

Low Carbon and Circular Economy within a Port Context

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Content

- ☐ What is *Circular Economy*: focus on **Carbon**
- ☐ Circular Economy, Innovation & Sustainable Development
- ☐ Examples from Ports & Best Practices
- ☐ Moving forward: Port cities!

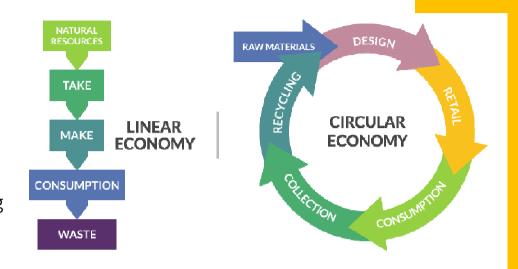
Circular Carbon Economy

Best Framework in reducing global emissions, while keeping economic growth.

Circular Systems - create a closed-loop system, minimizing the use of resource inputs and waste generation.

The *four principles* of a circular economy:

- *1) minimize* waste
- 2) use renewables (!)
- 3) study feedback loop to optimize production and
- 4) maximize the usage value of products.

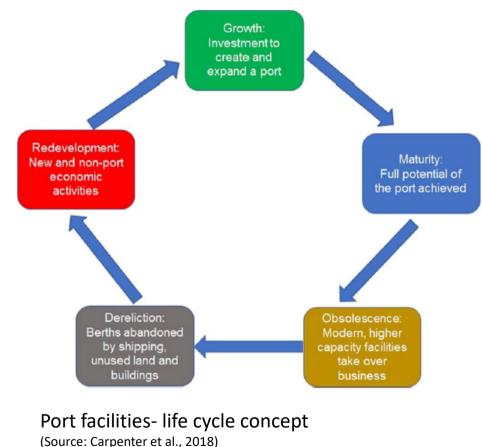




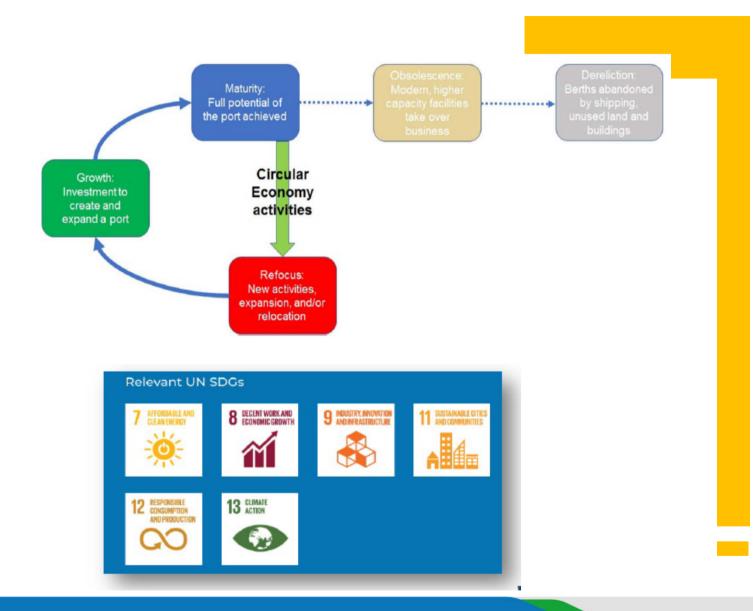
Circular Economy, Innovation & Sustainable Development



Port of Galve, Sweden

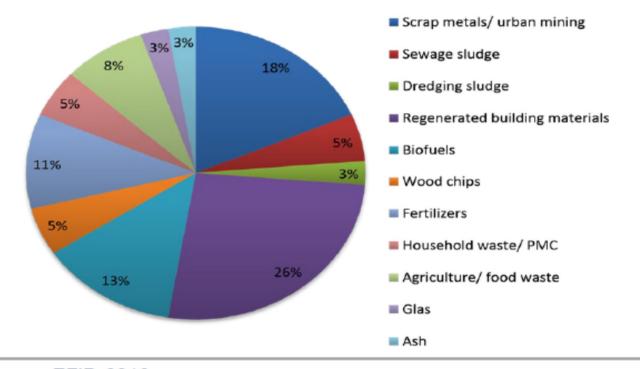


Circular Economy & UN-SDGs



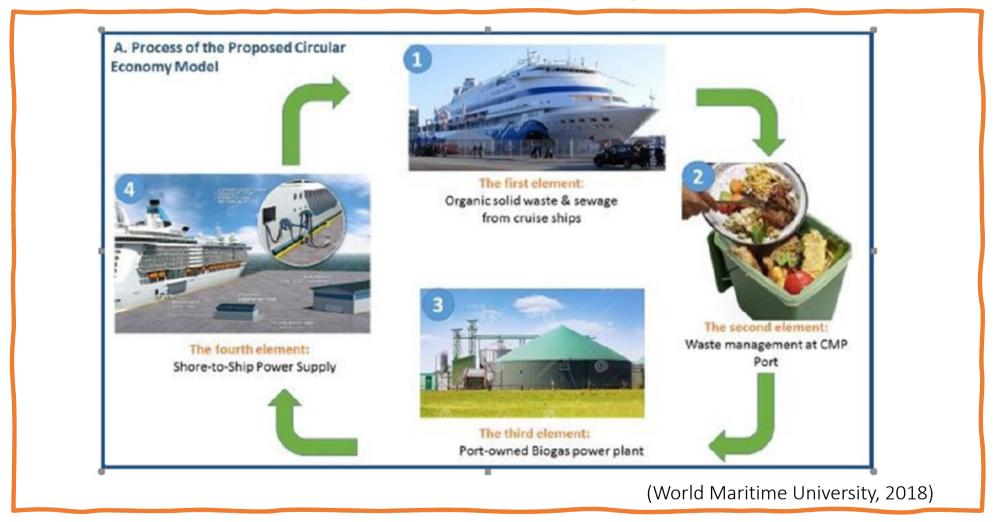
Inland Ports

Circular economy sectors - inland ports



Source: EFIP, 2016

Cercular Economy Model at Copenhagen Malmo Port





WEBINAR Decarbonising Small and Medium Ports

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Looking Forward

- Waste to energy
- Port cities



Port of Valencia



Waste to energy -Metso Outotec



Wind turbines at the Port of Hull

- Thank you for your attention!
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