GCE Subsea Cluster
- SFI Integrated Monitoring Initiative
Ocean Outlook, Bergen, Norway - 20 April 2017
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GCE Subsea - Overview

- Deep-sea mining
- Marine food production
- Integrated monitoring
- Subsea Factory
- Offshore renewable energy
Prioritised Focus Areas – Cluster Feedback

Innen hvilke av følgende FOKUSOMRÅDER ønsker dere å delta aktivt?

- Competence and Infrastructure
- Ocean Innovation
- Technology
- Entrepreneurship and Business
- Market
- Work Processes and Supply
- Andre områder, vennligst

2016

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2017
SFI - Integrated Monitoring

"Integrated Monitoring": combining models, sensors and big data/advanced data analysis, data fusion (OG21)

Common challenges: Safe and cost efficient asset, resource and environmental management and operations

Common trends:

- Automation and digitalisation
- Smart sensors
- Link models and monitoring
- BigData and Internet of Things

GCE Subsea has a clear ambition to be awarded SFI status
SFI - Integrated Monitoring: Example of activities

// Integration model and monitoring

// Quality assurance

// Measurement technology
Integrated Monitoring: Feedback Workshop

What do you think is the most valuable application of Integrated Monitoring?

- Condition based maintenance: 60%
- Environmental monitoring: 30%
- Subsea processing optimisation: 10%
- Other: 0%

Which industry can gain most from Integrated Monitoring?

- Linking all ocean industries: 45%
- Subsea oil and gas: 25%
- O&G industries in general: 15%
- Other industries: 5%
The results from the workshop sessions 19 April will be posted as an Innovation Challenge by GCE Subsea.

Continue ongoing pre-project to narrow scope.

Clarify interface/collaboration with other SFI initiative.

Dialogue with potential partners.

More workshops.
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