

Unlocking geospatial data for finance and commodity trading

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Biodiversity underpins the health of people and planet

Nature doesn't disclose anything



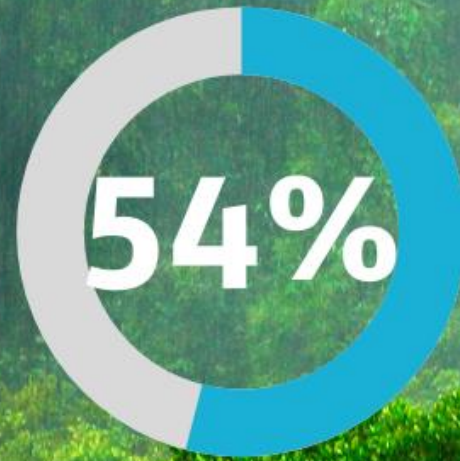
Extractive sectors and biodiversity

Proximity can increase risk to conservation efforts

Mining Sector



Immediate
1 km



Close
10 km



General
30 km



None

Number of projects located within distance

Intro to RepRisk Geospatial

The beauty of integrating datasets

RepRisk and IBAT

Integration of datasets and risk insights for mining, oil and gas projects



60,000

Mining and oil
and gas projects



15,000

Owner and
operator companies



286,000

Protected areas and
key biodiversity areas

RepRisk Geospatial for ESG insights




Answers questions such as...



- Does my client operate any pipelines near protected areas?
- Is the company in my portfolio planning any mines near a mixed or natural UNESCO World Heritage Site?
- Does the mine in my portfolio overlap with any Alliance for Zero Extinction Sites, which house the last remaining members of an endangered species?
- Does the company in my portfolio that is located near an environmentally sensitive site have a history of ESG risk incidents?

Intro to RepRisk Geospatial

The data points – proximity levels

Proximity level	Projects	Companies
 Immediate	Project in the immediate proximity (maximum 1 kilometer) of a sensitive site	Company owns or operates at least one project in immediate proximity (maximum 1 kilometer) of a sensitive site
 Close	Project in close proximity (between 1 and 10 kilometers) of a sensitive site	Company owns or operates at least one project in close proximity (between 1 and 10 kilometers) of a sensitive site
 General	Project in general proximity (between 10 and 30 kilometers) of a sensitive site	Company owns or operates at least one project in general proximity (between 10 and 30 kilometers) of a sensitive site

Intro to RepRisk Geospatial

Project view



Pascua-Lama Gold Mine (Barrick Gold)

Project Profile

Search for entities or risk incidents

SEARCH

BETA

Info

RepRisk Index

UNGC Principles

Geospatial Analytics

Issues

Topic Tags

SDGs

Cases

Countries

Sectors

Companies

Projects

NGOs

Campaigns

+

BETA

Site Location	Sensitive Site	Site Type	Site Subtype	Proximity Level
	Reserva de la Biosfera Parque Nacional San Guillermo	Key Biodiversity Area		
	San Guillermo - Zona de amortiguamiento;San Guillermo - Zona núcleo	Protected Area	UNESCO-MAB Biosphere Reserve	
	San Guillermo	Protected Area	IUCN Category II Wilderness Area	

Proximity Levels

Immediate

Close

General

Please note that the sensitive site links may become broken in case of changes by the provider which are beyond RepRisk's control.

Intro to RepRisk Geospatial

Understanding risk across a portfolio



Portfolio: ⓘ		Current RRI	RRI Change		Peak RRI	RepRisk Rating				
Equal-weighted mean		10	-2 ↗		21	BBB				

Search Entity

Q

Sort by
Proximity Level Flag

11 results

Custom Identifier	Name	Current RRI	RRI Change	Peak RRI	RepRisk Rating	UNGC	Proximity Level	Sectors	HQ
N/A	Fortescue Metals Group Ltd	<div><div></div></div> 24	-4 ↗	47	BB			Industrial Metals Mining	
N/A	Macmahon Holdings Ltd	<div><div></div></div> 22	-1 ↗	32	A			Mining Financial Services	
N/A	Silver Lake Resources Ltd	<div><div></div></div> 22	-1 ↗	40	BBB			Mining	
N/A	Woodside Energy Group Ltd (formerly Woodside Petroleum Ltd)	<div><div></div></div> 25	-12 ↗	50	B			Oil and Gas	
N/A	Kingsrose Mining Ltd	<div><div></div></div> 0	-1 ↗	0	AA			Mining	
N/A	Lynas Rare Earths Ltd (formerly Lynas Corp Ltd)	<div><div></div></div> 0	-1 ↗	26	BBB			Mining	
N/A	Whitehaven Coal Ltd	<div><div></div></div> 21	-2 ↗	40	BBB			Mining	
N/A	Ampella Mining Ltd	<div><div></div></div> 0	0 ⇄	0	AA			Mining	

Intro to RepRisk's corporate risk data ESG through a risk lens

RepRisk is beautifully simple

Helping to systematically identify and assess ESG risks



**ESG through
a risk lens**

**With an outside-in
perspective**

**Daily-updated
research and metrics,
since January 2007**

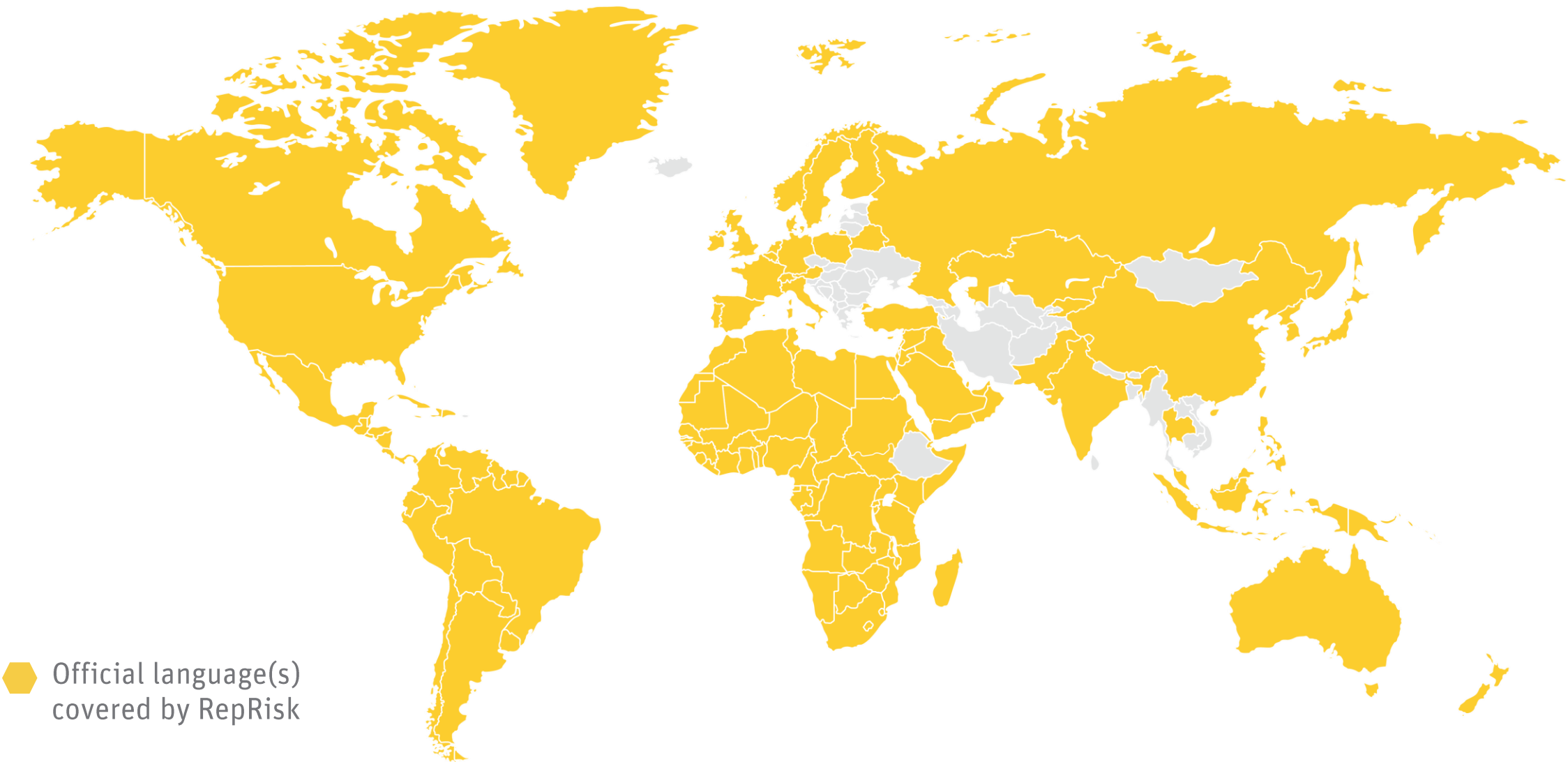
**Powered by a
unique combination
of AI & machine
learning + human
intelligence (HI)**



Our research input: A daily screening of big data to systematically identify and assess ESG risks

Big data: Daily screening of 100,000+ sources and stakeholders in 23 languages



Research in 23 major business languages means risk identification at the local level in local languages



-  Official language(s) covered by RepRisk
-  RepRisk language coverage coming soon

+95% of the world's GDP (2021) is covered by the 23 languages in which RepRisk conducts its research, based on the official language indicated per country.

Arabic	Bahasa Indonesia
Bahasa Malaysia	Chinese
Danish	Dutch
English	Filipino
Finnish	French
German	Hindi
Italian	Japanese
Korean	Norwegian
Polish	Portuguese
Russian	Spanish
Swedish	Thai
Turkish	

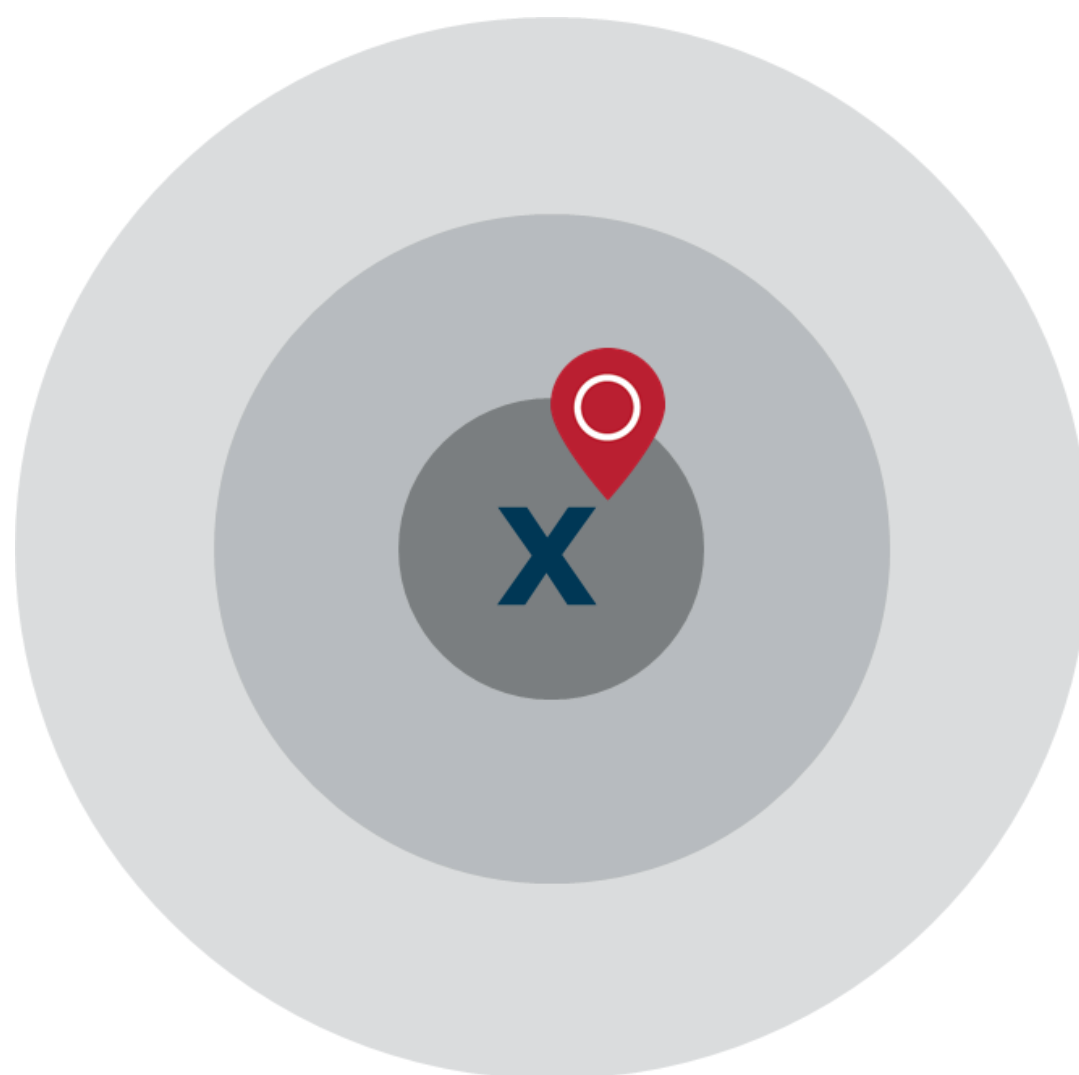
Geospatial data applications

Two gold mine case studies

Pascua-Lama Gold Mine | Argentina | Barrick Gold Corp

RepRisk case study

The mine is within 10km of one Key Biodiversity Areas and two Protected Areas, including:



San Guillermo National Park Biosphere Reserve

At close proximity to the mine, this site is home to a variety of mountain fauna, including herds of wild camelids.

UNESCO-MAB Biosphere Reserves are unique locations, aimed at improving the relationship between people and the environment.

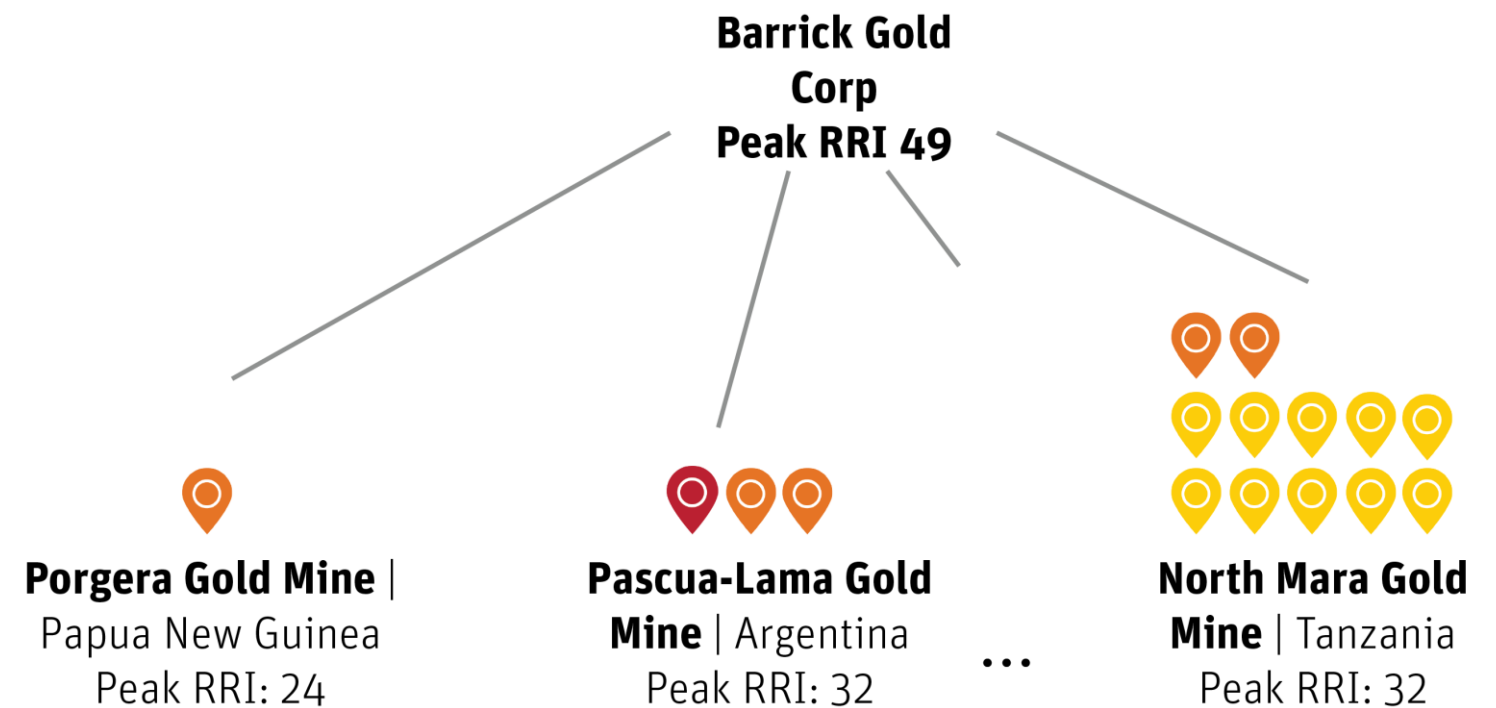
Pascua-Lama Gold Mine | Argentina | Barrick Gold Corp

RepRisk case study

Chile's Supreme Court ratified the Pascua Lama mine **shutdown in 2020** amid overwhelming environmental concerns.

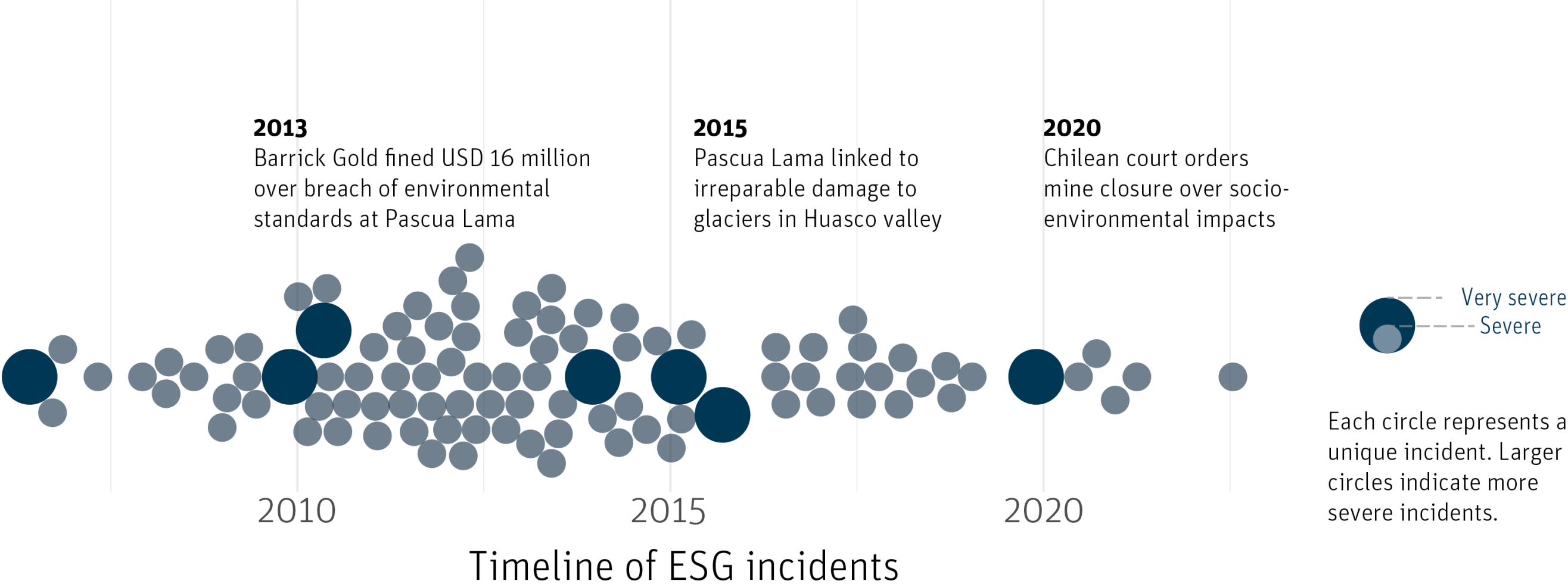
Were there prior indicators of risk?

- RepRisk recorded 208 incidents related to the project since 2006. 80 of these were **severe** or **very severe**.
- The Peak RRI of the project owner, Barrick Gold Corp, has remained around 50 since 2008, signaling **high risk exposure**.
- Barrick Gold Corp owns or operates 69 additional projects with **similar geospatial risks**.



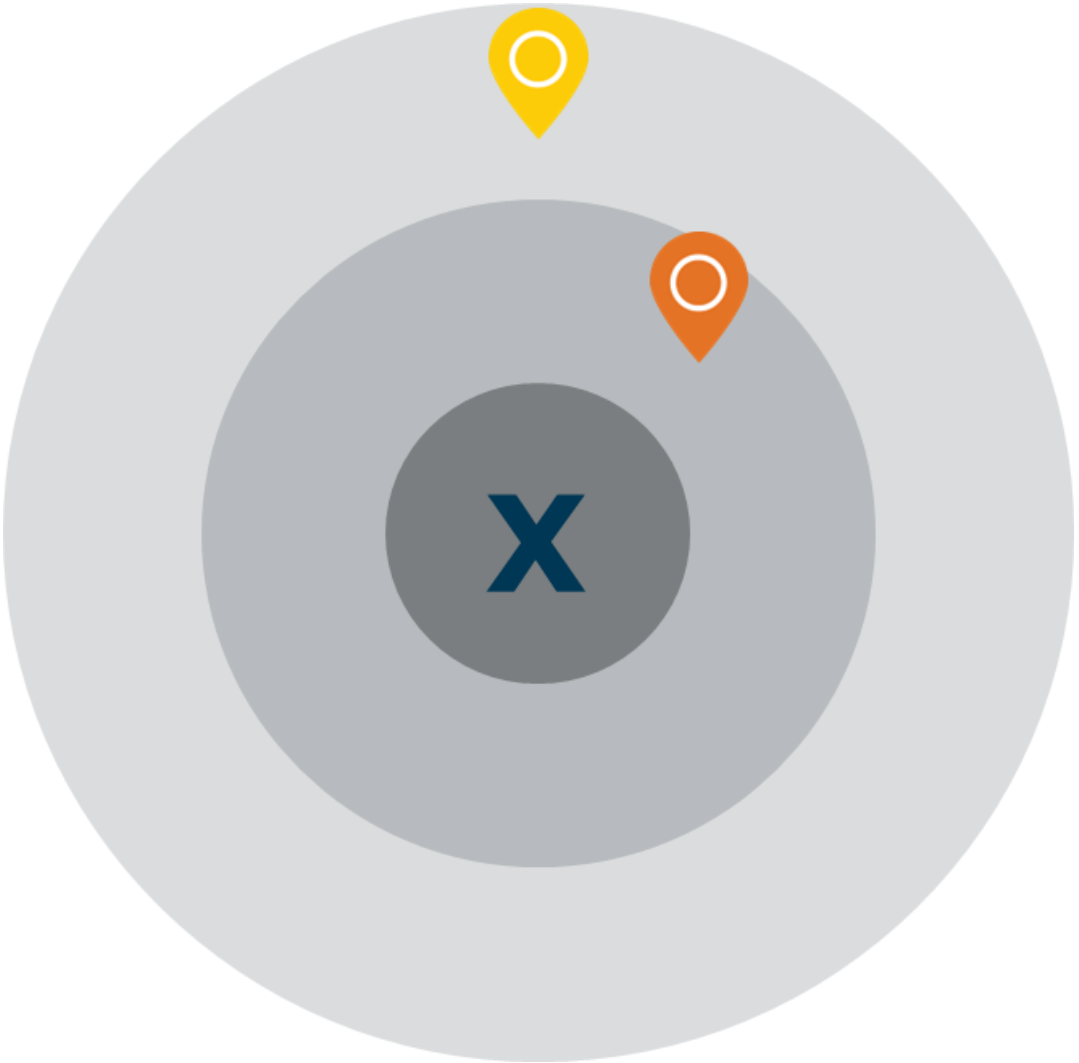
Pascua-Lama Gold Mine | Argentina | Barrick Gold Corp

RepRisk case study



Didipio Copper-Gold Mine Project | Philippines

RepRisk case study



The mine is within 30km of 4 Key Biodiversity Areas and 2 Protected Areas, including:



Quirino Protected Landscape

At **close proximity** to the mine, this site is home to 40 threatened animal species and is an IUCN Category V Protected Landscape/ Seascape.



Cave no 6 Disilud and associated hydrobasin

At **general proximity** to the mine, this site is an Alliance for Zero Extinction Site, meaning it is home to the last-remaining populations of some of the Earth's most threatened species.

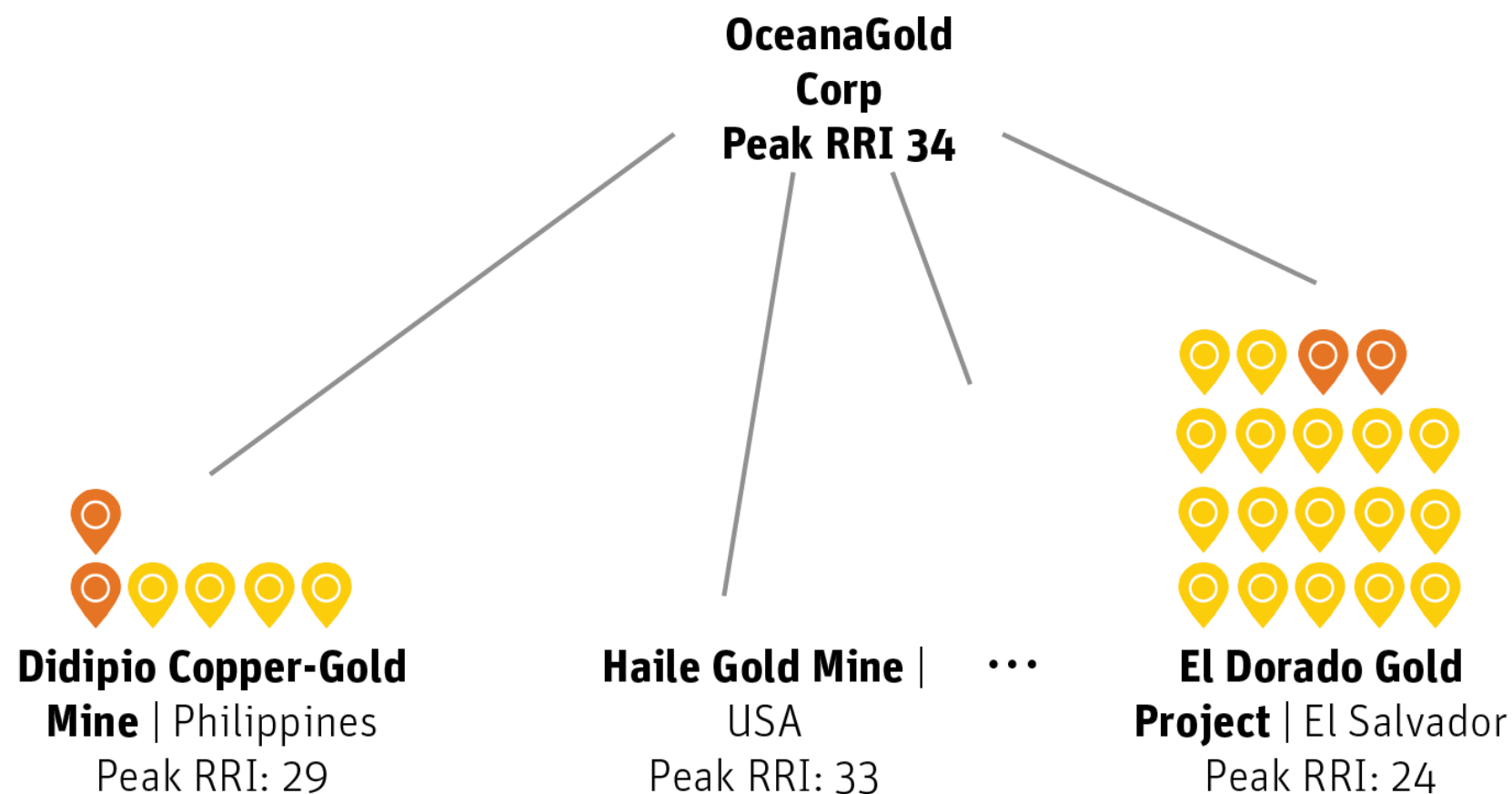
Didipio Copper-Gold Mine | Philippines | OceanaGold Corp

RepRisk case study

In 2019, after the operator's permit expired, Twali-Ifugao Indigenous activists set up a barricade at the mine. It has since resumed operations.

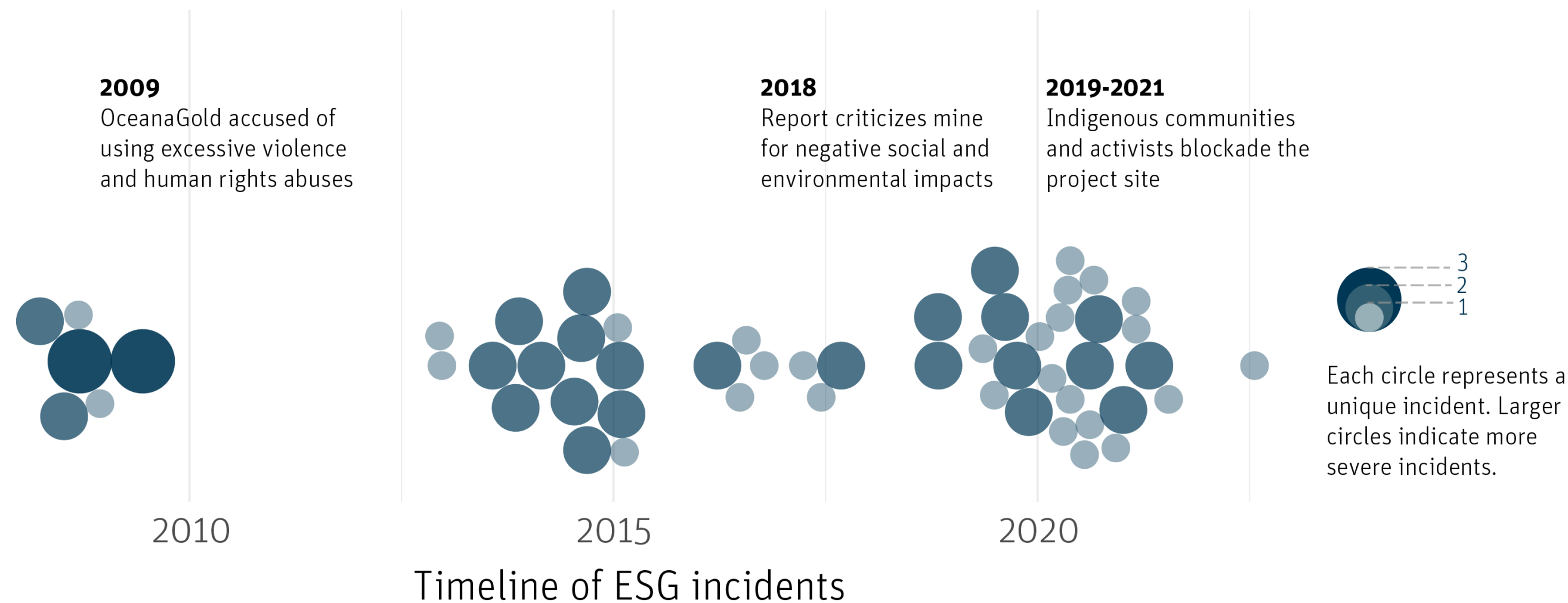
Is this an early indicator of risk?

- RepRisk has recorded 54 incidents related to the project since 2008, 26 of which were **severe** or **very severe**.
- The Peak RRI of the project owner, Oceana Gold, has remained above 30 since 2020, signaling **medium level risk exposure**.



Didipio Copper-Gold Mine | Philippines | OceanaGold Corp

RepRisk case study



Thank you!

Get in touch



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