



SINTEF

# Sustainability analysis

Humanister i Praksis:

- Alfred
- Clara
- Magnus



SINTEF

# Contents

- Our task
  - Methodology
  - Results for each node
  - Results for OceanLab as a whole
  - Conclusion
- 
- Feel free to ask questions during our presentation



SINTEF

## Our task

Two main questions:

*In relation to the UN Sustainable Development Goals and the UN Ocean Decade – what have OceanLab done well so far?*

*How can OceanLab improve in this context as they develop towards FjordLab?*



SINTEF

# Methodology

- The action happens down at the sub-target level
- SDG Cards – target tracing workshops with cards
- UN Ocean Decade Framework



SINTEF

# Results



SINTEF

# Node 1: Subsea Facility

Ikke relevant	132	Delvis relevant	Relevant
		2.1	4.B
		4.4	6.3
		4.5	8.2
		4.7	9.1
		4.C	9.5
		5.4	9.B
		5.B	11.4
		6.6	12.2
		7.1	13.3
		7.A	14.2
		7.B	14.A
		8.6	17.6
		9.2	
		9.A	
		12.8	
		12.A	
		13.1	
		14.1	
		14.3	
		14.4	
		14.5	
		15.8	
		17.7	
		17.8	
		17.16	

Figure 1.1: Results node 1 (raw data)

12 sustainable goals are directly relevant



Figure 1.2: SDG rose for node 1

# Node 2: National Test Area for Autonomous Vessels

Ikke relevant	126	Delvis relevant	Relevant
Delvis relevant	23	3.3	3.6
Relevant	20	4.5	3.9
		4.7	4.3
		4.B	4.4
		4.C	5.B
		5.5	7.3
		6.3	7.A
		6.4	8.2
		8.8	8.3
		8.10	8.9
		9.3	9.10
		9.A	9.2
		11.4	9.4
		11.B	9.5
		12.4	11.2
		12.6	11.3
		12.7	11.A
		12.8	12.2
		13.2	14.1
		13.3	14.3
		14.2	
		14.A	
		17.16	

Figure 2.1: Results node 2 (raw data)

12 sustainable goals are directly relevant.



Figure 2.2: SDG rose for node 2

# Node 3: Aquaculture

Ikke relevant	133	Delvis relevant	Relevant
Delvis relevant	17	1.1	2.1
Relevant	19	2.2	2.4
		2.3	2.C
		4.4	8.1
		4.7	8.2
		8.3	8.4
		8.8	9.1
		9.8	9.2
		11.6	9.4
		12.4	9.5
		12.8	11.4
		12.A	12.1
		14.3	12.2
		14.7	12.5
		17.6	12.6
		17.8	14.1
		17.16	14.2
			14.A
			17.7

Figure 3.1: Results node 3 (raw data)

19 sustainable goals are directly relevant.



Figure 3.2: SDG rose for node 3





SINTEF

# Node 4: Marine Observatory

Ikke relevant	136	Delvis relevant	Relevant
Delvis relevant	25	1.5	8.2
Relevant	8	2.4	9.5
		4.7	11.6
		5.1	12.8
		5.5	14.1
		6.3	14.2
		7.2	14.3
		7.A	14.A
		8.3	
		8.4	
		8.5	
		8.8	
		9.4	
		11.4	
		11.5	
		12.2	
		12.4	
		13.1	
		13.2	
		13.3	
		14.4	
		14.5	
		14.6	
		15.5	
		15.8	

Figure 4.1: Results node 4 (raw data)

8 sustainable goals are directly relevant.



Figure 4.2: SDG rose for node 4



SINTEF

# SDG rose comparison



Node 1



Node 2



Node 3



Node 4



SINTEF

# One target directly relevant for all nodes

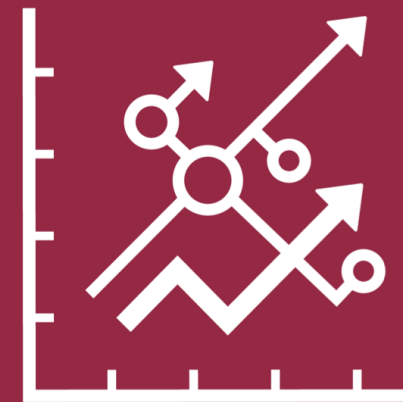
8.2)

Achieve higher levels of economic productivity through diversification, technological upgrading and innovation, including through a focus on high-value added and labour-intensive sectors

Øke den økonomiske produktiviteten gjennom diversifisering, teknologisk fremgang og innovasjon, blant annet med vekt på lønnsomme og arbeidsintensive sektorer

**TARGET 8·2**

**8** DECENT WORK AND ECONOMIC GROWTH



**DIVERSIFY, INNOVATE AND UPGRADE  
FOR ECONOMIC PRODUCTIVITY**



SINTEF

# Directly or indirectly relevant for all nodes

TARGET 4-7

4 QUALITY EDUCATION



EDUCATION FOR SUSTAINABLE DEVELOPMENT AND GLOBAL CITIZENSHIP

TARGET 12-2

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



SUSTAINABLE MANAGEMENT AND USE OF NATURAL RESOURCES

TARGET 14-2

14 LIFE BELOW WATER



PROTECT AND RESTORE ECOSYSTEMS

TARGET 8-2

8 DECENT WORK AND ECONOMIC GROWTH



DIVERSIFY, INNOVATE AND UPGRADE FOR ECONOMIC PRODUCTIVITY

TARGET 12-8

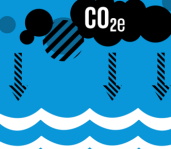
12 RESPONSIBLE CONSUMPTION AND PRODUCTION



PROMOTE UNIVERSAL UNDERSTANDING OF SUSTAINABLE LIFESTYLES

TARGET 14-3

14 LIFE BELOW WATER



REDUCE OCEAN ACIDIFICATION

TARGET 11-4

11 SUSTAINABLE CITIES AND COMMUNITIES



PROTECT THE WORLD'S CULTURAL AND NATURAL HERITAGE

TARGET 14-1


14 LIFE BELOW WATER



REDUCE MARINE POLLUTION

TARGET 14-A

14 LIFE BELOW WATER



INCREASE SCIENTIFIC KNOWLEDGE, RESEARCH AND TECHNOLOGY FOR OCEAN HEALTH





SINTEF

# Which goals are not so relevant?





SINTEF

# OceanLab – combined results

A total of 76 out of the 169 targets are relevant to OceanLab, either directly or indirectly.



Figure 5.2: SDG rose for OceanLab



SINTEF

# Conclusions

Our task was two main questions:

*In relation to the UN Sustainable Development Goals and the UN Ocean Decade – what have OceanLab done well so far?*

*How can OceanLab improve in this context as they develop towards FjordLab?*





SINTEF

## What have OceanLab done well so far?

- Awareness about the need for sustainability
- Target relevance tracing – a wide range of relevance
- Presence in the national committees for the UN Ocean Decade



SINTEF

# How can OceanLab do better going forward?

- Work with the discovered relevant targets:
  - implement these in the OceanLab project
  - develop indicators to track the progress
- Work actively with sub-targets and keep momentum
- This analysis has been done at a node level, keep in mind the administrative view
- Translate Ocean Decade framework to specific targets



SINTEF

Thank you





SINTEF

Technology for a  
better society