



Stormwater Fundamentals Series - WSUD Asset Maintenance

Ocean Protect webinar by Fotos Melaisis & Daniel Rider
23 October 2024

ACCESS THE

 WSUD MAINTENANCE
COMPLIANCE FRAMEWORK
wsudcompliance.com.au



**Starts at
12:30pm AEDT**

Stormwater Fundamentals Series

- ✓ 1. The Rational Method - Wednesday 7th February 2024
- ✓ 2. Inlet Design - Wednesday 21st February 2024
- ✓ 3. Pipe Design - Wednesday 27th March 2024
- ✓ 4. Impacts of traditional urban stormwater management - Wednesday 1st May 2024
- ✓ 5. Water Sensitive Urban Design - Wednesday 22nd May 2024
- ✓ 6. Gross Pollutant Traps - Wednesday 12th June 2024
- ✓ 7. Bioretention - Wednesday 3rd July 2024
- ✓ 8. Proprietary stormwater treatment assets - Wednesday 31st July 2024
- ✓ 9. Stormwater pollution in the 'real world' - Wednesday 28th August 2024
- ✓ 10. Development assessment (for DA reviewers) - Wednesday 25th September 2024
11. WSUD Asset Maintenance - Wednesday 23rd October 2024
12. WSUD Asset Compliance - Wednesday 13th November 2024



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Upcoming event

- TASMANIAN - STORMWATER SYMPOSIUM

**HOTEL GRAND CHANCELLOR HOBART
20th NOVEMBER 2024 | 8:30AM - 5PM**



Derwent
Estuary
Program

OCEAN
PROJECT



Conflict of interest declaration



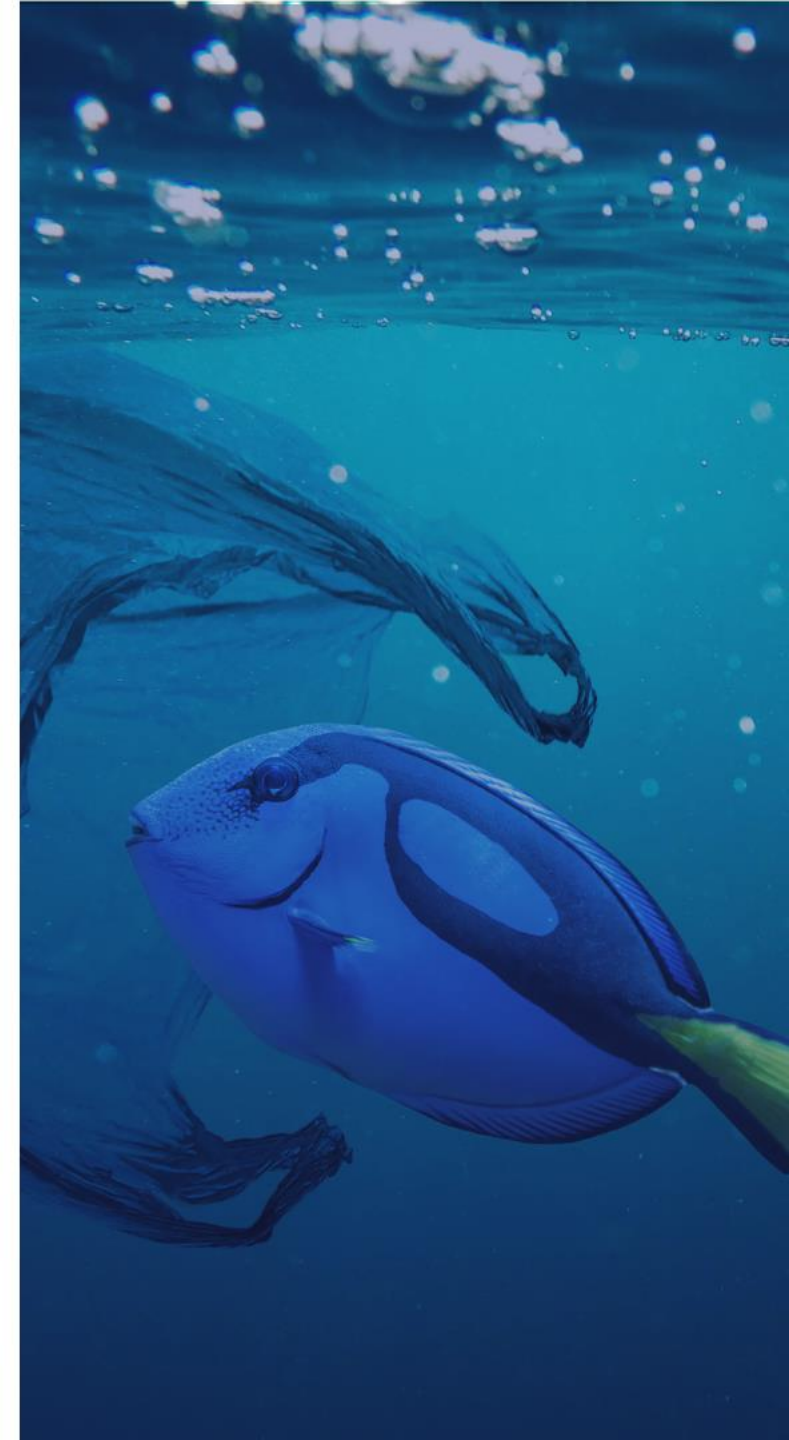
Ocean Protect

- ④ Installed >72,620 assets
- ④ Captures >10,900 kg of pollution per day
- ④ Captured >23.6 million kg of pollution to date



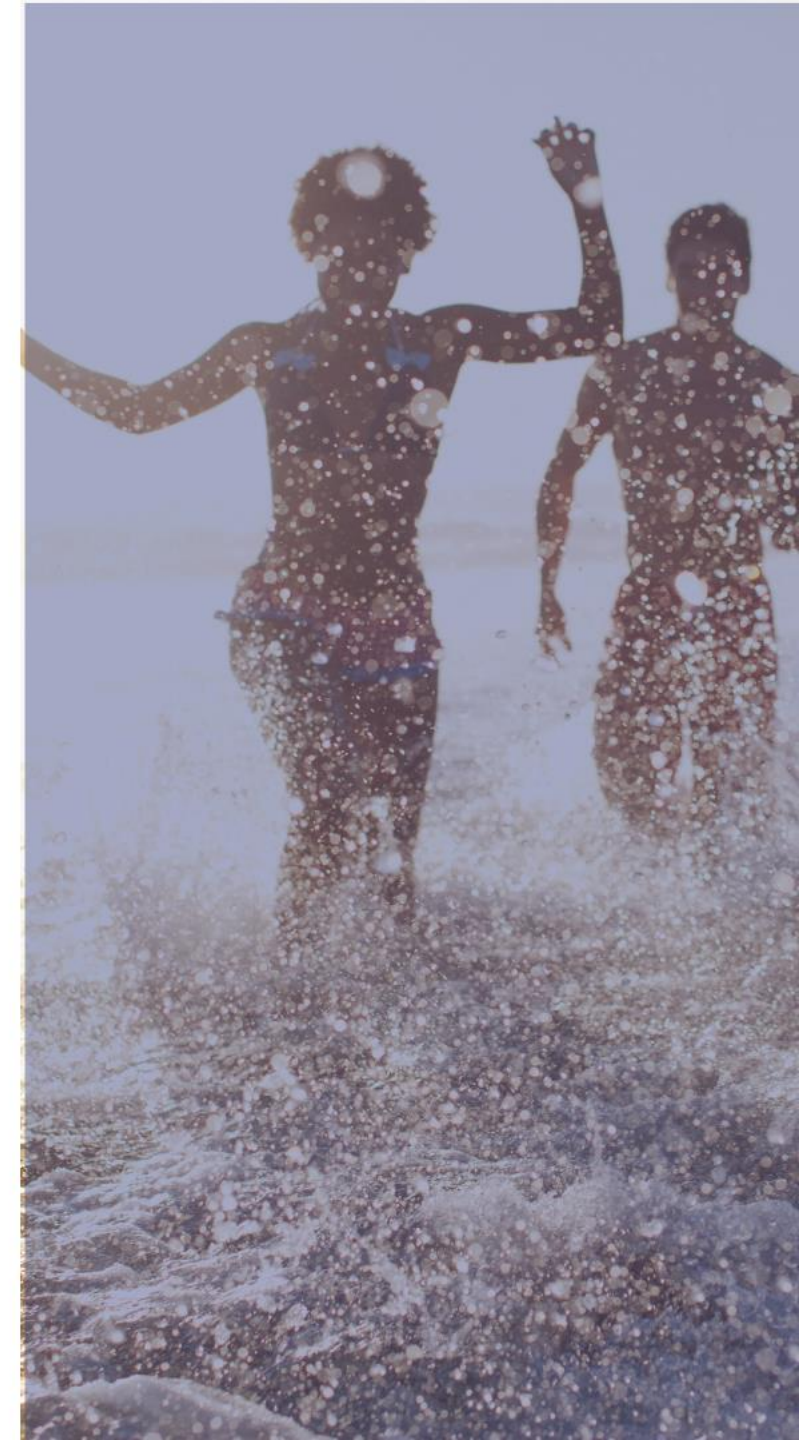
Reminders

- ④ Please put any questions in the 'Q&A' panel
- ④ The slides & recording will be made available at www.oceanprotect.com.au/webinars
- ④ Please email any CPD form requests to enquiries@oceanprotect.com.au



What is WSUD?

"An approach to the planning and design of urban areas that aim to minimize the impacts of urban development on receiving waters while maximizing economically, environmentally, and social beneficial outcomes for communities"
(Water by Design 2022)



What are WSUD assets?

WSUD assets

Stormwater detention assets

Reduce flood risks by storing & slowly releasing stormwater to the public drainage system



Stormwater infiltration assets

Recharge groundwater & reduce flood risks by infiltrating stormwater close to its source



Stormwater treatment assets

Protect waterways by improving the quality of stormwater



Water conservation assets

Reduce potable water demands by using alternative water sources for non-potable purposes



Why maintain them?

- ④ No maintenance = nonperforming or underperforming assets
- ④ It is illegal not to



Who can maintain them?

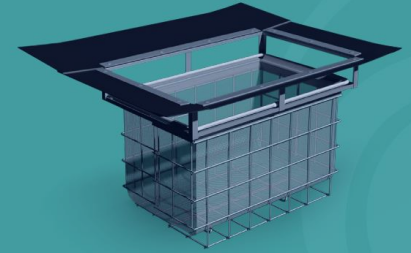
Suitably qualified persons:

- ⦿ Experienced
- ⦿ Qualified
- ⦿ Equipped



How to maintain them?

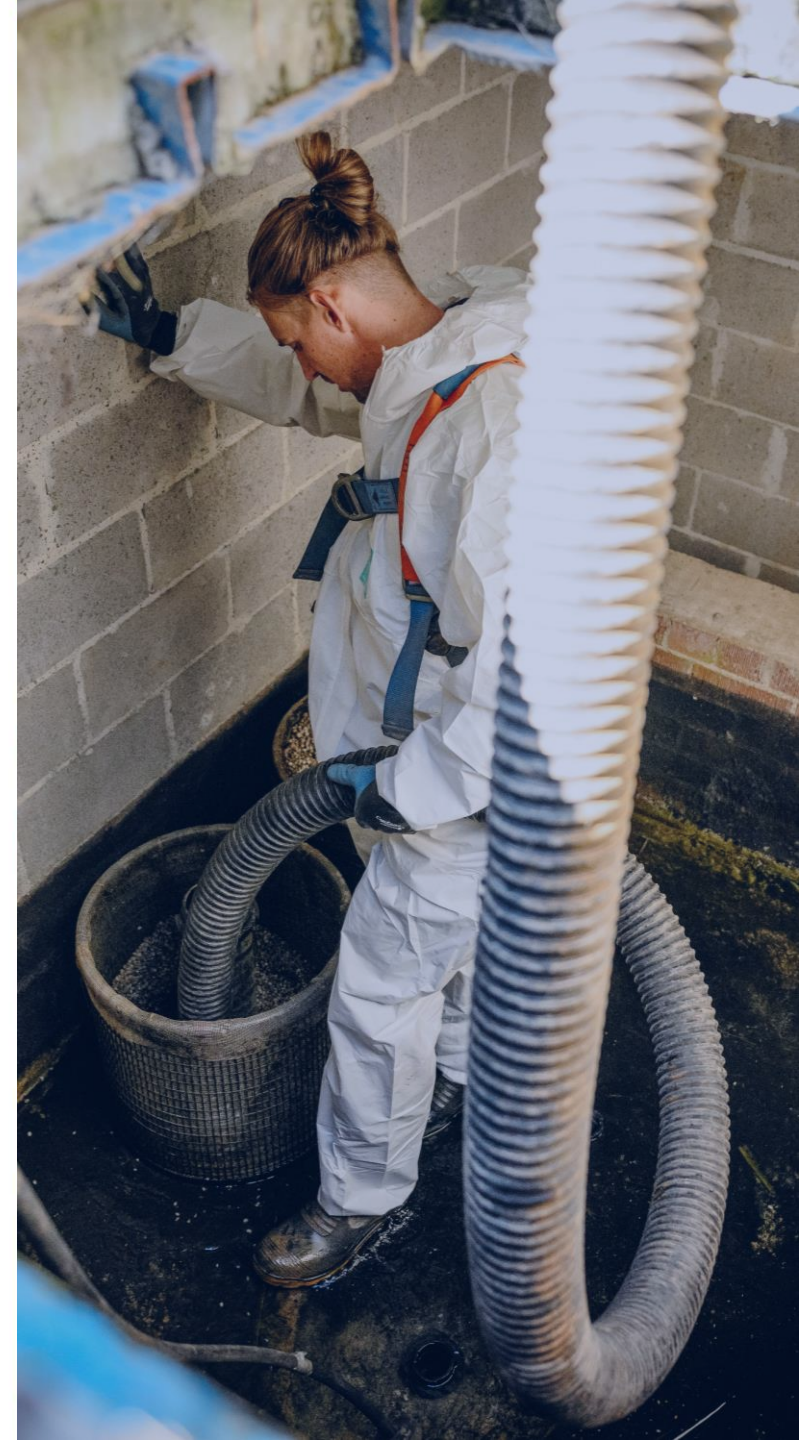
- ④ In accordance with:
 - Council requirements
 - Manufacturer's/suppliers recommendations
 - Maintenance schedule
- ④ Look at Stormwater NSW's guideline



What is a maintenance contract?

Document between an asset owner and a maintenance provider. It should include:

- ⌚ Duration
- ⌚ Assets covered
- ⌚ How work will be done
- ⌚ Exclusions
- ⌚ Costs



What is a maintenance schedule?

Document that outlines the requirements for the management of a WSUD system. It should identify the:

- ② Assets
- ② Work activities
- ② Activity frequencies
- ② Asset locations



How to ensure maintenance?

Councils should use:

- ① Development conditions
- ① WSUD system agreements
- ① Compliance program



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WSUD MAINTENANCE COMPLIANCE PROGRAM

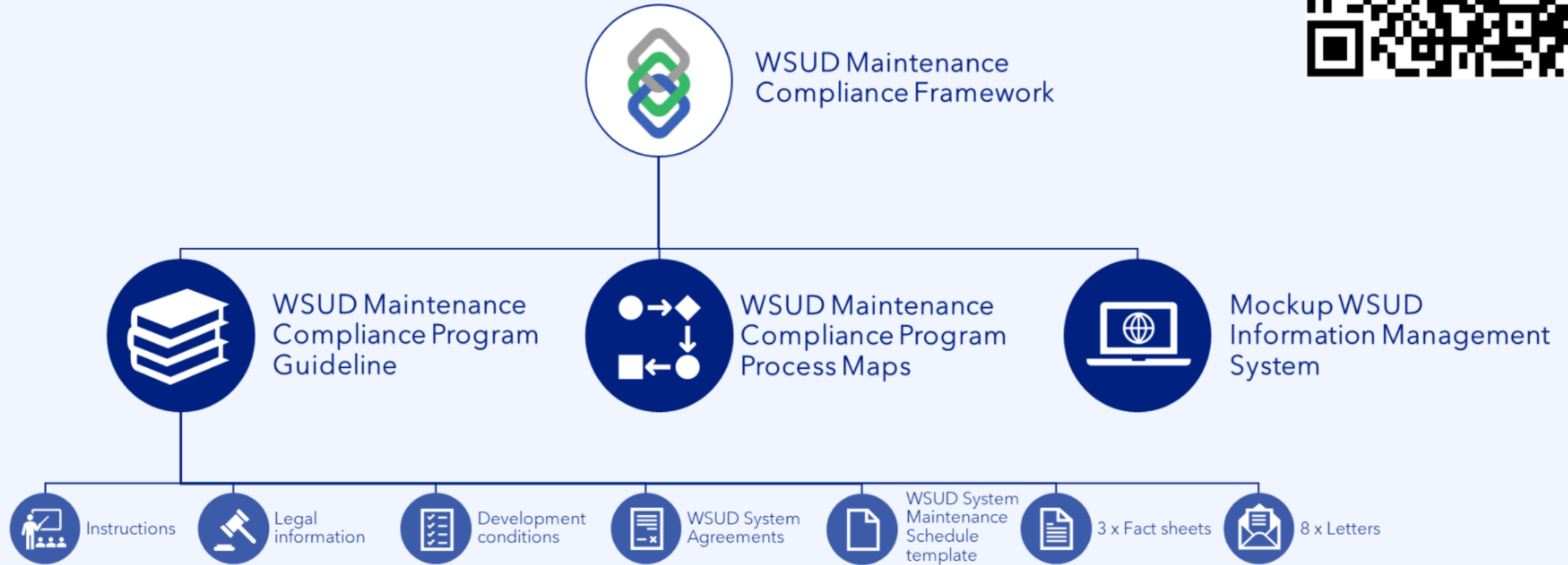
GUIDELINE



CONSULTATION DRAFT

April 2024 | www.wsudcompliance.com.au

WSUD MAINTENANCE COMPLIANCE FRAMEWORK



Take home messages

- ② Assets need to be maintained:
 - by suitably qualified persons
 - in accordance with council's requirements
- ② Important documents:
 - Maintenance schedule
 - Maintenance contract
- ② Councils need to improve management of WSUD assets





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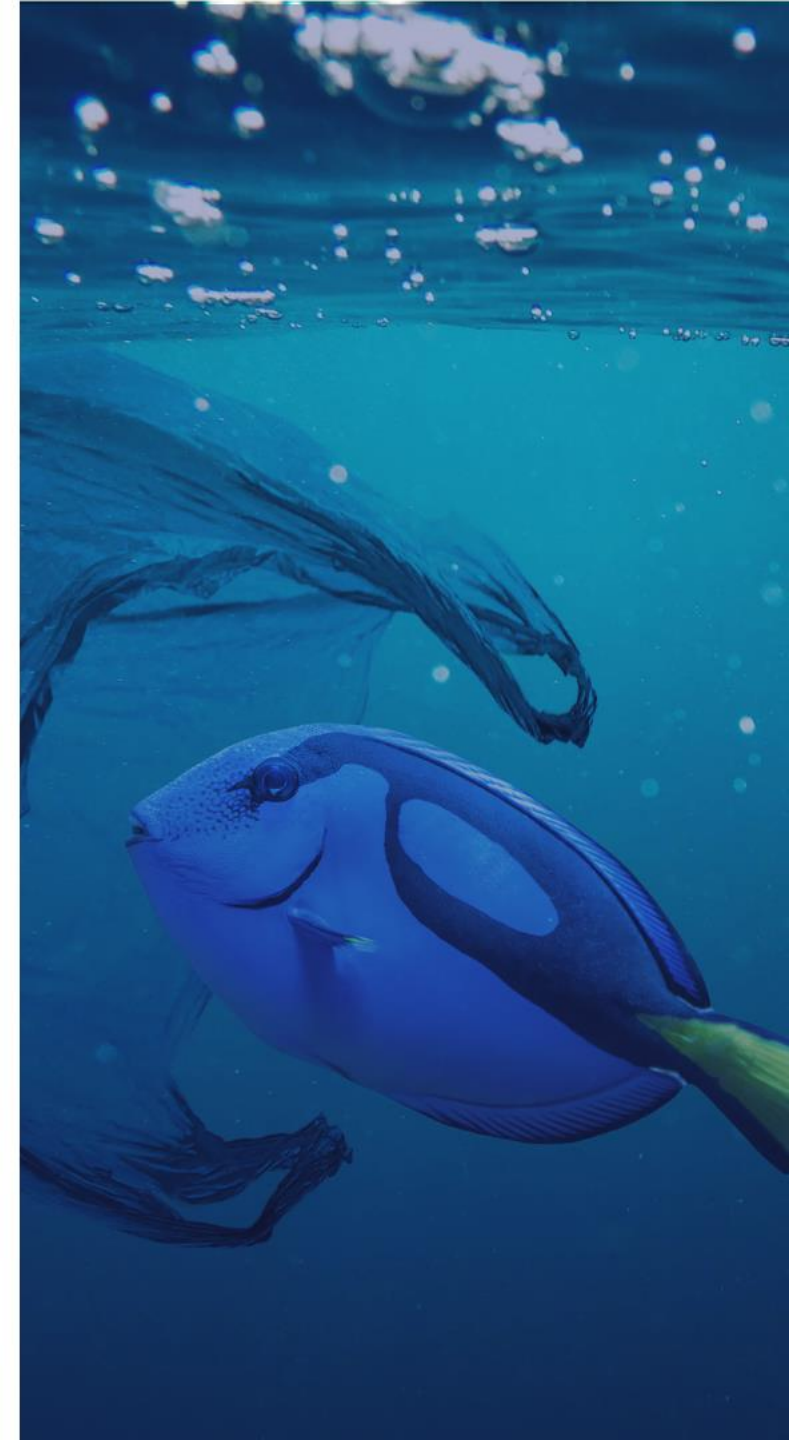
THANK YOU

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