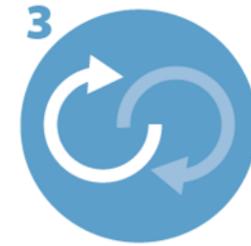
### 1 Circular port assets & equipment

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.



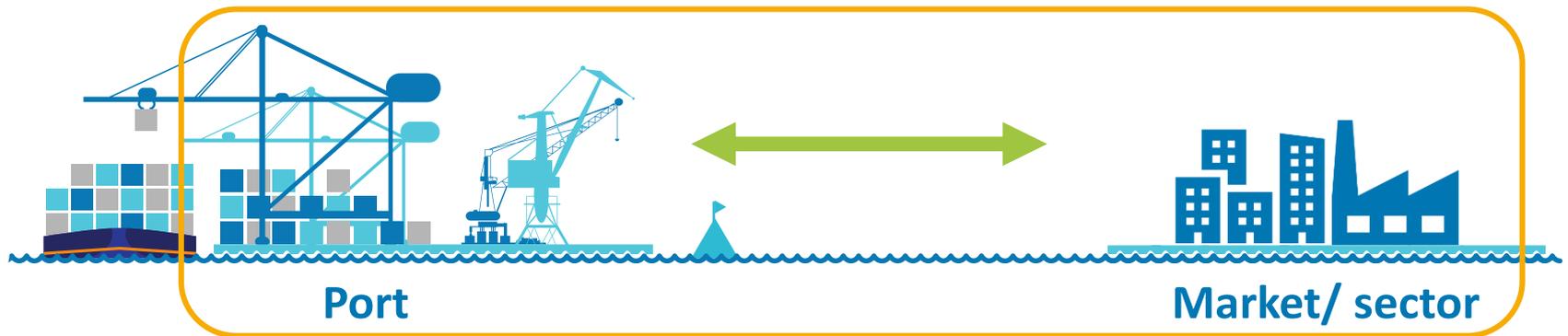
### 2 Circular flows within ports

(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).





## FREDERIKSHAVN, DK

Circular Decommissioning of ships and rigs

The port of Frederikshavn have established a dedicated infrastructure for decommissioning of offshore structures enabling reuse and refurbishment of machinery and equipment.



## MOERDIJK, NL

Valorisation of waste tires through pyrolysis

Piloting return logistics to valorize waste tires through pyrolysis - replacing incineration to obtain gas, oil and biochar for producing new goods and generation of energy.



## ANTWERP, BE

Linking Circular Markets in the Carloop Project

Antwerp Port Authority has set up a pilot project to bring back used car parts. The usable parts are sorted at local partners in West Africa and sent back to Antwerp for recycling or refurbishment.

## A quick quiz to kick-off the discussion

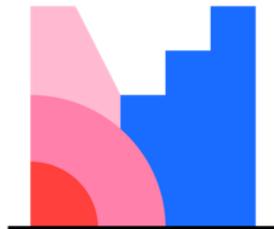
Two short questions...



- **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?**

**2-3 mins**

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: 98 56 14**
- 3. Click 'submit'**
- 4. Answer the questions**

<https://www.mentimeter.com/s/eb461f5e31326658eab827e2040d5032/d54383a09332>

## Follow-up question

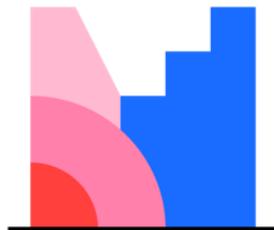
The key question...



- **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...*



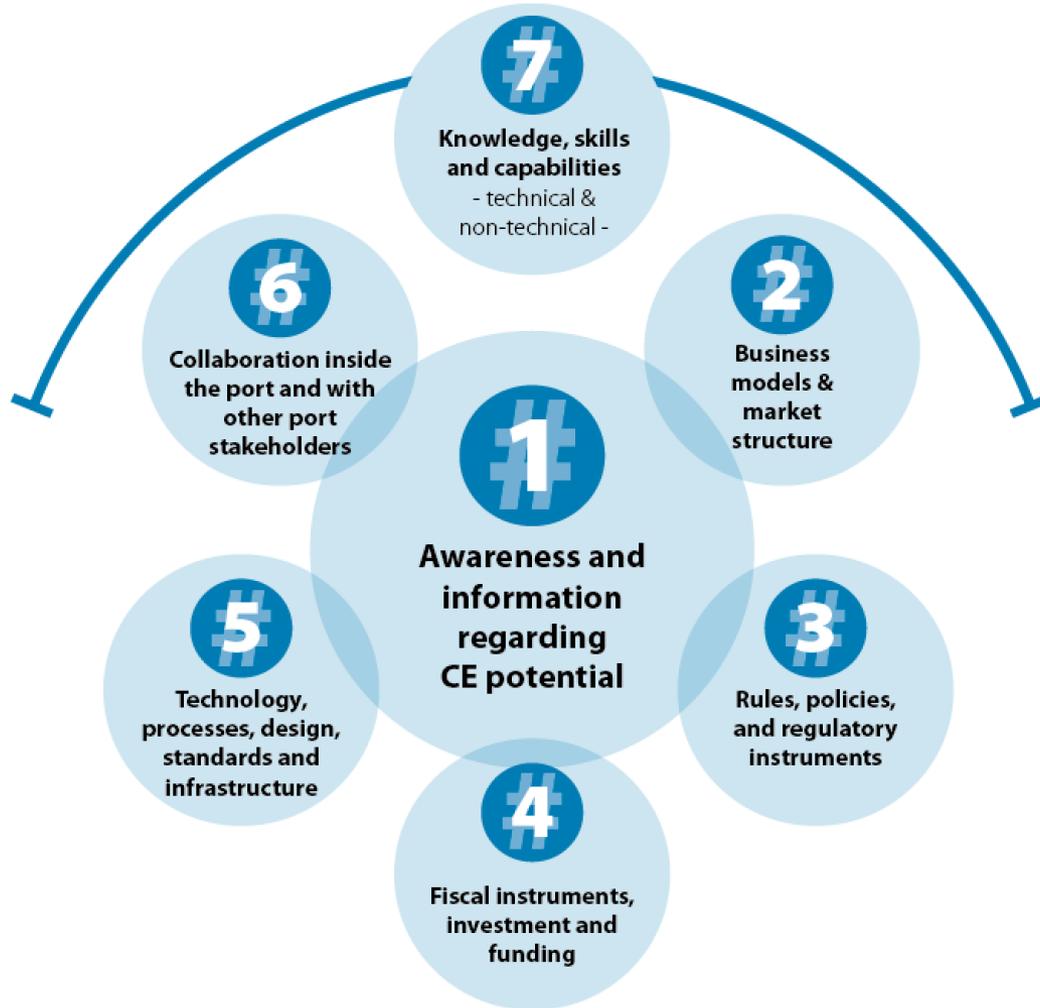
**Mentimeter**

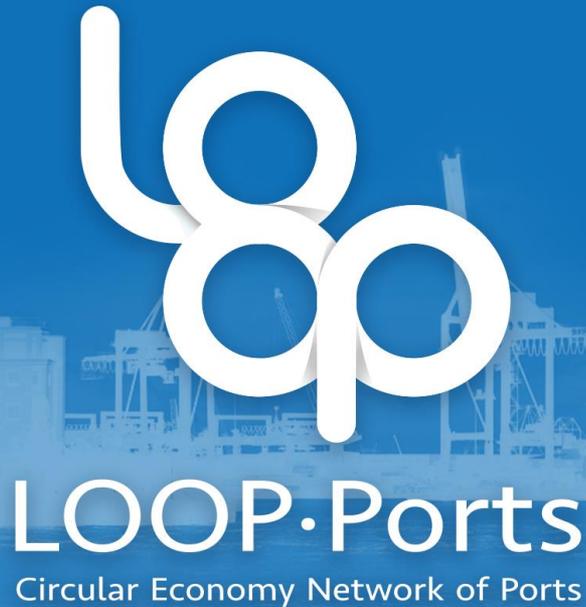
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# LEVERS FOR CHANGE

For example...





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Lia De Simon, Ton Bastein

[lia.desimon@tno.nl](mailto:lia.desimon@tno.nl) [ton.bastein@tno.nl](mailto:ton.bastein@tno.nl)