

BY RENE KOLMAN, SECRETARY GENERAL IADC





DREDGING FOR CENTURIES



Reconstruction of the muddrag by Leonardo da Vinci

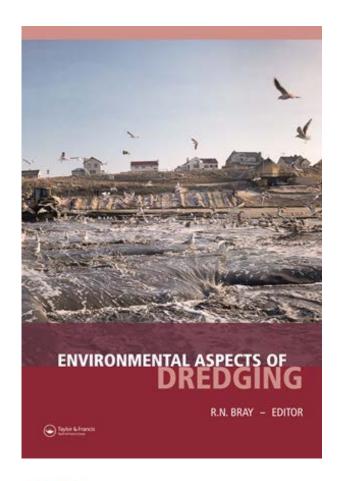


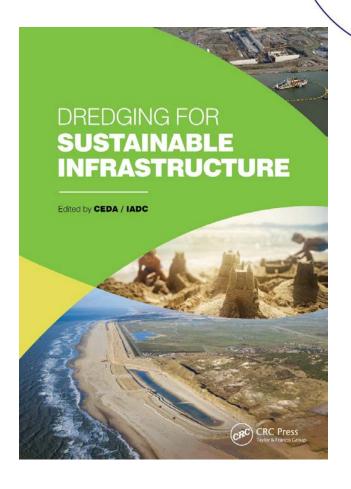






FROM REACTIVE TO PROACTIVE









SUSTAINABILITY

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

This book provides guidance to make this possible.





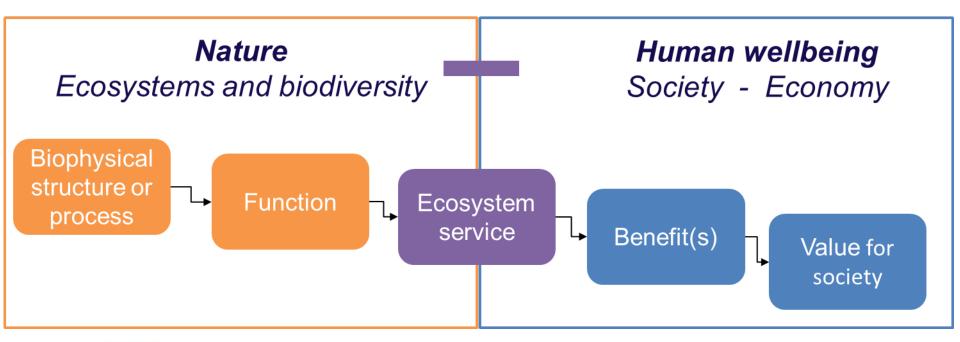


Figure 2.2: Principles of sustainability

ECOSYSTEM SERVICES

erive from nature"

"The benefits that humans derive from nature"







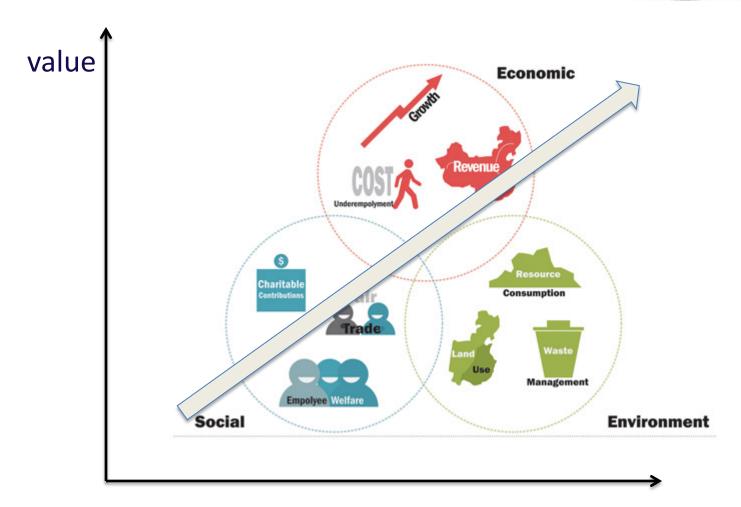
PRINCIPLES OF SUSTAINABLE DREDGING

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





VISION AND VALUE CREATION







time

ADAPT TO NATURE INSTEAD OF THE REVERSE













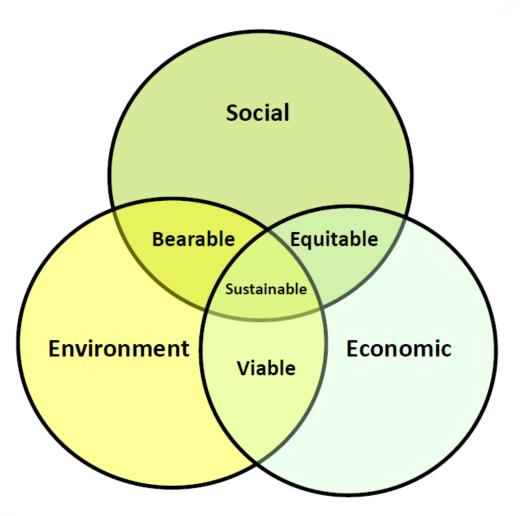
LONG TERM VALUE







COST-BENEFIT ANALYSIS OF SOCIAL-ENVIRONMENTAL ECONOMIC COSTS







EXAMPLE HORSESHOE BEND DREDGING











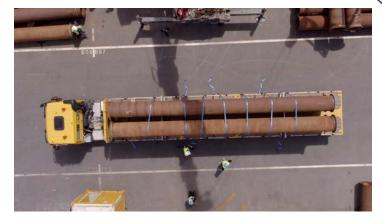






INNOVATIONS













STAKEHOLDER ENGAGEMENT TO INCREASE PROJECT VALUE







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

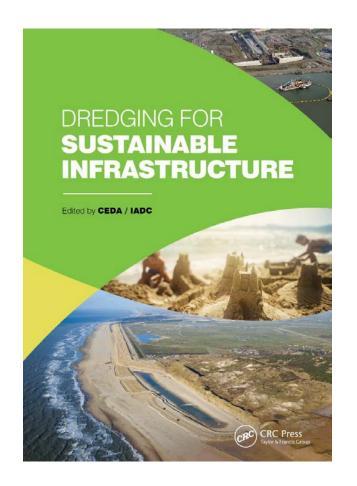
CH 7 Models and tools

CH 8 Data and monitoring





PUBLICATION OF THE BOOK





www.iadc-dredging.com

www.dredging.org

www.sustainabledredging.com



