

# Business Leadership for Oceans - Source-to-Sea Solutions

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# Serious global water challenges

- 80% of global populations exposed to high levels of threat to human **water security**
- **Water quality** severely affected in more than 80% of the world's transboundary river systems
- 20% of the world's **aquifers** are being overexploited, some massively so

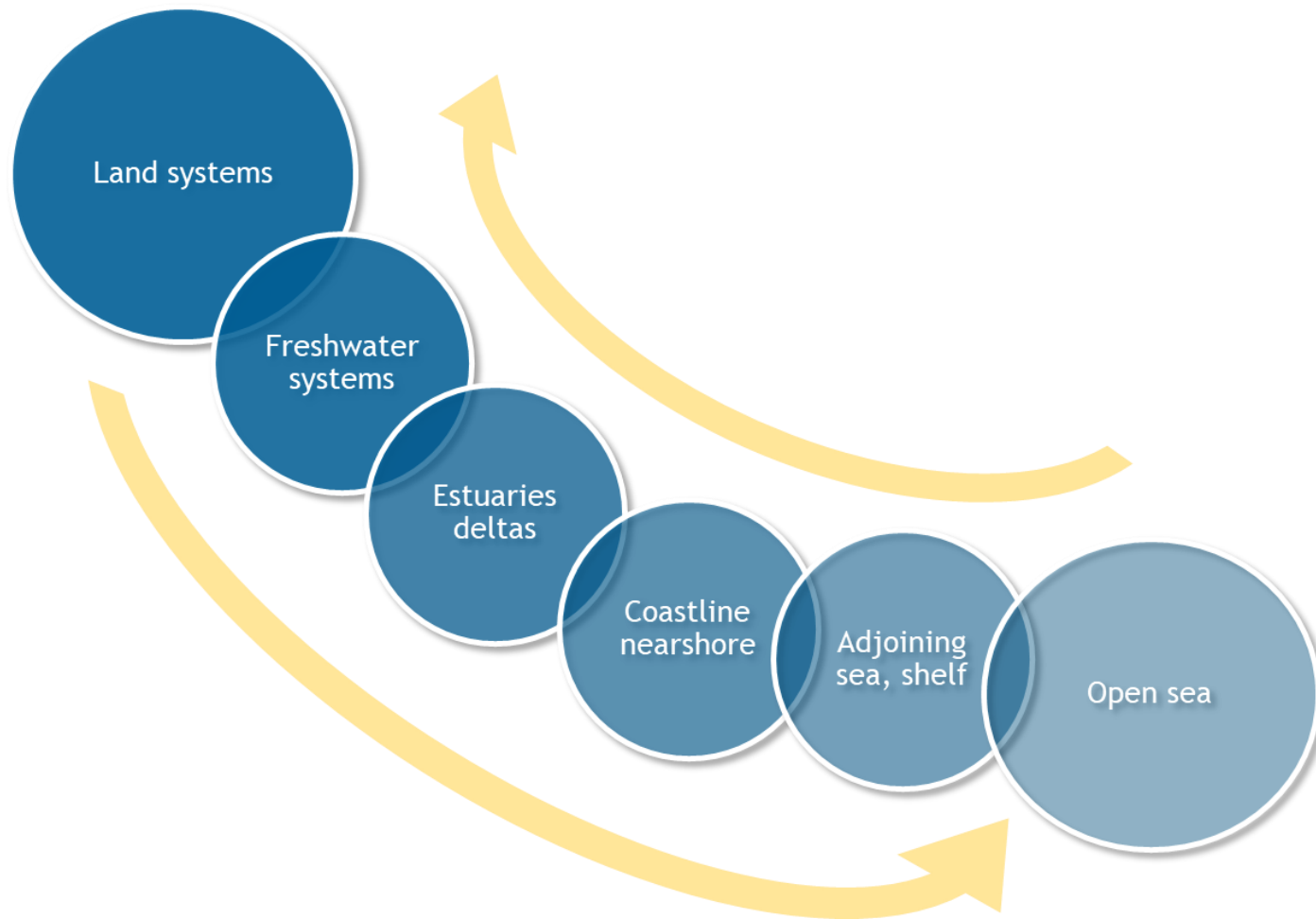
All aggravated by  
climate change



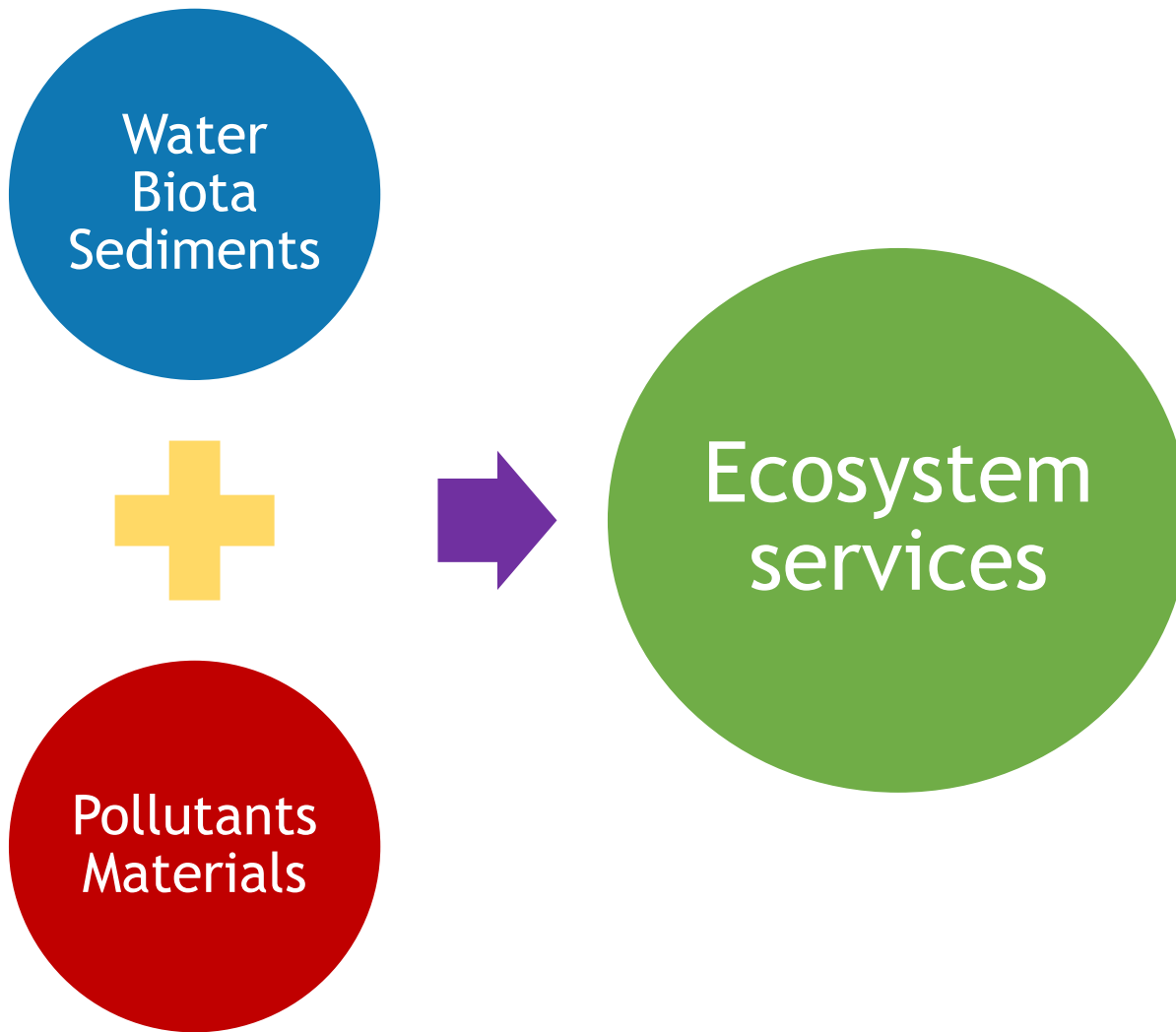
# Why is the source-to-sea approach needed?

- Virtually no marine area is unaffected by **anthropogenic activities** (80% of all pollution from land-based sources)
- **Dead zones** in coastal areas have spread exponentially since 1960s
- **Plastics** production increased twenty-fold over the last 50 years





**Land, freshwater and ocean environments connected by water**



Source-to-sea key flows

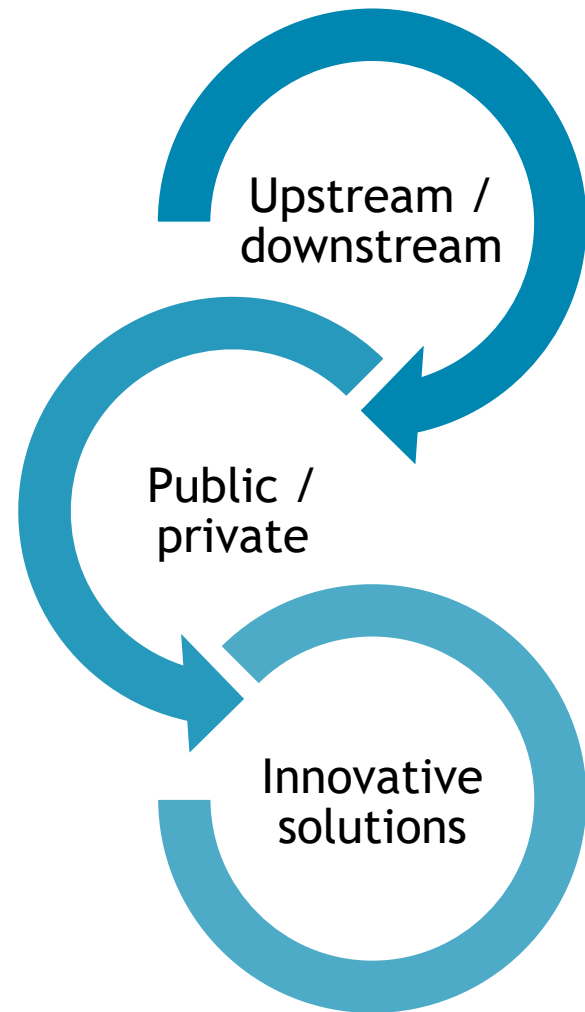
**” The objective with the source-to-sea approach is to identify appropriate courses of action in a given source-to-sea system that address alterations in key source-to-sea flows and lead to economic, social and environmental benefits.”**

Granit et al. 2017

**A added specific objective is to link the implementation of the SDG's on freshwater (SDG 6) and Oceans (SDG 14)**

*- as discussed and agreed at the High-Level Political Forums in 2017 (SDG 14 Review and UN Oceans Conference) and 2018 (SDG 6 Review)*

- Take a **holistic view** from “source” to “sea” by understanding the linkages between land, freshwater and marine environments.
- Engage with **upstream and downstream stakeholders** and the public sector to implement source-to-sea smart policies and practices.
- Innovate **new solutions** that accrue upstream-downstream source-to-sea benefits.



## Private sector in source-to-sea management

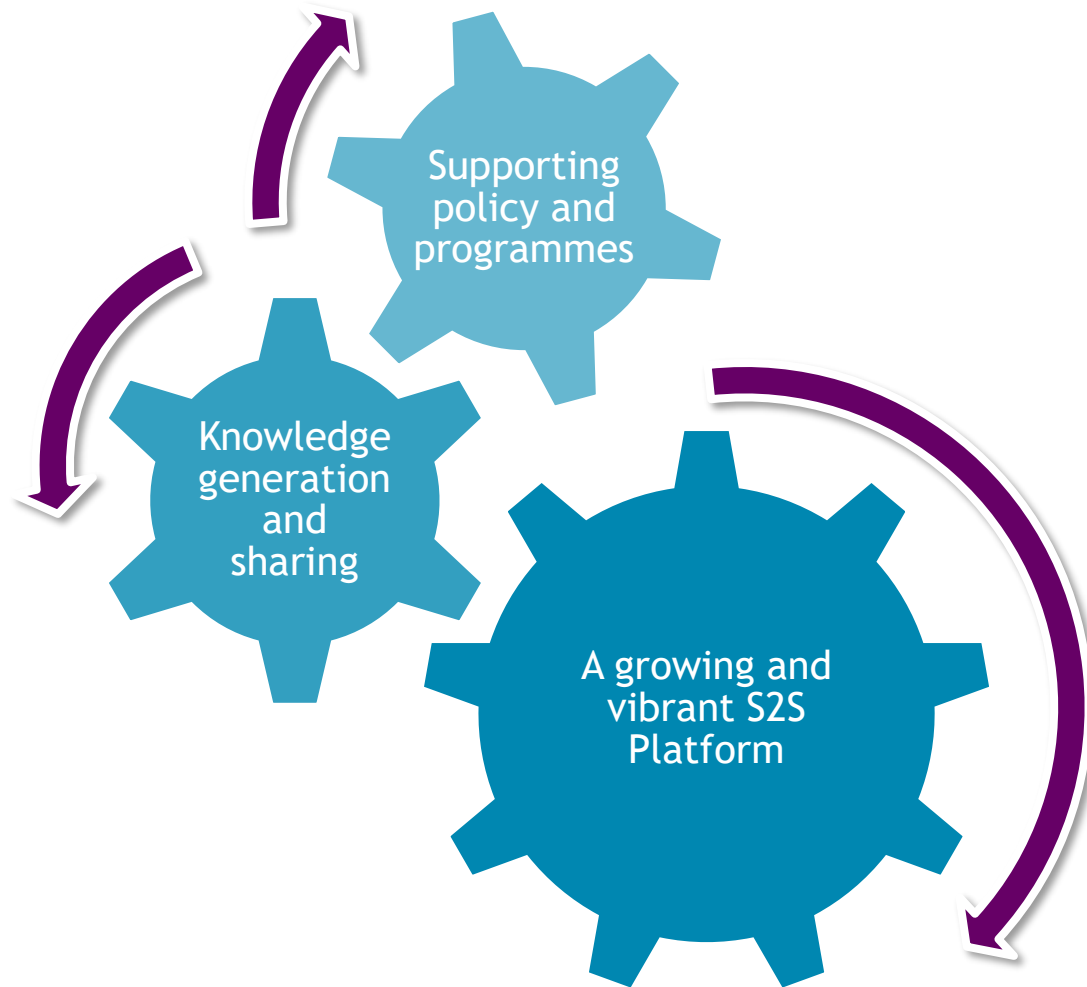


# Engaging the private sector

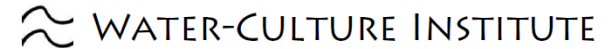
- Natural resources based operations or supply chains
- Manufacturing e.g., chemicals, pharmaceuticals, packaging, etc.
- Water and energy and infrastructure

Already happening - as e.g. WOC here, SUEZ in Brazil etc. - but need to accelerate





# Action Platform for Source-to-Sea Management



**S2S Platform partners**  
**- with more private sector actors to come!**

Thank you

