

**Het project => belang valorisatie**

**GUIDANCE COMMITTEE CREST**

15 January 2016, Oostende

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Vrije  
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waterbouwkundig  
LABORATORIUM



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steun van



# CREST – INNOVATION & VALORISATION

*Overall goal:*

*Estimate/reduce uncertainties in design coastal protection*

Research roadmap:

- A1. Multi-scale wave-current-sediment modelling
- A2. Advance in modelling overtopping
- A3. Improve knowledge of coastal processes

# CREST – INNOVATION & VALORISATION

*Overall goal:*

*Estimate/reduce uncertainties in design coastal protection*

Research roadmap supported by:

SA1. Inventory data, models and monitoring

SA2. Improve climate scenarios

SA3. DISSEMINATION AND VALORISATION => STAKEHOLDERS

# CREST – INNOVATION & VALORISATION

## *Concrete goals and criteria*

### **Increase knowledge coastal processes nearshore and landward:**

- Innovative open source models for physical coastal processes => practical user guidelines
- Innovative open source models and calculation procedures for wave impact on structures => practical user guidelines + impact on structures, buildings and people;
- Innovative open source models for wind impact on beaches and dunes => practical user guidelines + coastal management indicators

# CREST – INNOVATION & VALORISATION

## *Concrete goals and criteria*

### **Validation:**

- Validation in lab and in situ => lab experiments & pilot projects ;
- Data inventory, models and techniques => Validation grey data coastal dynamics
- Coastal safety: use of improved models for storms

# CREST – INNOVATION & VALORISATION

## *Concrete goals and criteria*

### **Dissemination:**

- In-situ test-locations => increase public awareness
- Climate scenario's
- Meta-inventory data, models and techniques
- Website and dataportal dynamics Belgian coast => dissemination and valorisation

# CREST – INNOVATION & VALORISATION

## *Impact*

### Translation of the goals to:

- Info and user guidelines for improved models
- Advice towards coastal management (safety, emergency planning and spatial planning)
- Provide information for EIA and assessment ecosystem services in relation to coastal protection measures, navigation, ..
- Practical information (indicators) to increase public awareness
- Advice for legal and management aspects (European and regional frameworks and directives)

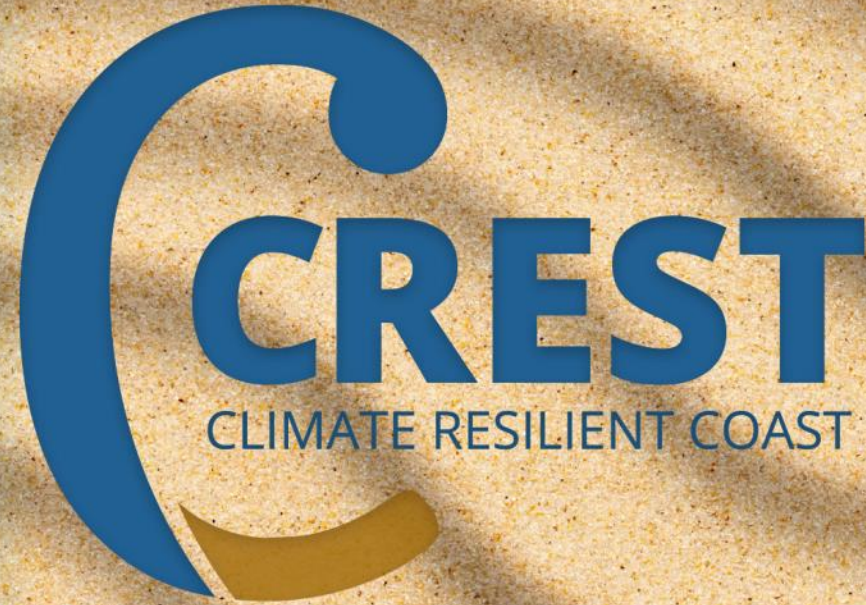
# CREST – INNOVATION & VALORISATION

## *How?*

### **Our approach:**

- Use of communication channels: website, news, flyers, ...
- Interactive participation of Guidance Committee (stakeholders)
- Technical workshops with international scientific advisory board
- Involve end users and public at large
- Modelling tools and guidelines for end users (governmental services, scientists and consultants, dredging companies, ...)
- Products for policy makers and for education (indicators, maps, ..)
- Scientific output





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