



# GREEN LOAN REPORT

Under the Green Financing  
Framework

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# Sustainability as one of strategic priorities

## How we enable sustainable and responsible growth:



### Engaging with stakeholders

- ▼ We advocate for meaningful dialogue with employees, communities, authorities, business partners and capital providers



### Setting clear goals and measuring performance

- ▼ We have corporate management systems in place to monitor and continuously improve sustainability performance



### Aligning our impacts with UN SDGs

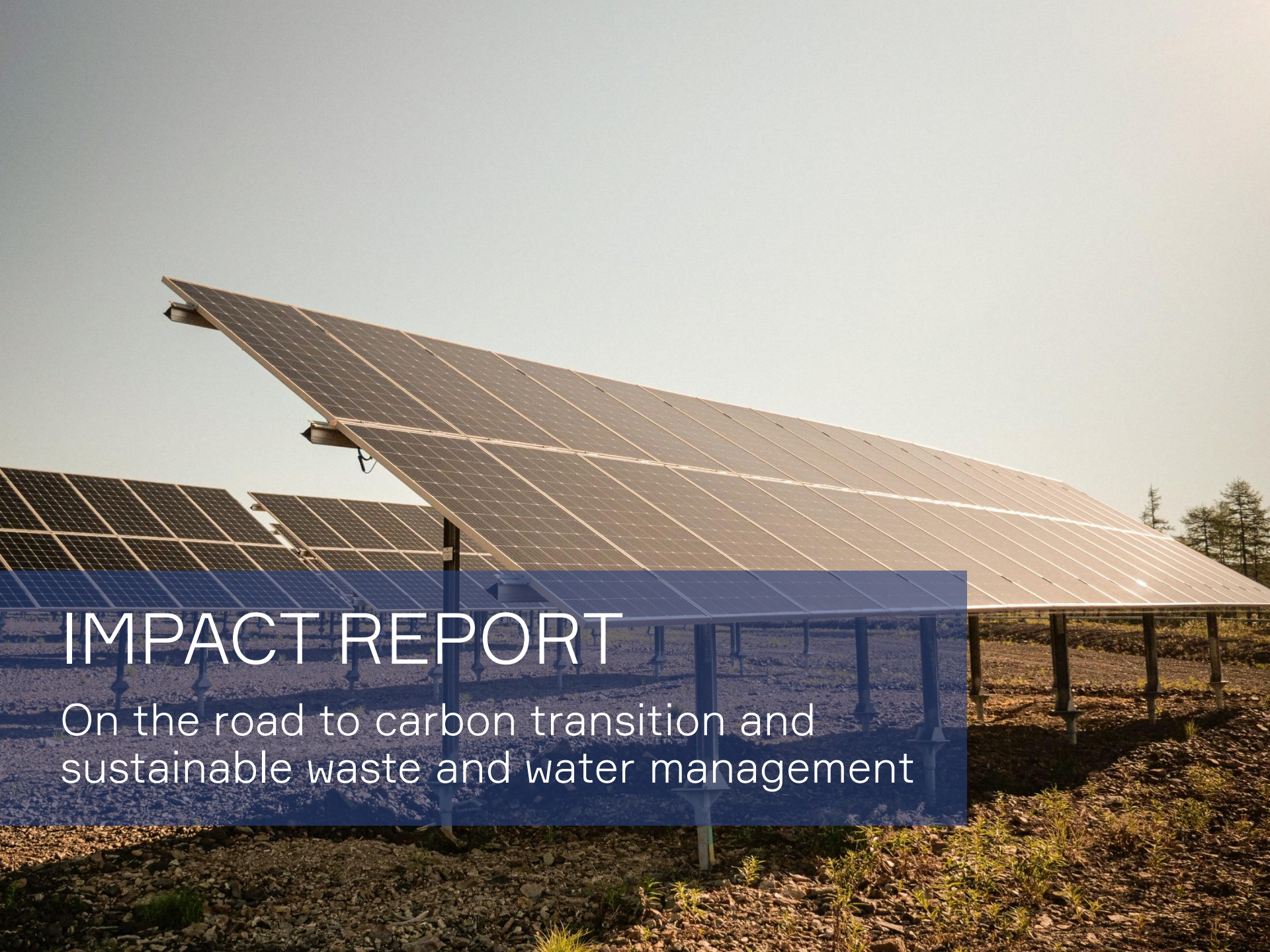
- ▼ We have mapped strategic impact areas to relevant SDGs and targets and analysed how we contribute



### Applying the highest standards of governance and risk management

- ▼ Our management remuneration is linked to ESG KPIs, and sustainability risks are embedded in corporate Risk Management System





# IMPACT REPORT

On the road to carbon transition and sustainable waste and water management



# Clean transportation

- Investments in low-carbon transport and renewable energy under the Green Financing Framework to support achievement of the 30% GHG intensity reduction by 2030 goal



**ELECTRIC EXCAVATORS  
AT KOMAR**



**UNDERGROUND  
ELECTRIC CONVEYOR  
SYSTEM AT MAYSKOYE**

Eligible Green Project	Mine site	Launch	Number of new vehicles	Indicators			
				Expected after full ramp-up	As of 31 Dec. 2022	Expected after full ramp-up	As of 31 Dec. 2022
				Reduction of energy consumption	Annual GHG emissions avoided (Scope 1), metric tons of CO <sub>2</sub> e		
Electric excavators replacing diesel-fueled fleet	Komar	2022	2	45%	45%	6,123	6,123
Electric underground LHDs and trucks	Mayskoye	2023	5	NA <sup>1</sup>	NA <sup>1</sup>	1,176 <sup>2</sup>	235
Electric Rail-Veyor	Varvara	2022	-	86%	93%	417	834
Underground electric conveyor system	Mayskoye	2023	-	12%	74%	5,371	2,685

Notes:

1) Purchased vehicles do not replace existing ones.

2) Compared with potential choice of diesel vehicles.

# Renewable energy

- ▶ We aim to achieve 7% of green electricity of total generated energy by 2025



WIND TURBINE  
AT UNCHI PORT



SOLAR POWER PLANT  
AT SVETLOYE

Eligible Green Project	Mine site	Launch	Indicators			
			Expected after full ramp-up	As of 31 Dec. 2022	Expected after full ramp-up	As of 31 Dec. 2022
			Share of renewable energy usage at the unit/operation		Annual GHG emissions avoided (Scope 1), metric tons of CO2e	
Solar power plant (2.5 MW)	Omolon	2021	3%	3%	1,638	1,670
Solar power plant (1.0 MW)	Svetloye	2018	7%	6%	771	595
Wind power plant Unchi (100 kW)	Svetloye	2018	41%	30%	74	53

# Sustainable waste management

## Dry stacking:

- Waste is physically and chemically stable – no risk of major accident/ dam failure and pollutant leaching and release, including seepage to groundwater
- Safer for wildlife – no dam means no risk for birds

## Backfilling technology:

- Increased ground stability and safety, prevents stope wall spalling
- Reduces the risk of collapses by filling the drift instead of building a new pond or heap

Eligible Green Project	Mine site	Launch	Indicators			
			Expected after full ramp-up	As of 31 Dec. 2022	Expected after full ramp-up	As of 31 Dec. 2022
			Waste volume reduction as compared to wet disposal		Fresh water savings, m3	
Dry storage facility	Omolon	2021	18%	18%	2,077	2,077
Dry storage facility	Nezhda	2021	18%	18%	3,903	3,903
Dry storage facility	Dukat	2024	28%	Project in process	9,095	Project in process
Dry storage facility	POX-2	2024	18%	Project in process	1,220	Project in process
Dry storage facility	Voro	2023	18%	Project in process	NA <sup>1</sup>	NA <sup>1</sup>
Backfilling project (waste reuse)	Mayskoye	2024	NA	Project in process	NA <sup>2</sup>	NA <sup>2</sup>

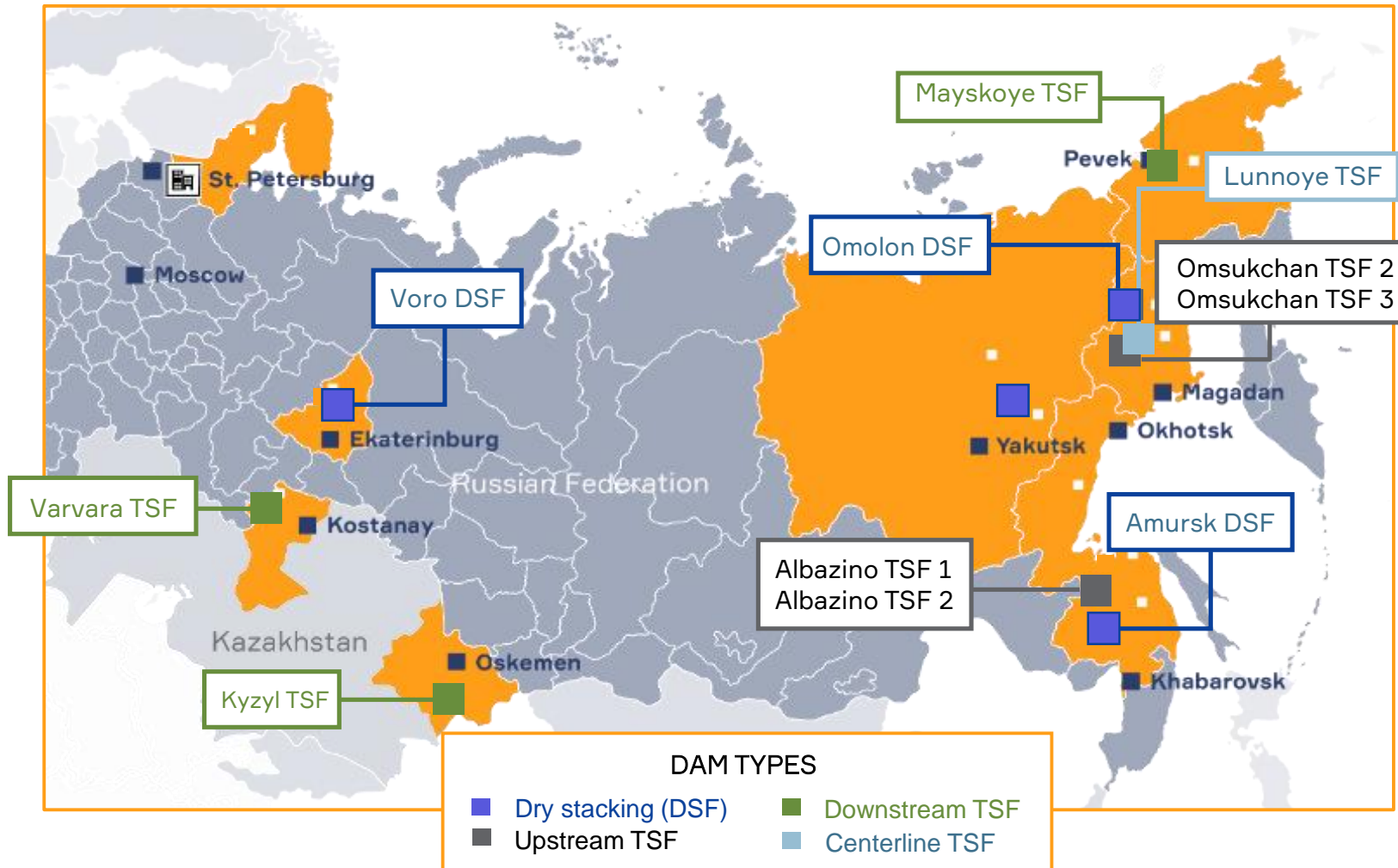
Notes:

1) Not applicable as operation doesn't use fresh water.

2) Not applicable as process is not aimed to reduce fresh water use.

# Location and type of operated TSF and DSF

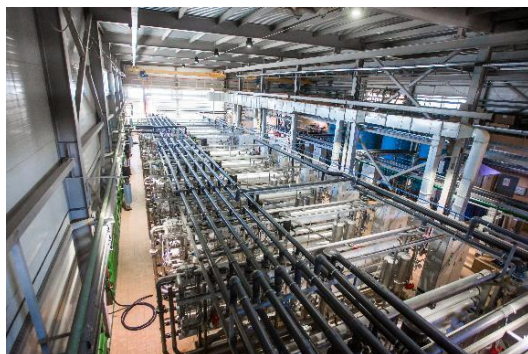
- Seismic conditions and permafrost in Russia and Kazakhstan are big advantage compared to Latam and Africa



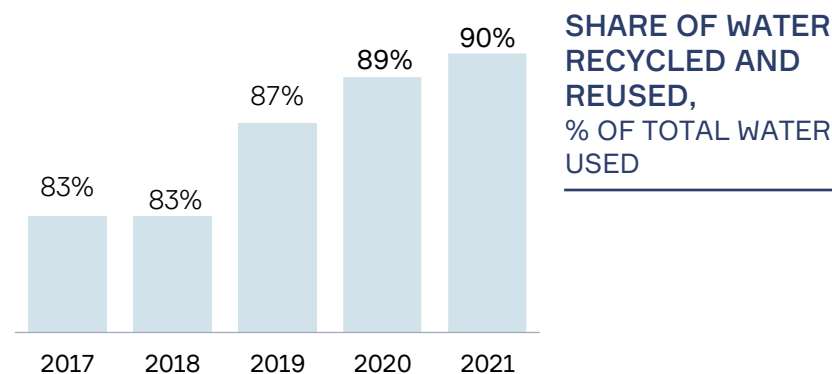


# Sustainable water management

- ▶ We rigorously ensure all discharge is purified using mechanical, physical-chemical and biological processes
- ▶ We continually monitor the quality of surface and ground water to ensure zero contamination



**REVERSE OSMOSIS  
AT AMURSK POX**



Eligible Green Project	Mine site	Launch	Indicators			
			Expected after full ramp-up	As of 31 Dec. 2022	As of 31 Dec. 2022	As of 31 Dec. 2022
			Decrease in discharge of water pollutants	Water percent recycled and reused <sup>1</sup>	Elimination of water pollutants discharge exceeding legally permitted concentrations	
Reverse osmosis to improve discharge water quality	Voro	2020	87%	87%	99%	100%
Settling ponds upgrade	Albazino	2022	91%	88%	88%	100%
Water treatment facilities renovation	Dukat	2021	18%	20%	96%	100%

Notes:

1) Eligible projects do not have significant impact on that indicator, indicator shows overall share of water reused and recycled within the operating hub.



# ALLOCATION REPORT

# Allocation report

- ▶ This report relates to the Societe Generale 2020 USD 125 million green loan. It provides information on the CAPEX that was allocated to the eligible projects
- ▶ The approach presented in this report is consistent with Polymetal's Green Finance Framework ("GFF") which was developed in accordance with the ICMA Green Loan Principles
- ▶ The allocation report is verified by the auditor in a form of agree-upon procedures report in accordance with ISRS 4400

Eligible Project Category	Eligible Green Project	Mine site	2018	2019	2020	2021	11m 2022 <sup>1</sup>	Total Allocated
Clean transportation	Electric excavators replacing diesel-fueled fleet	Komar	-	-	-	5.8	-	5.8
	Electric underground LHDs and trucks	Mayskoye	-	-	3.6	1.5	-	5.1
	Electric Rail-Veyor	Varvara	-	-	-	3.4	1.8	5.2
	Underground electric conveyer system	Mayskoye	-	-	7.9	15.9	6.1	29.9
Renewable energy	Solar power plant (2.5 MW)	Omolon	-	-	1.5	3.9	0.4	5.8
	Solar power plant (1.0 MW)	Svetloye	2.1	-	-0.0	-	-	2.1
	Wind power plant Unchi (100 kW)	Svetloye	0.2	0.1	-0.0	-	-	0.3

Notes:

1) Data as of 30 November 2022 was retrieved from accounting records, prepared in accordance with applicable IFRS requirements.



# Allocation report

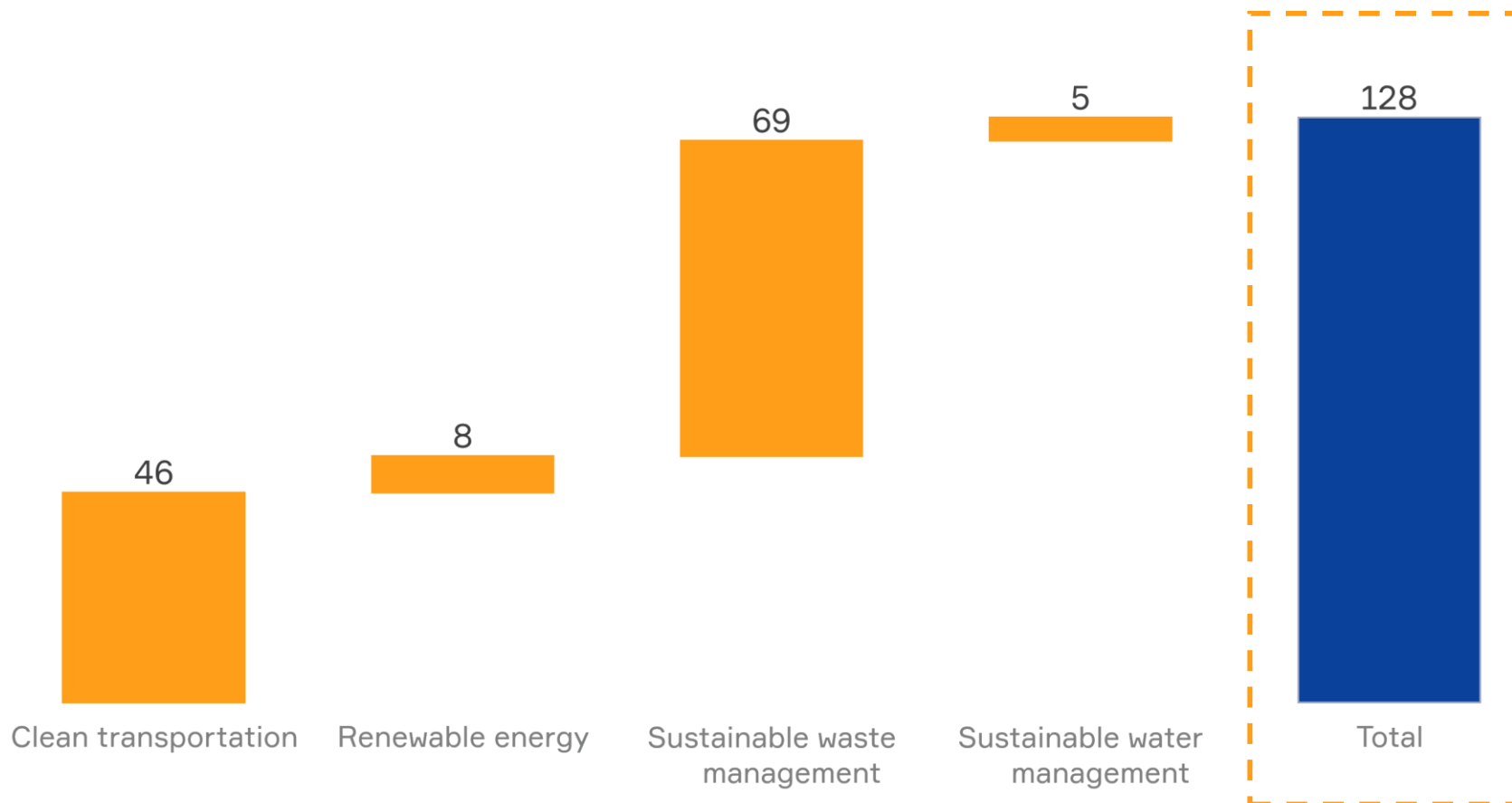
Eligible Project Category	Eligible Green Project	Mine site	2018	2019	2020	2021	11m 2022 <sup>1</sup>	Total Allocated
Sustainable waste and water management	Reverse osmosis to improve discharge water quality	Voro	0.3	0.7	1.3	- 0.0	- 0.0	1.7
	Settling ponds upgrade	Albazino	0.0	0.0	0.7	0.6	1.2	2.5
	Water treatment facilities renovation	Dukat	-	0.1	0.1	0.5	-	0.7
Sustainable waste management	Dry storage facility	Omolon	0.0	1.3	9.1	7.0	0.8	18.3
	Dry storage facility	Nezhda	0.0	-0.0	2.0	4.8	0.6	6.2
	Dry storage facility	Dukat	-	-	0.2	0.3	13.5	13.9
	Dry storage facility	POX-2	0.3	0.3	0.6	1.4	3.4	6.0
	Dry storage facility	Voro	-	-	0.0	0.1	6.0	6.1
	Backfilling project (waste reuse)	Mayskoye	-	-	0.3	6.5	11.4	18.3
<b>Total Allocated Proceeds, \$m</b>			<b>3.0</b>	<b>2.5</b>	<b>26.6</b>	<b>52.0</b>	<b>44.1</b>	<b>128.1</b>
<b>Total Unallocated Proceeds, \$m</b>								<b>-</b>
<b>Total Green Loan Amount to be allocated before 30 November 2022, \$m</b>								<b>125.0</b>

Notes:

1) Data as of 30 November 2022 was retrieved from accounting records, prepared in accordance with applicable IFRS requirements.

# Total green investments under the green loan

CAPEX<sup>1</sup>, \$m



Notes:

1) Data as of 30 November 2022.





# APPENDIX



# Impact report methodology

- ▼ The report relates to the Societe Generale 2020 USD 125 million green loan. It provides information on the environmental benefits (“green impact”) of the eligible green projects.
- ▼ The approach presented in this report is consistent with Polymetal’s Green Finance Framework (“GFF”) which was developed in accordance with the ICMA Green Loan Principles.

## Methodology:

Calculation methodology for the Annual GHG emissions reduction:

- ▼ calculation of annual fuel consumption of the replaced or analogue diesel-powered vehicles based on the fuel consumption intensity per hour multiplied by its running hours per year multiplied by the amount of diesel-powered vehicles replaces or avoided
- ▼ annual fuel consumption of the replaced or analogue diesel-powered vehicles *multiplied by* coefficient of tones of CO2 equivalent per 1 tonne of diesel.

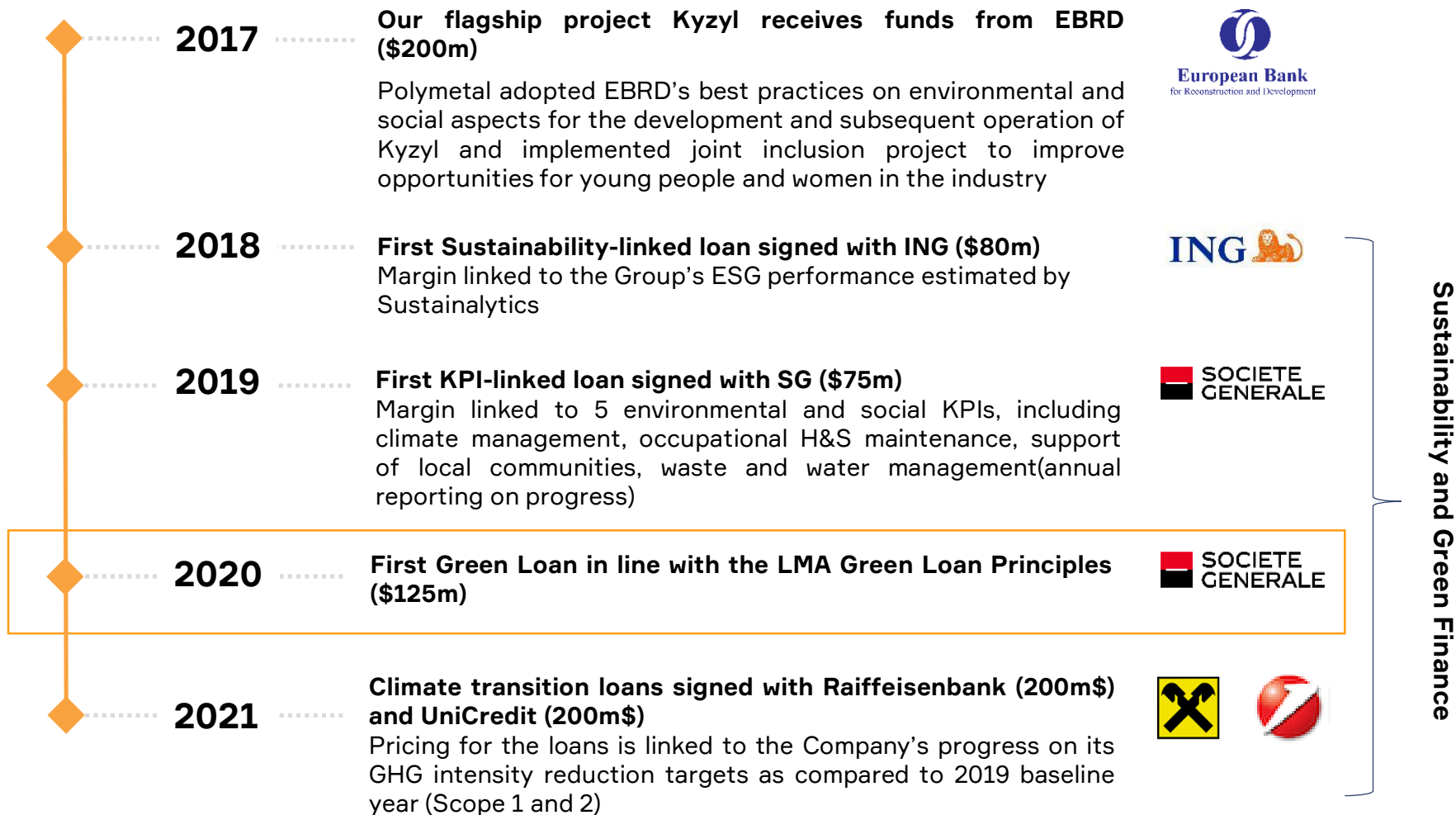
Calculation methodology for the land use volume reduction:

- ▼ if there is no data on the exact operation for comparison, we apply average difference in volume of tailing per 1000 t ore processed = 714 m<sup>3</sup> of liquid and 588 m<sup>3</sup> of dry = 18%
- ▼ dry stacks at Omolon, Nezhda, Dukat are located on territories, previously used for tailings storages.

All coefficients that were used to calculate GHG emissions avoided are from:

- ▼ Guidelines for the quantitative determination of greenhouse gas emissions by organizations operating in the Russian Federation, approved by the Ministry of Natural Resources of Russia and
- ▼ Guidelines for conducting a voluntary inventory of greenhouse gas emissions in the constituent entities of the Russian Federation, approved by the Ministry of Natural Resources of Russia.

# Linking business benefits and sustainability goals



# External assessment and commitments

## RECOGNITION OF OUR EFFORTS TO DATE



- ▼ **22.2** ESG Risk score – Medium risk



- ▼ ESG performance rating: **69/100 (advanced)**, rank in sector: 2/43



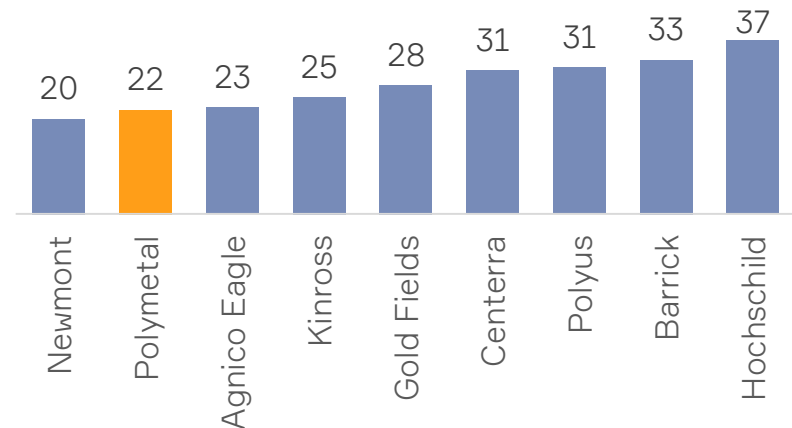
- ▼ ESG rating **B** (downgrade from AA due to significant share of assets in Russia)

**Sustainability Award**  
Bronze Class 2022

**S&P Global**

- ▼ S&P Global Bronze Class Sustainability Award

## ESG RISK RATING PEER COMPARISON\*



## EXTERNAL INITIATIVES

- ▼ Disclosure under GRI, SASB, TCFD, CDP, the International Integrated Reporting Framework
- ▼ Signatory to International Cyanide Management Code
- ▼ Signatory to Extractives Industry Transparency Initiative (EITI) in Kazakhstan

Notes:

1) Based on Sustainalytics data. Lower number means lower risk.



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