




Challenges in decommissioning of floating assets

Decom Week - 18 May 2023

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Introducing Sea2Cradle



SHIP RECYCLING

- Highest HSE standard
- Compliant with EU, IMO, Basel Convention and ILO legislation



SERVICES

- Pre-planning and inspection
- Contracting
- Planning, preparation and delivery
- Recycling and waste management supervision
- Market research



TRACK RECORD

- > 20 years
- > 180 successful projects

Sea2Cradle track record



NileDutch



Carnival

A|seas



Boskalis

samskip

ExxonMobil

Santos



Standard
Club

Recycling must be done responsibly

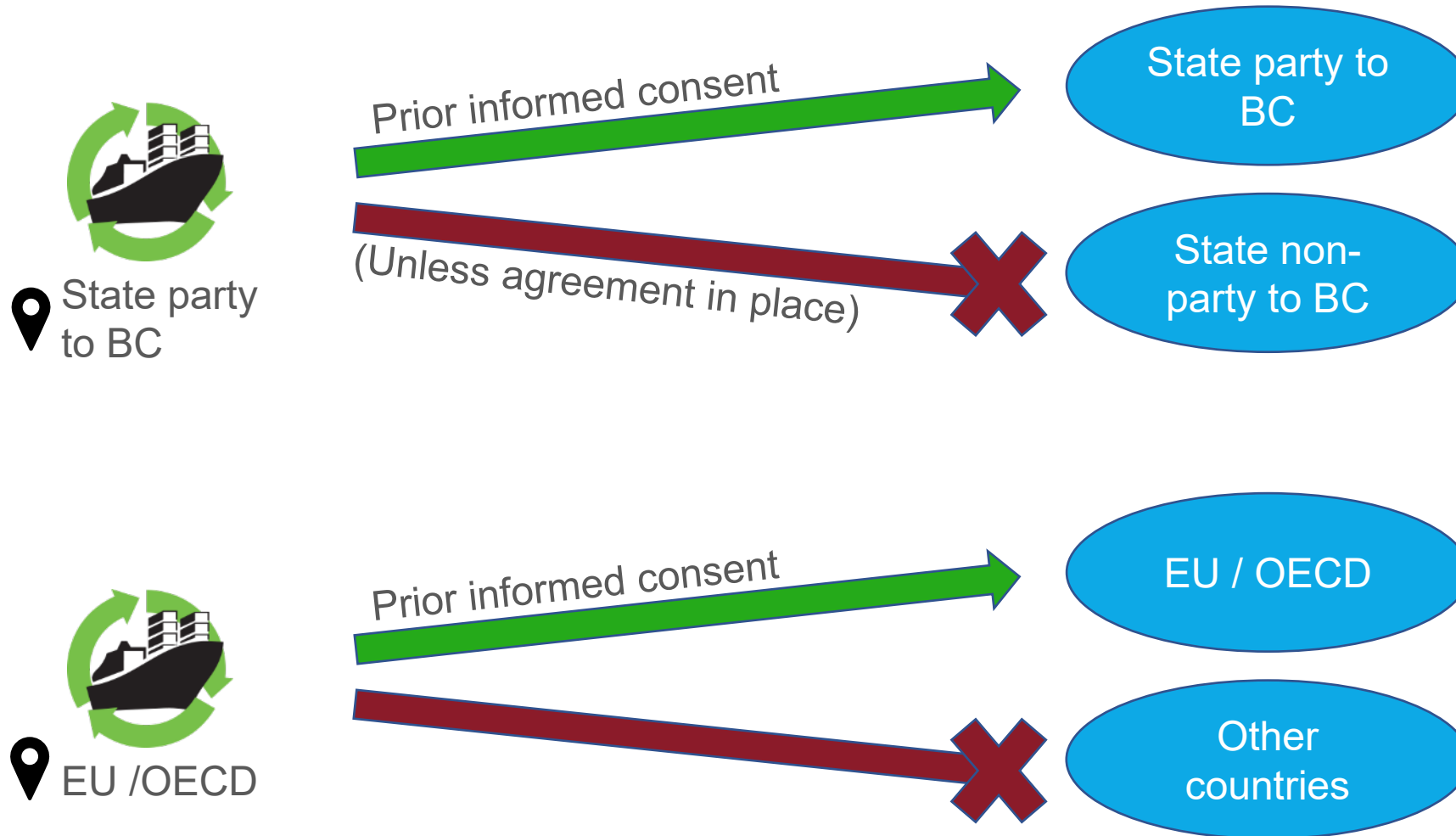
- Minimising negative environmental and social impact
 - Safe and healthy working conditions
 - Respecting labour rights
 - No pollution
 - Proper down stream waste management



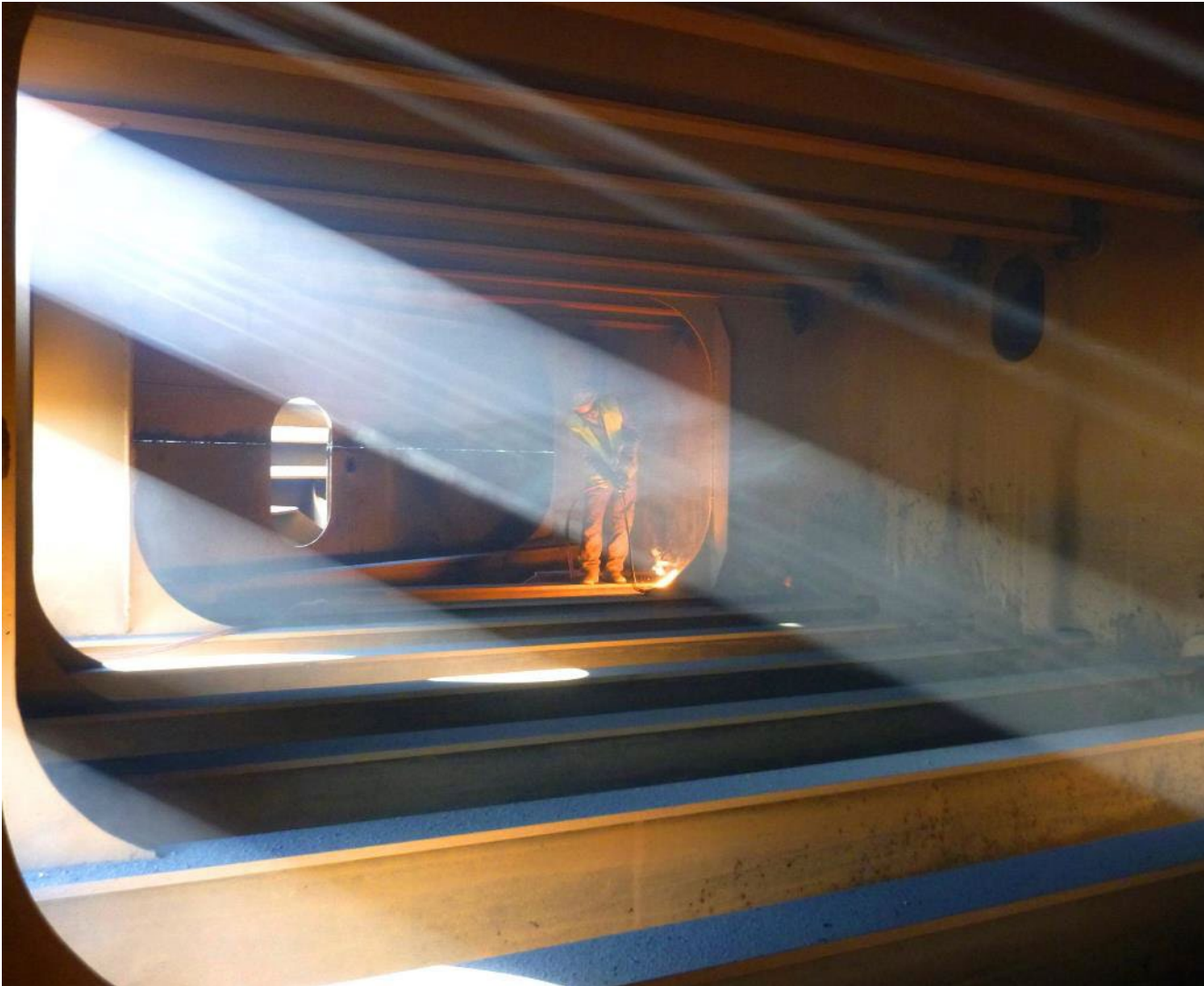
Recycling of floating assets is governed by various regulations

Ship recycling	IMO – Hong Kong Convention	Not yet entered into force, but guidelines used
	EU Ship Recycling Regulation	Applicable for all EU flagged vessels globally
Waste movement	Basel Convention	Applicable but not always used
	Basel BAN Amendment	Applicable in OECD countries
	EU Waste Shipment Regulation	Applicable for (non-EU flagged) vessels with movement starting or ending in EU

Waste movement regulation restricts choice of destination



Contamination adds challenges



- NORM
 - Acceptance limits for yards/countries
 - In situ cleaning difficult
- Mercury
 - Occupational health
 - Cleaning challenges
- Biofouling
 - Invasive species
 - Limited regulation

Capacity for responsible recycling is scarce



- Limitations:
 - Vessel size
 - Ability to handle contaminants
- Active EU/UK approved yards for largest vessels:
 - 6 (9) in Turkey, no NORM allowed
 - 3 – 4 in Europe/UK
- New facility initiatives will take time

Recommendations



- Start early, plan well ahead
 - Thorough inventory
 - Selection of suitable facilities
 - Waste shipment notification
- Assess feasibility of cleaning options
 - Plan B if cleaning fails?
- Proper disposal is owner's responsibility; assurance and documentation of process is key!

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Zero pollution, zero accidents, zero incidents

Sea2Cradle provides a hassle-free way for ship owners to recycle their vessel responsibly.



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