

Economic concepts for socio-economic vitality and biodiversity

Daily business and a promising concept

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Imagine the result



Introduction

Eric Schellekens

**Programme manager climate change,
innovation and spatial development**





TEEB for business and climate

Engineering and environmental impact studies

Tidal economy as an innovative concept



Engineering and environmental impact studies

Daily business opportunities

Implementing ecosystem services and system services





Tidal economy; innovative concept for Delta Development



- Climate change
- Different engineering approach
- Demographic changes
- Employment, crisis, globalisation



Challenges

- Safety and safety resilience
- Sustainable fresh water supply
- Agricultural sustainability and resilience



Towards new concepts

Characteristics and key factors in system or ecosystem

Characteristics and key factors influenced by or important to deal with climate change

Characteristics and key factors as sustainable fundament for economic development

Imagine the result



Characteristics and key factors in delta's

Sea factors

- Saline circumstances
- Sea Dynamics; the tide

River factors

- Fresh water circumstances
- River Dynamics

Imagine the result



Tidal economy: Towards a tidal way of life

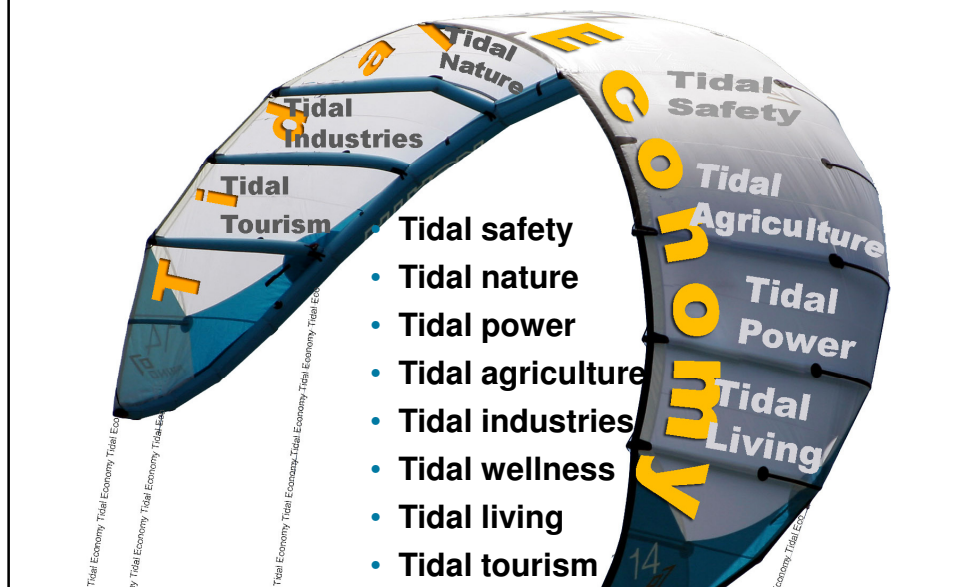
Why using the tide

Inspirational concept

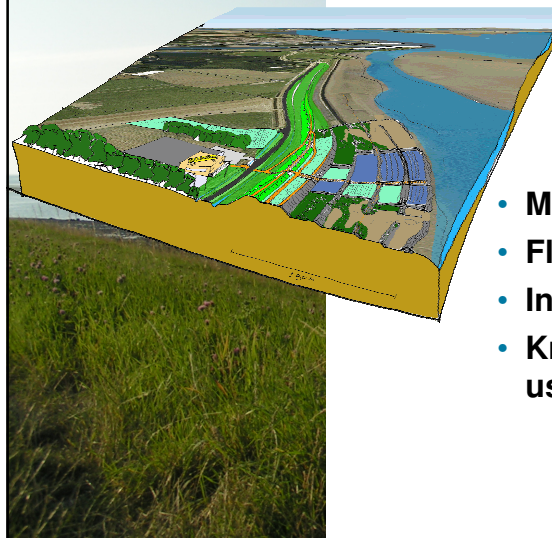
Imagine the result



Concept to concrete project



Tidal terrace levee



- Multiple uses of space
- Flexibility and adaptability
- Insights TEEB implemented
- Knowledge eco-engineering used

Building blocks

Tidal terrace levee



Nature

Agriculture

**Recreation, wellness and
other economic activities**



Building blocks

Nature





Building blocks

Agriculture



Building blocks


Recreation, wellness
and other economic
activities




Tidal terrace levee pilot project in Yerseke?



Costs and benefits



Investment requested	4 mill. euros
Additional expenses	0,6 mill. euros
Private investment	0,6 mill. Euros
Expected annual yield	0,5 mill. euros



Legal and social feasibility

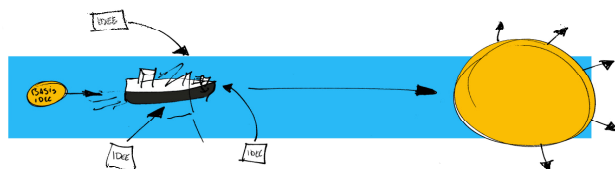


Tidal Economy: a global solution to local problems

Product Tidal Economy

Cross License Pool Tidal Economy

IDEEN POOL



 **ARCADIS**

