

GREEN MINERALS

Enabling the green shift

Forward-looking statements

Green Minerals

• All statements contained in this presentation that are not statements of historical facts, including statements on projected operating results, financial position, business strategy and other plans and objectives for future results, constitute forward-looking statements and are prediction of, or indicate, future events and future trends which do not relate to historical matters. No person should rely on these forward-looking statements because they involve known and unknown risks, uncertainties and other factors which are, in many cases, beyond the company's control and may cause its actual results, performance or achievements to differ materially from anticipated future results, performance or achievements expressed or implied by the forward-looking statements and from past results, performance or achievements. These forward-looking statements are made as of the date of this presentation and are not intended to give any assurance as to future results. None of the company, its employees and representatives assumes any obligation to update these statements.

AGENDA

Q1 2021 UPDATE

FINANCIAL

COMPANY PRESENTATION

THEME: SMS FORMATION

Ståle Rodahl Executive Chairman

Maxime Lesage Chief Engineer Erik Von Krogh CFO

GREEN MINERALS

Q1 2021 UPDATE - PROGRESSING ON PLAN

Green Minerals

Major milestones

- Key hires in engineering and geoscience
- LOI with consortium led by Oil States Industries (UK) Ltd for a FEED study on a turnkey HEDSMS for a long term contract against exclusive use in Norwegian waters
- Listing on Euronext Growth Oslo

Subsequent events

- Government development grant received from Forskningsrådet (Skattefunn)
- Agreement involving the Project ULTRA signed with National Oceanography Centre and University of Southamption
 - cooperation with internationally leading scientists, co-supervising 2 PhD programs
 - 2 research cruises, of which the first already in 2021
 - Important project to help design both exploration and production strategy

Upgrading Aspirational Targets

- Full scale revenue target from Cu only moved from >\$400M pa to >\$550M pa on higher copper prices
- Pilot production target 2026 introduced in March



Q1 FINANCIALS

Green Mineral AS Preliminary figures

Profit & Loss (NOK)		Q1 202	20	2020
Revenues		-		-
R&D	-	322 712		-
SG&A	-	1 329 228	-	600 582
Operating profit	-	1 651 940	-	600 582
Net financials		847	-	255
Profit/loss	-	1 651 093	-	600 837

Assets		
Other current assets	-	-
Bank	27 770 573	29 048 450
Total assets	27 770 573	29 048 450
Equity	26 420 183	28 970 040
Short term liabilities	1 350 390	78 410
Total equity and liabilities	27 770 573	29 048 450



Our mission



Deliver minerals for the Green Shift in a responsible and sustainable manner

Creating an industry bellwether

Flexible partneri

Flexible and asset-light partnering strategy

- Asset-light partnering approach creating superior shareholder return
 - The Green Minerals approach: moving CAPEX to OPEX
- Hiring top talent with marine minerals specialization to innovate with partners on existing technologies – leveraging our organization
 - Study e.g: Engineer leverage ratio 10:1

3

Well-defined roadmap and string of newsflow

- Near term updates:
 - Partner/cooperation agreements; LOI with Oil States Industries (UK) Ltd signed on March 23rd
 - Additional key hires, targeting 4 PhD's giving impetus to our industry leading position
 - Cooperation with academia; agreement involving the Project ULTRA signed on April 14th
 - Funding programs; 1st grant from the Norwegian Govt`s Forskningsrådet signed on April 13th

1 Wor

World's only listed pure-play marine minerals company

- First capital raise in November 2020
- Listing on Euronext Growth Oslo on 23 March 2021
 - 5000 shareholders
 - Market cap estimated around NOK 350,000,000
 - First mover: only DSM globally with a Stock Exchange listing as of March 2021
- Parent company to remain a large shareholder
 - Significant initial-phase synergies in exploration campaign, geophysics, finance and administration



Our vision: Creating the marine minerals value chain



Massive global demand for new metals sources

Commentary

- Massive need for new source of metals as the world electrifies and digital technology becomes available to more consumers
- Demand of base metals for production of EV batteries could increase 11x by 2050 (World Bank)
- \$240bn CAPEX investment needed for the next 5 years only in base metals and gold (Wood Mackenzie)
- Will take decades to build the primary stock of metals that will make recycling of EV metals possible and being able to fulfil all the demand

>\$1trn in key metals capex needed by 2035

Cumulative capex: current commitments and AET-2 scenario requirements, USDbn



USD 1.7 trillion in capex needed to meet expected 2035 demand

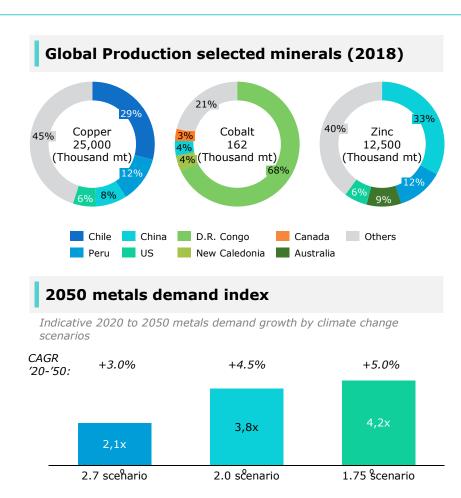
Source: Wood Mackenzie, World Bank



However, supply is limited

Commentary

- Several environmental and social challenges with traditional metal production
 - 70 % of the world's cobalt is mined in the D.R. of Congo, significant amounts from unregulated artisanal mines and child labor
 - Metal production generates 350bn tons of waste and accounts for 11% of global energy use
 - Land ore grade declines, becomes less accessible and contains toxic levels of heavy elements
- Producing metals for the green transition this way is not sustainable as it simply shifts the burden from fossil fuels to metals
- In May 2018, the US Department of the Interior published list of 35 minerals considered critical to the US economy and national security, where supply might become limited in near future
- The Blue Mining initiative by the EU sees risk of increasing supply shortage of metals critical to EU's high tech sector and is thus supporting search for alternative resources



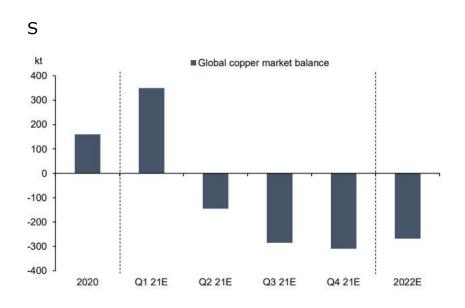
Source: Amnesty International, Rystad Energy, World Bank

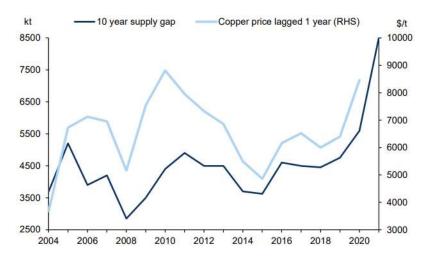


EMERGING COPPER SUPPLY GAP

Global copper market balance

Copper supply gap vs price





Source: Goldman Sachs Investment Research



Traditional mining vs deep sea mining

		Onshore mining	Deep sea mining	Change
Impact of minerals to 1bn electric cars	C0 ₂ equivalent emissions (Gt.)	1.5	0.4	-70%
	Ore use (Gt.)	25	6	-75%
	Deforestation (Sqm)	66,000	5,200	-92%
	Solid waste (Gt.)	64	0	-100%
	Freshwater ecotoxicity (1.4 DCB equivalent Gt)	21	0.1	-99%
	Megafauna wildlife at risk (trillion organisms)	47	3	-93%
		1		

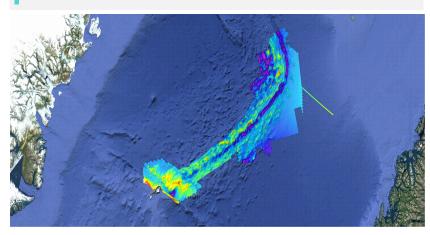
Source: Paulikas et al. 2020

NCS – the most attractive area in the world to kickstart the industry from

Commentary

- Mineral exploration on the Norwegian continental shelf ("NCS") is attractive for several reasons:
 - Size and richness of reserves
 - One nation state, one regulatory authority
 - 60 years of succesful O&G regulation
- Norway has the second largest EEZ in the world, and with the Mohns & Knipovich Ridges (1030 km) located on NCS
- SMS (Seafloor Massive Sulfides) and Crusts found in several locations in the Norwegian Sea

The Mohns & Kniprovich ridges



Mean Resource estimate for key Metals¹ in SMS deposits in Mohns & Knipovich ridges



6.9M tons copper



7.1M tons zinc



tons gold



10.5K tons silver

Estimated value of 77 billion USD (700+ Billion NOK)2

Findings from SMS samples

- **Copper:** up to 14 % (vs ~0.6 % for onshore mining)
- **Zinc:** up to 10 %
- **Cobalt:** up to 1 % (vs ~0.2 % for onshore mining)

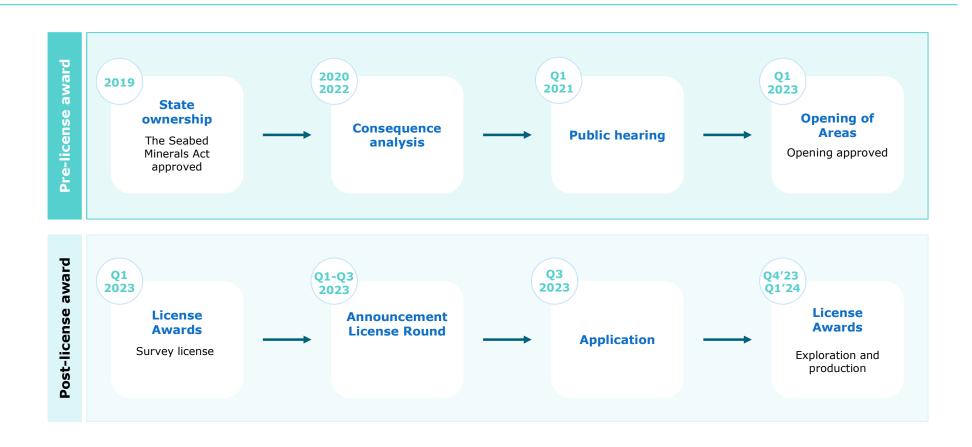
Findings from crust samples

- Lithium: 20-80x Pacific Ocean
- Scandium: 4-7x Pacific Ocean
- **REE:** Up to 2x Pacfic Ocean

Notes: 1) Other metals and REEs not included in estimate; 2) 2019 metal prices used by Ellefmo et al and 9,25 nok/usd, GREEN MINERALS Quantifying the Unknown



Key events towards exploration and production license awards in 2023



Our team





 30 years in the financial industry

Chairman

- 10+ years in senior executive positions in banks in New York, London and Oslo – Alfred Berg, ABN Amro and ABG
- Founder and 4+ years as CIO of a global long/short equity hedge fund
- Chairman of Seabird
- MSc from Norwegian School of Business



Maxime Lesage Chief Engineer

- 10+ years
 experience from oil
 and gas marine
 and subsea
 operations
- PhD in Geoscience and Petroleum from NTNU Trondheim
- PhD thesis on deep-sea mining system on the NCS
- Design of full-cycle analysis frameworks for decision-making support



Monstad
Chief Geoscientist & Head of Exploration

• 25+ years
m oil experience from exploration and geological management

Ståle

- Chief Geologist and Director subsurface in DNO for 10+ years
- Chief Geologist Aker BP and SVP Exploration Aker Energy



Senior Advisor
Geoscience

- 10+ years experience from oil and gas exploration and license management
- MSc Geology from University of Bergen
- Former NPD Geologist
- Expertise in License acquisition and management



Erik von Krogh CFO

- 15 years
 experience from
 the shipping and
 offshore industry
 and ship financing
- 7 years experience from investmentand corporate banking
- Cand.merc/MSc from Norwegian School of Economics



Gunnar Jansen CEO

- 20 years in shipping, offshore, and seismic industry
- 7 years in executive commercial and operational positions
- Board member
 Green Minerals AS
- Lawyer from the University of Bergen

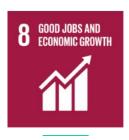


Supporting global sustainability





Providing minerals for the green transition



Fighting child labor while creating sustainable jobs and economic growth



Creating sustainable Rare Earth Elements (REE) and base metals to used in new form of transportation



Reducing waste generation and enabling companies' green transition



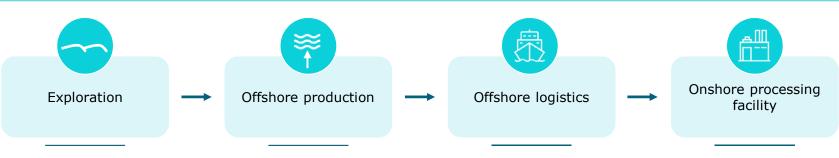
Enabling CO2 reduction being key elements in new technology



Reducing deforestation



Overview of the value chain



Regional exploration:

• Bathymetry (large-scale) – e.g. satellite derived

Local exploration:

- Bathymetry (small-scale) synthetic aperture sonar, multi-beam echosounder
- Electromagnetics
- Seismic (high-resolution)
- Sediment and surface sampling

Deposit exploration:

- Drilling
- Logging while drilling (seismic or electromagnetics acquired during or after drilling)

Baseline survey (environmental survey)

- Excavation: Crawlers/trenchers
- Vertical transport
- Ore storage and offloading

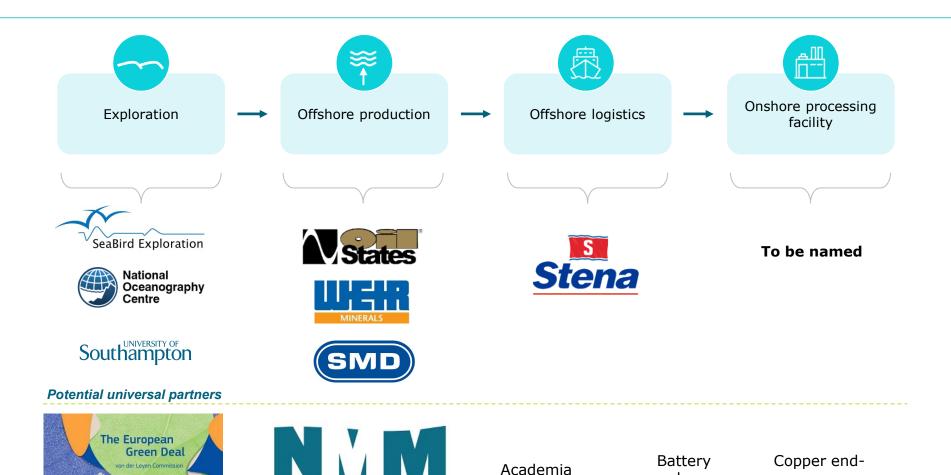
- Ore transport
- · Personnel transfer
- Offshore delivery of green fuels

- Comminution (using crushers)
- Separation (using floatation or leaching depending on the ore texture)
- Refining (processing the concentrate obtained in 2 by pyro or hydrometallurgical process)



producers

Partners and affiliations



MARINE MINERALER

users

GREEN MINERALS

Secured partnerships with Seabird Exploration and Oil State Industries

Partnership with Seabird Exploration



- 24 years of experience in offshore exploration through parent company
- geophysical, project, maritime competencies
- relevant vessel capacity
- significant initial-phase synergies in exploration
- finance
- administration

LOI signed with consortium led by Oil States







- SMD
- In March 2021, Green Minerals signed a LOI with a consortium led by Oil States Industry to collaborate on a FEED study for a turnkey Harsh Environment Deep Sea Mining System (HEDSMS) against a long-term contract for exclusive use within Norwegian jurisdiction
- The consortium:
- **Oil State**: responsible for the EPCI and operations of the production vessel and offshore logistics including a smart riser system which has already been delivered to a Japanese consortium for marine minerals in Japan.
- **Weir Minerals**: a recognized company for slurry systems and other minerals processing equipment will deliver the pumping system of the offshore production system
- Soil Machine Dynamics: a company specialized company for excavation equipment - SMD delivered the first commercial SMS crawlers to Nautilus Minerals.
- Stena Drilling: delivery and operation of the production vessel and the offshore logistics
 GREEN MINERALS

Our strategy

Short term Medium term Long term **Ultimately** Win exploration and production Expand our portfolio to Transform into a truly circular To be recognized as a pioneer licenses to capitalize on a NOK international licenses and economy business model by and leader of the Marine 700bn of resource potential on become a global marine recycling metals as the primary Minerals industry the Norwegian Continental Shelf minerals company stock of metals reaches plateau



Exploration

- Expect first Research cruise in 2021, incl ecosystem impact evaluation
- To be granted Survey license within 3 months after opening
- To be awarded 3 Production Licenses by early 2024
- Minimum one discovery of SMS with +5m tonnes of ore by YE 2024/25
- +5% average grade Cu (+ others Zn, Au, Ag, trace elements)



Development/Production

- First system ready to operate in 2026 (pilot):
- Full scale production in 2028:
 - 5-8000 tonnes/day ore to surface
 - 200+ day/year operations
 - 1,5MT ore/year
- Processing performed in Norway/Scandinavia
- Immense focus on subsea ecosystem and biodiversity



Finished product/processing

- Annual gross value of ore from start production of (based on current metal prices and "ore to metal factor"):
- \$550M for Copper only (+ additional value for other metals) or
- \$75-100m est in other metals (Nickel, REE, Lithium++)
- Introducing >\$800M with 0.25% Co



Aspirational targets (II)

Commentary

- One Green Minerals full scale production system:
 - Flow rate: min 5-8000 tonnes/day
 - Utilisation: min 200+ days/year
 - Annual ore production: min 1,5mt
- Gross revenues: >\$550M/yr on copper only
- Gross revenues >\$800M/yr if adding 0.25% cobolt
 - Revenue/tonne ore: 10-20x higher than similar onshore
 - Valuation onshore 2021e (EV/S): Boliden 1,5, Rio Tinto 2,6
- Environmental footprint:
- 90% lower than similar onshore

Key metrics - 30MT deposit example

Metric	Unit	
Mineral resources	Million tons	30
Enrichment (CuEq)	%	5.3
Sum revenue	USDm	7,360
Sum Expex	USDm	40
Sum Capex	USDm	780
Sum Opex	USDm	2,250
Sum Abex	USDm	100
Unit cost (CuEq)	USD/kg	2.0
Lifting cost (CuEq)	USD/kg	1.4
Pre-tax NPV0	USDm	4,260
Pre-tax NPV10	USDm	746
Pre-tax IRR	%	29

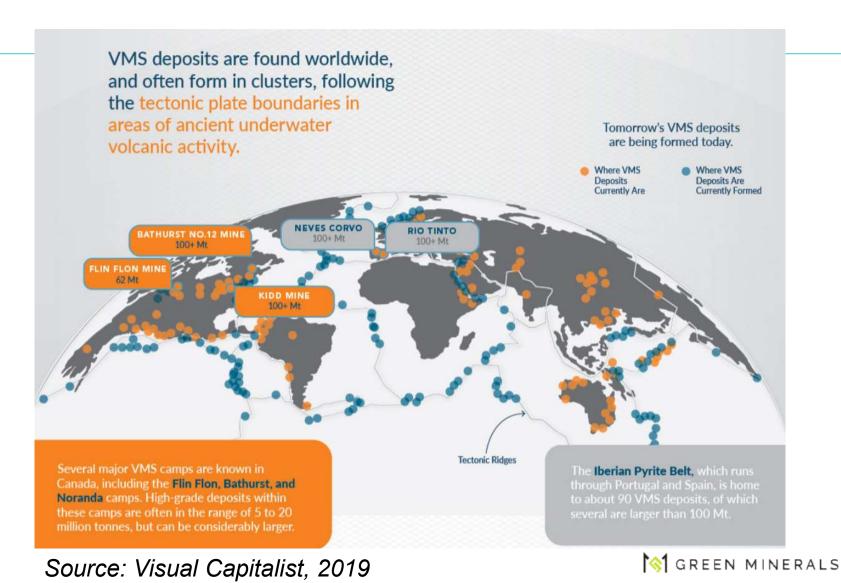
Source: Rystad



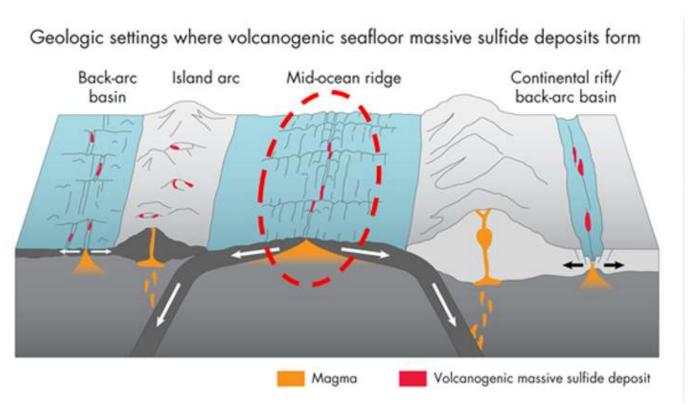
Theme: SMS Formation

- Volcanic Massive Sulphides (VMS) as a source of copper on land
 - VMS are born in the sea VMS in ophiolites e.g. Troodos
 - Some VMS are SMS which have been transported from Mid-Ocean Ridges (MOR)
 - 4 SMS forms on MOR: the hydrothermal process
- Understanding the SMS formation process supports exploration similar to O&G play models

VMS as a source of copper

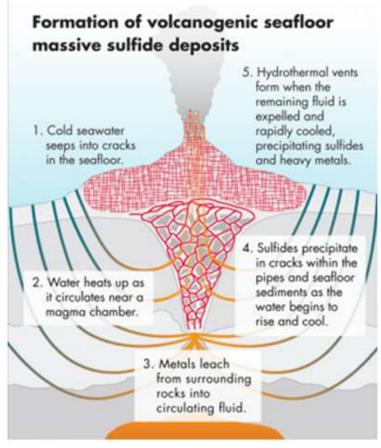


Origin of VMS deposits



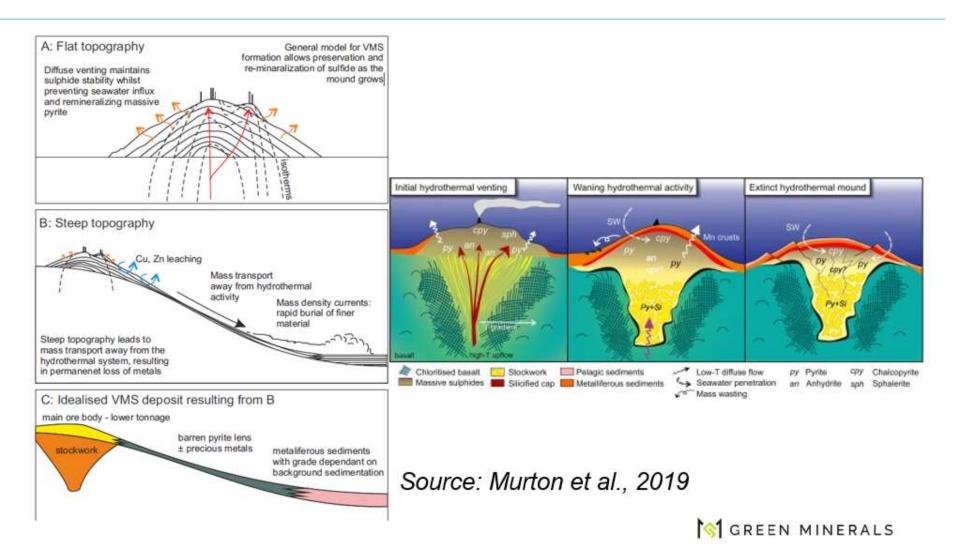
Source: Earth Magazine, 2014

Formation of SMS deposits i.e. young VMS

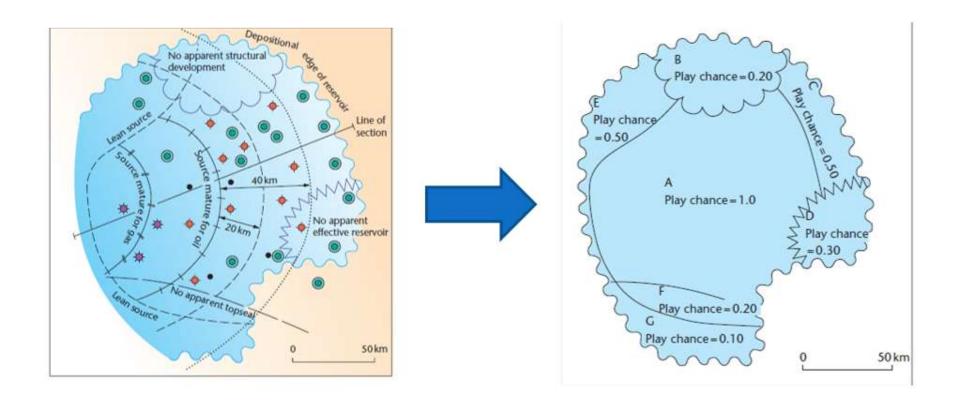


Source: Earth Magazine, 2014

Evolution of SMS deposits

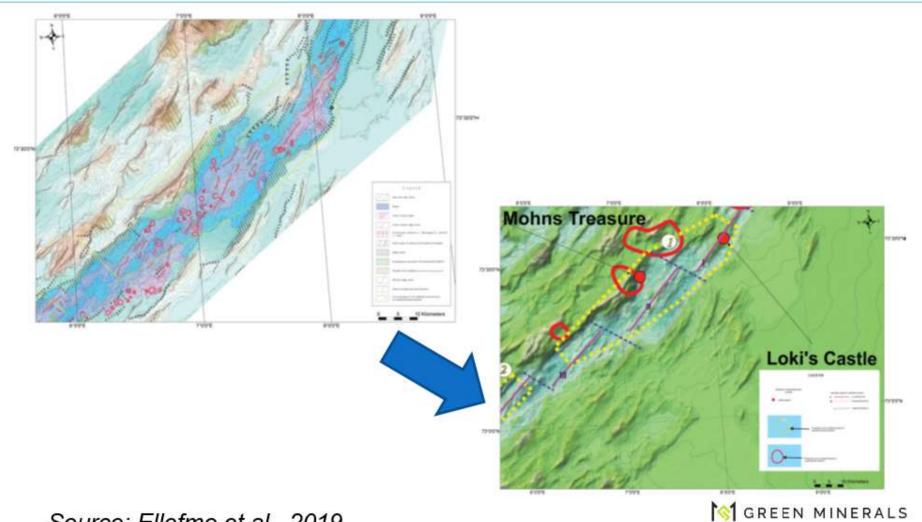


How to find them – and how to value them? Transfer of methodology from O&G



Source: Allen et Allen, 2013

How to find them – and how to value them? Transfer of methodology from O&G



Source: Ellefmo et al., 2019

Investment highlights

A pioneer in offshore mining and the leader in Marine Minerals on the Norwegian Continental Shelf

- Marine minerals needed for Green Shift
- >NOK 700bn opportunity on NCS
- GEM with capital-light partnership strategy across the entire value chain
- Well-defined roadmap and triggers towards first licenses in 2023 and pilot production in 2026
- Targeting solid project ROCE/IRR with inherent flexibility and highly attractive risk-reward





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Enabling the green shift