

Rene Kolman

Secretary General

International Association of Dredging Companies





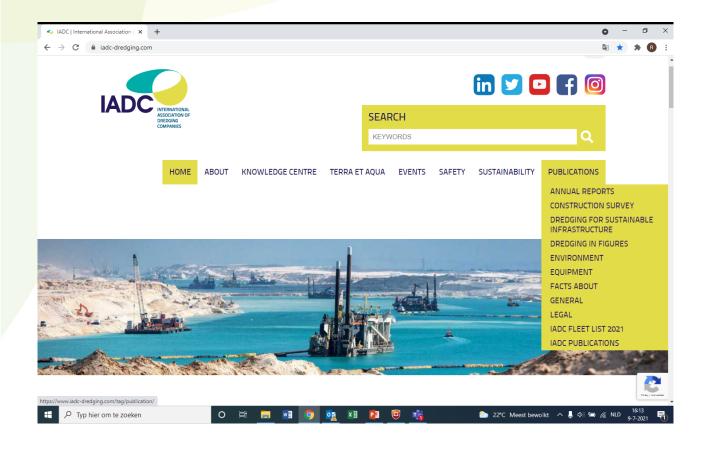
About IADC

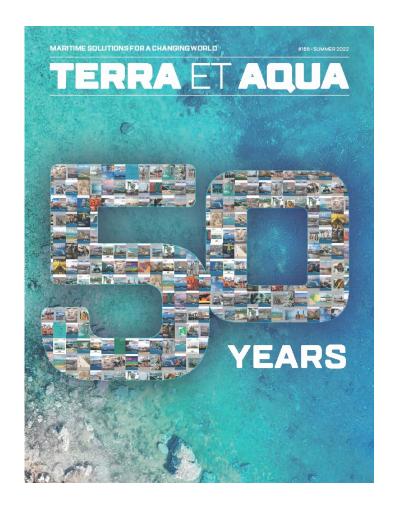






About IADC





www.iadc-dredging.com





Dredging for Centuries

Original notebook of Leonardo da Vinci



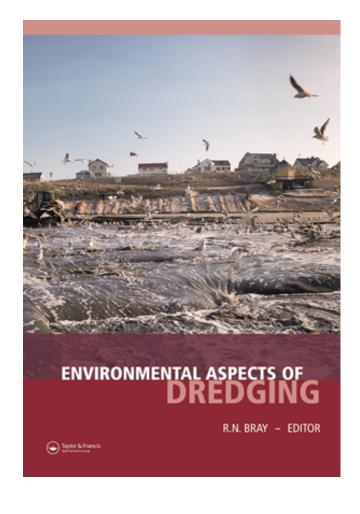


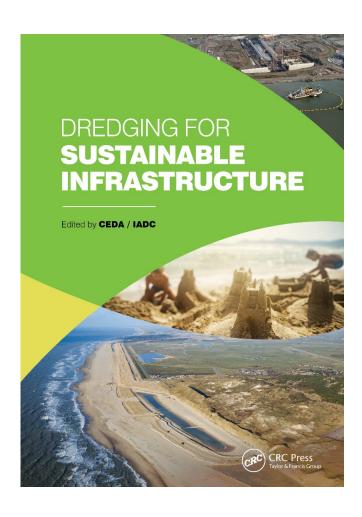






From reactive to proactive



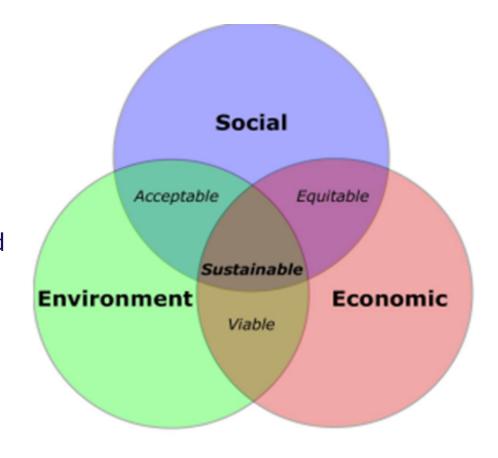




Sustainability

Our ambition is to achieve dredging projects that fulfil their **primary functional requirement**, while **adding value** to the (natural and socio-economic) system based on thorough understanding of the natural system and proactive engagement of stakeholders throughout.

This book provides **guidance** to make this possible.



Principles of sustainability





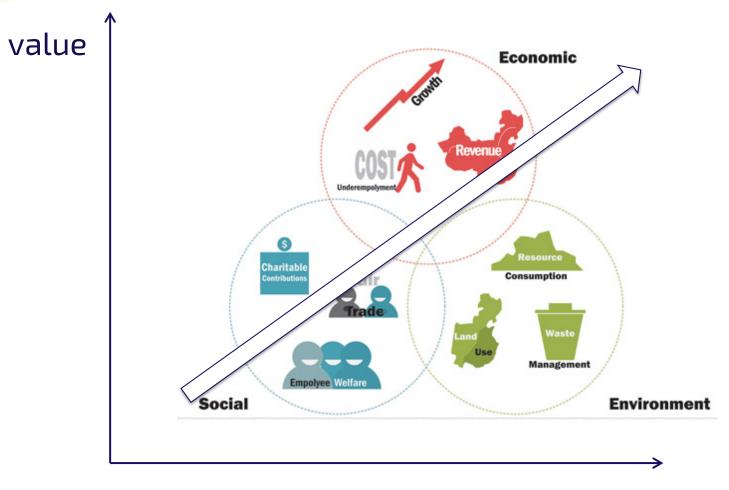
Principles of sustainable dredging

- Social, environmental, and economic objectives should be systematically considered and integrated
- Work with natural processes
- Stakeholders should be engaged at the earliest conceptual stage.
- Use scientifically based criteria and guidelines
- Beneficial use of dredged materials should be given priority
- Dredging can be a key solution for remediation and restoration
- monitoring and assessment information before, during and after project





Vision and value creation



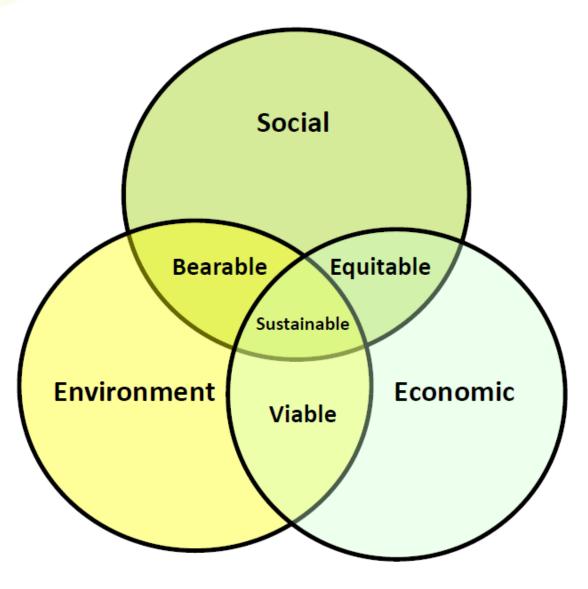
time





Cost-Benefit analysis of social-environmental

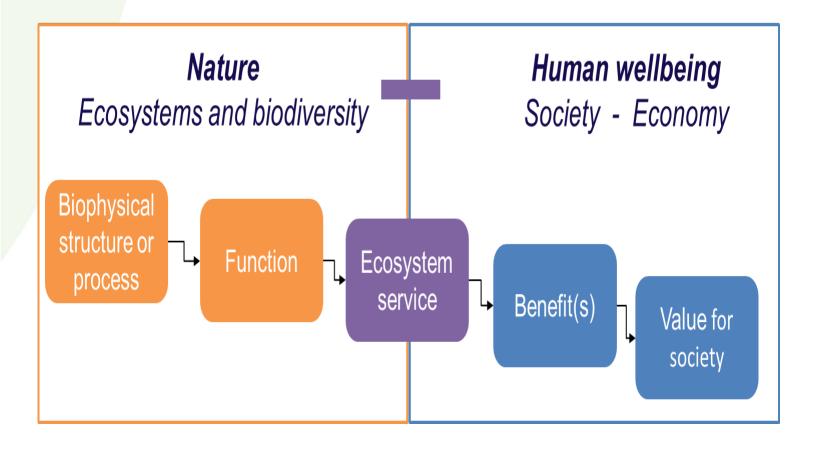
economic costs





Ecosystems Services

"The benefits that humans derive from nature"





ECOSYSTEM SERVICES











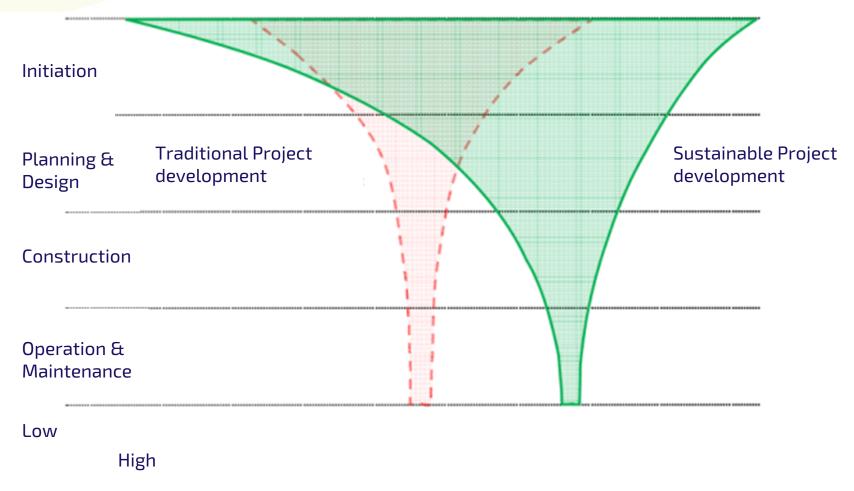


Stakeholder engagement to increase project value





Stakeholder involvement & risk reduction



Success of environmental and societal project implementation





Adapt to nature instead of the reverse











Long Term Value





Sustainable Asset Valuation Methods















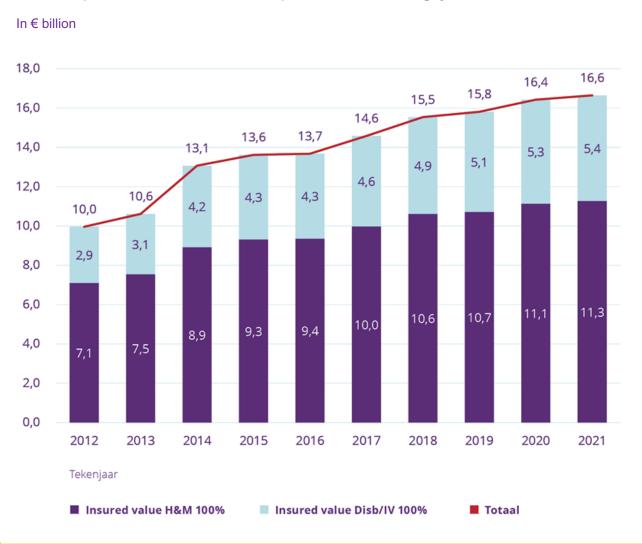


System of Environmental Economic Accounting



Increase in equipment

Development insured value per underwriting year















Dredging for Sustainable Infrastructure

CH 1 Preface

CH 2 Integrating dredging in sustainable development

CH 3 Project initiation, planning and design

CH 4 Assessment and management of sustainability

CH 5 Dredging and construction operations

CH 6 Dredged material management

CH 7 Models and tools

CH 8 Data and monitoring

www.iadc-dredging.com



