



ColorLine

Capital Link Maritime Forum

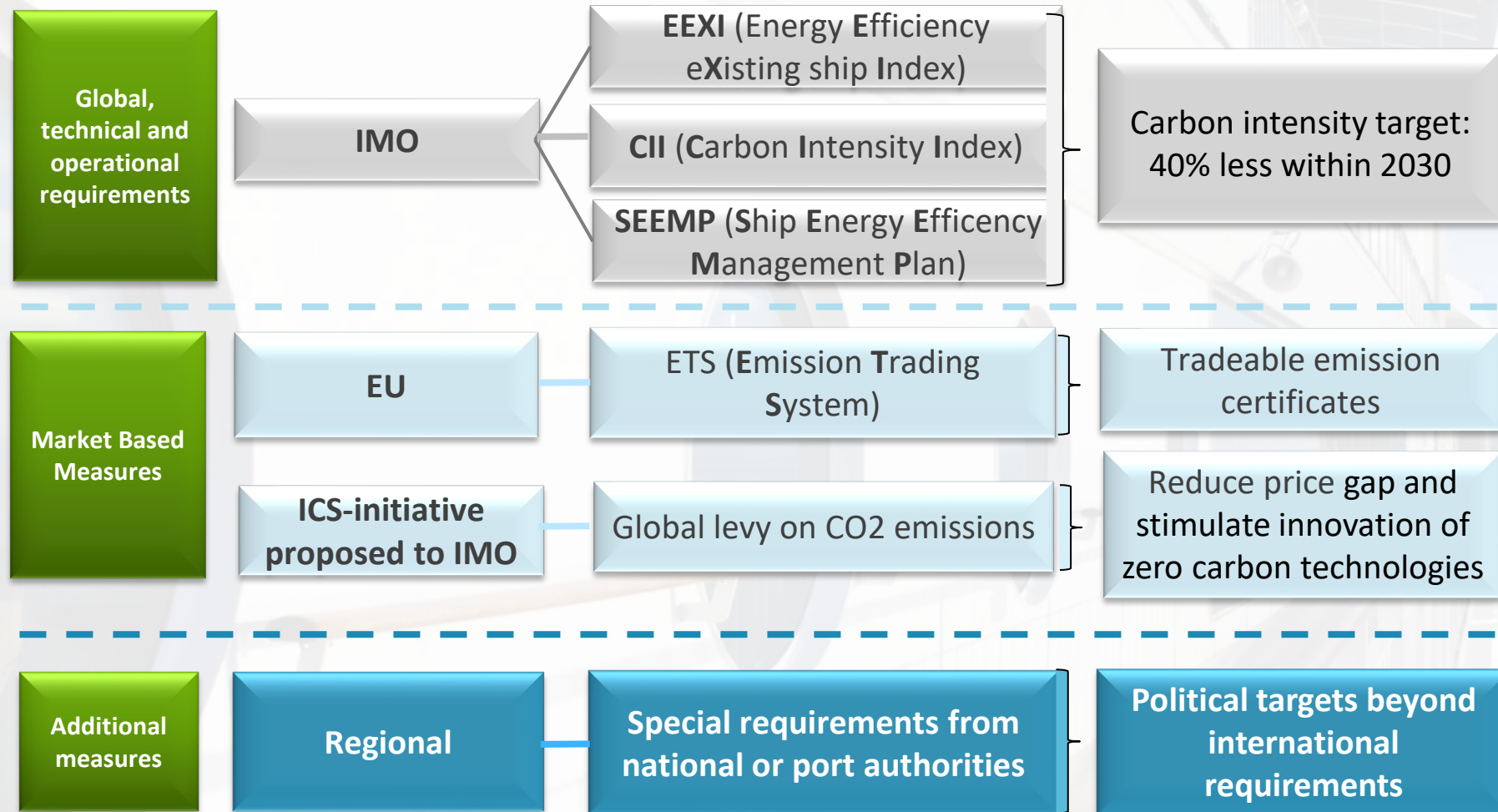
May 26, 2021

Trond Kleivdal

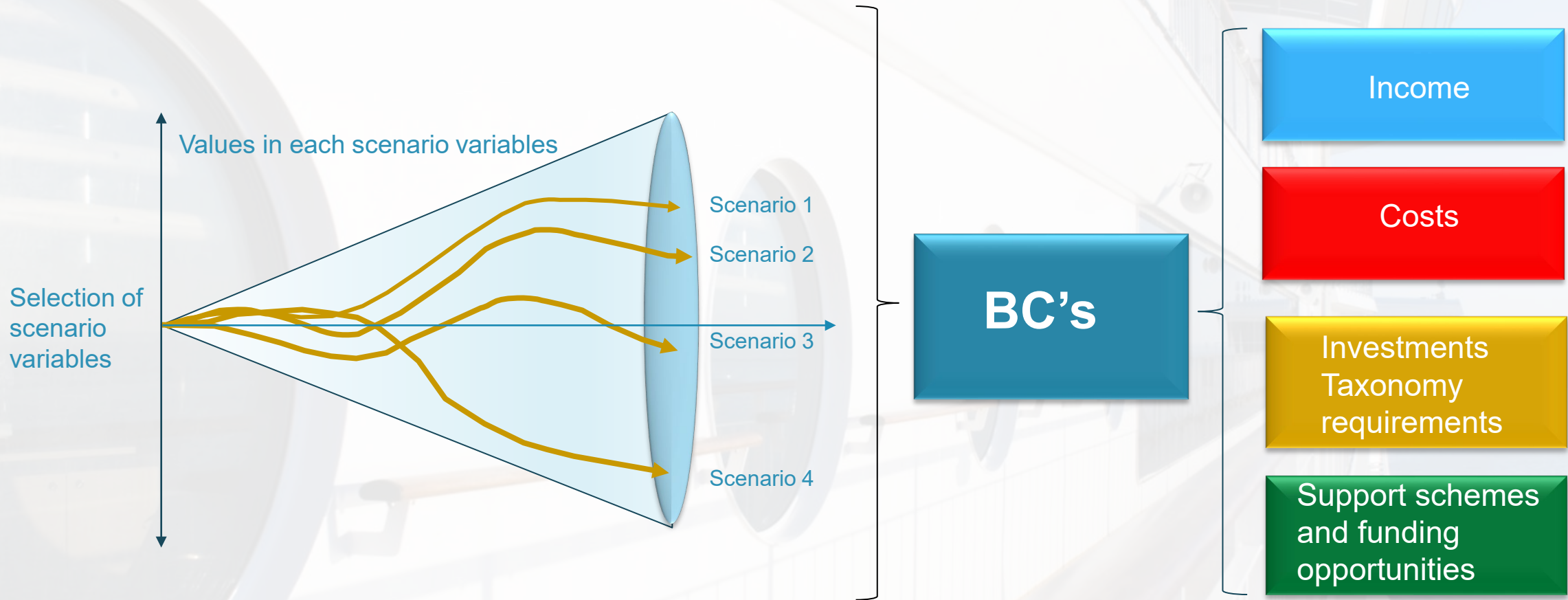
President and CEO

Expected environment and climate-requirements towards 2030:

A mix of hybrid solutions available for short-sea shipping



Pilots and prioritization of initiatives: A scenario-approach



Color Hybrid – forefront of environmental technology

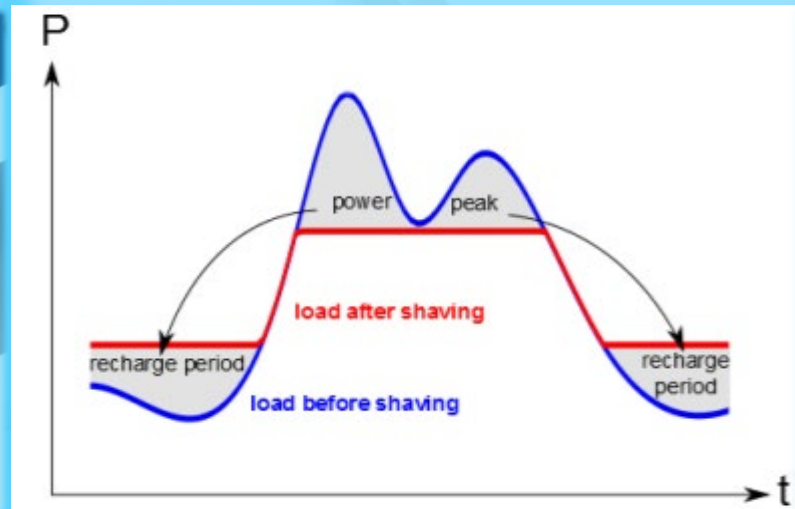
Multiple initiatives to reduce environmental impact



Shore-power connectivity for charging of batteries and to eliminate emissions when in port



Battery usage also for peak shaving and spinning reserve

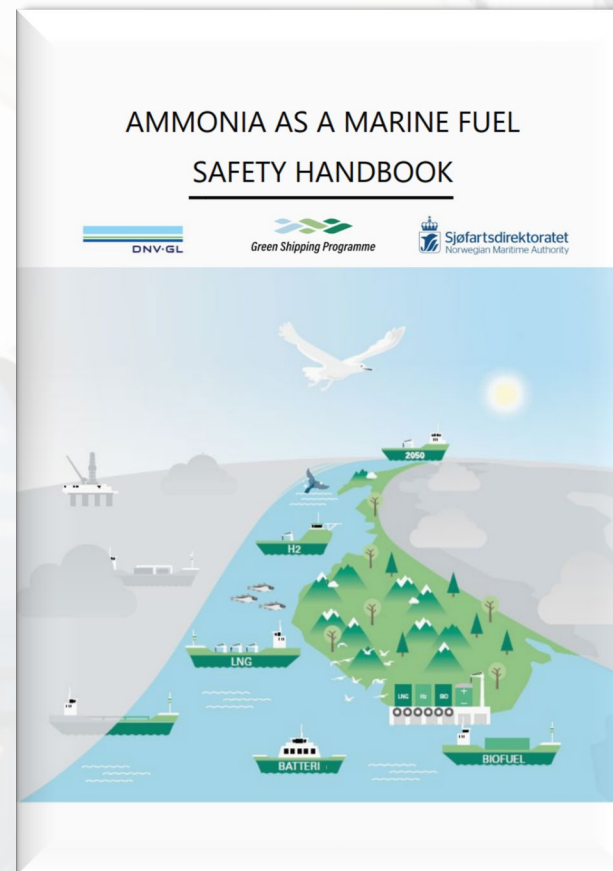
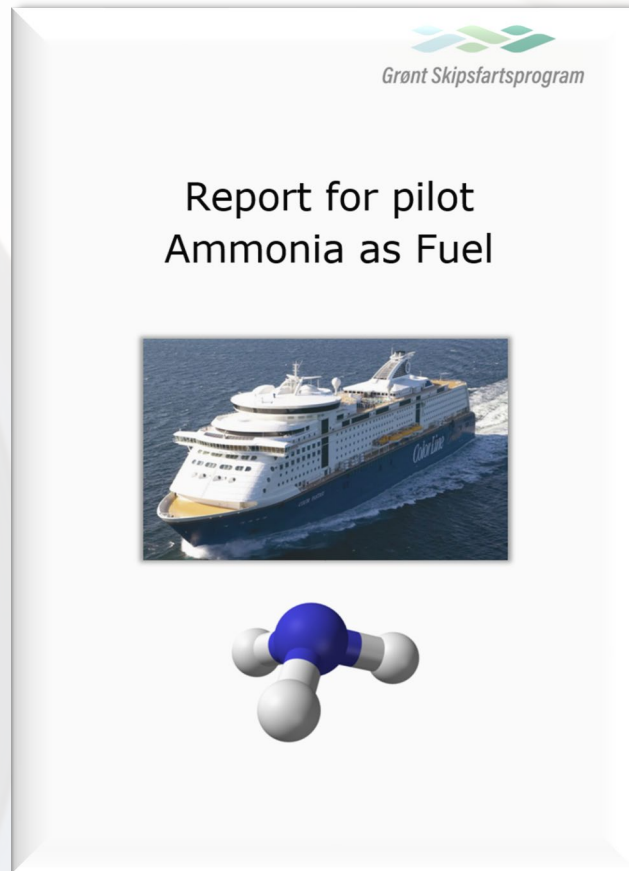


Fully fledged waste heat recovery and storage system



Ammonia as marine fuel

One of the most promising green fuels with high energy density



ABB

ISN

Universitetet
i Sørøst-Norge



altera



WÄRTSILÄ

equinor



OSHIMA

WESTCON

TORGHATTEN

SINTEF

MILJØ-
DIREKTORATET

TOTAL

hub for ocean

dsb

Carnival

Sjøfartsdirektoratet
Norwegian Maritime Authority

DNV

DAPHNE
TECHNOLOGY

YARA

Wilhelmsen


Color Line