

**HORIZON SCAN:** 

Ocean technologies for a better world

GREEN INNOVATION GROUP A/S

## THE VELUX FOUNDATIONS

VILLUM FONDEN > VELUX FONDEN









## HORIZON SCAN







)1

**Maritime Harvest** 

Every innovation that sustainably makes use of novel species, methods, and derivative products like bycatch and driftwood and -weeds in order to create new value in and from marine bio-economies.

Keywords: algae and seaweed farming; fishing & bycatch; driftwood; other marine resources



02

Maritime Production

Every innovation that sustainably utilizes the ocean space itself as a platform for production, eco-tour-ism, research etc.

Keywords: renewable energy; mariculture; offshore and floating infrastructure; eco-tourism; deep sea mining

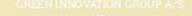


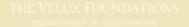
03

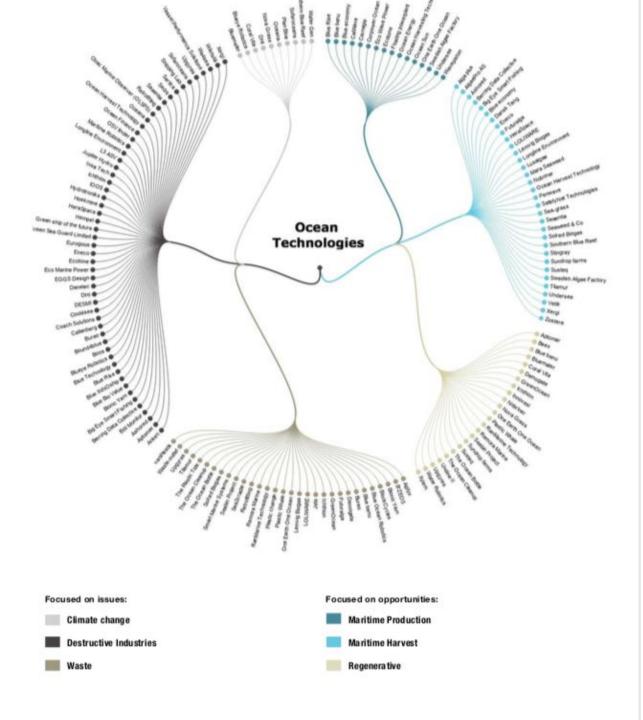
Regenerative

While innovations that directly accelerates the restoration of damaged or vulnerable marine environments are few and far between and in very early stages, less than 14% of our cases have an indirect impact on marine regeneration. Either through conservation and protection, improved monitoring, and/or expanding the reach of benevolent actors in the bio-economies.

Keywords: biodiversity; restoration of ecosystem; fishstock sustainability; water purification; recycling, upcycling; monitoring

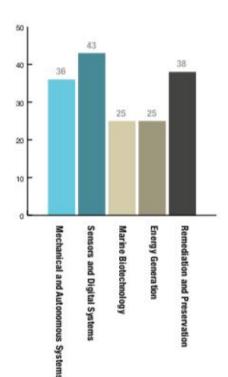


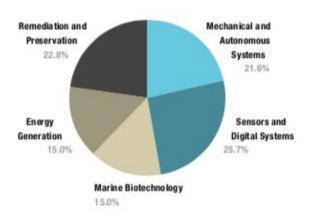




In MAP: TECHNOLOGY TYPE, the innovation cases have been sorted by the technology types they employ. Again the interdisciplinarity and flexibility of many startups becomes evident. Some startups branch across several technologies to achieve their goals. Others present inno-

vation that are or can become highly synergistic with other technology types. To represent these patterns and facilitate a qualified prediction of the next steps of ocean technology innovation, the following five overarching technological categories have been distinguished:









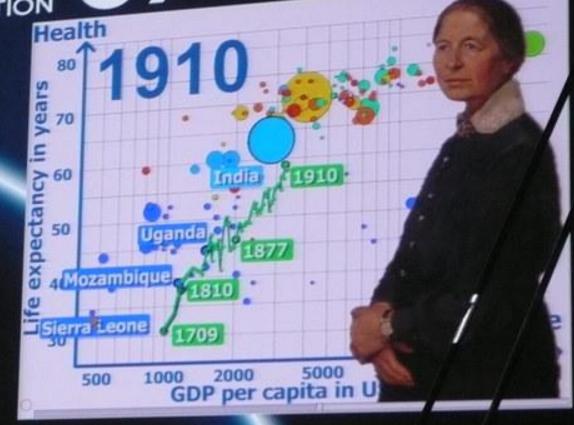






Le Web 3'07
FOURTH EDITION





In Web 3607 In Web 360 EOI IDTH EDITION

FOURTH EDITION

FOURTH FOITION

Le Web 3607 Le Web 3607





