

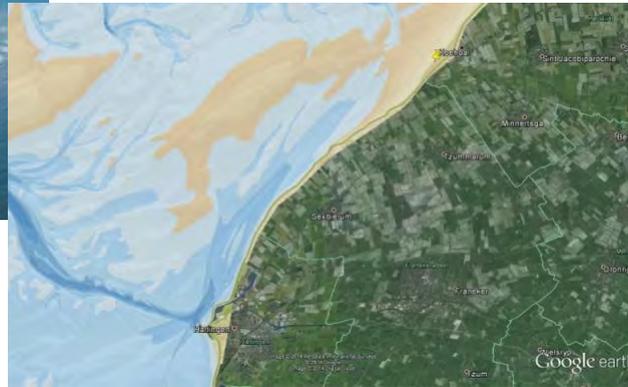


SUSTAINABILITY: “WHAT DOES IT MEAN IN DREDGING PROJECTS

RENE KOLMAN, secretary general IADC



BUILDING WITH NATURE



Engineering With Nature 

Dr. Todd S. Bridges
Senior Research Scientist, Environmental Science
Engineer Research and Development Center

May 2012




US Army Corps of Engineers
BUILDING STRONG



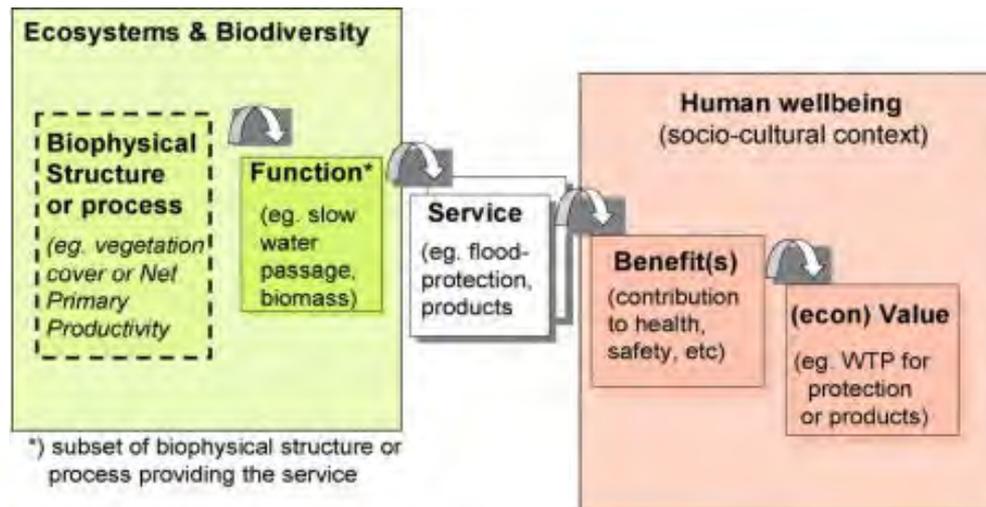
THE ECOSYSTEM SERVICES FRAMEWORK

“ES are the benefits that humans derive from nature such as food, water, flood protection, air quality regulation, recreational opportunities”

(MEA 2005, TEEB 2010)

Ecosystem services cascade:

Linking ecosystems and biodiversity to human well-being (TEEB 2010)



EARLY STAKEHOLDER INVOLVEMENT

- Culture of dialogue
- Broad understanding between ALL stakeholders
- Early in process
- Effective communication



UPDATE ENVIRONMENTAL ASPECTS OF DREDGING



MANAGEMENT EMISSIONS



EDUCATIONAL LEVEL WORKFORCE

