



Corporate Presentation

April 2023

(LSE:ROCK)



ROCKFIRE
Resources plc

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Rockfire operates in Greece and Australia



Head Office ■

▲ MOLAIO Zn, Pb, Ag, (+/- Ge)

LIGHTHOUSE JV (Au, Ag)
COPPERHEAD (Cu, Mo, Ag) ▲
COPPER DOME (Cu, Au)

Rockfire owns minerals needed for a high-tech future



	ELECTRONICS & TECHNOLOGY	WIND POWER	SOLAR POWER	HYDRO POWER	POWER STORAGE	ELECTRIC VEHICLES	MILITARY APPLICATIONS	ROCKFIRE PROJECT
Zinc		✓	✓	✓	✓			Molaoi, Greece
Lead		✓	✓		✓		✓	Molaoi, Greece
Silver	✓		✓					Molaoi, Greece Plateau, Australia Copperhead, Australia
Germanium	✓					✓	✓	Molaoi, Greece
Gold	✓		✓					Plateau, Australia
Copper		✓	✓	✓		✓	✓	Copperhead, Australia
Molybdenum		✓	✓	✓				Copperhead, Australia



Developing deposits of precious and base metals



JORC Resources

- 210,000 T Zinc
- 39,000 T Lead
- 5.4m Oz Silver
- 131,302 Oz Gold
- 80,000 T Copper
- 9,400 T Molybdenum



Molaoi

**210,000 tonnes Zn
39,000 tonnes Pb
3.5M ounces Ag**



Plateau

**131,302 ounces Au
800,000 ounces Ag**



Copperhead

**80,000 tonnes Cu
9,400 tonnes Mo
1.1M ounces Ag**

Planning for an initial mine with 10-years of zinc production

A successful explorer, defining resources

Attractive investment jurisdictions

Experienced board focused on building value

MOLAOI GREECE



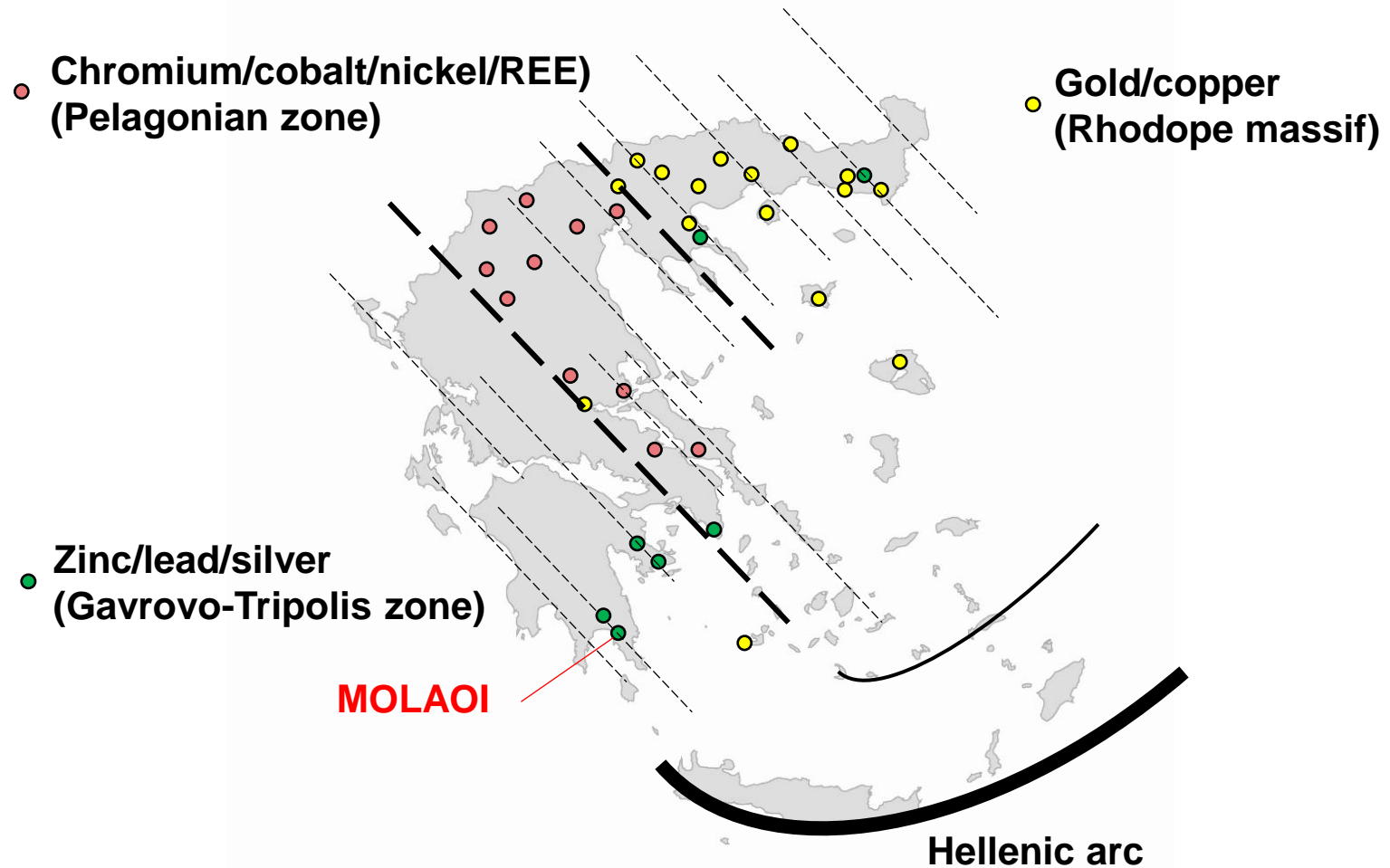
LEAD
wind, hydro,
solar, batteries

ZINC
wind, hydro,
solar

SILVER
solar

GERMANIUM
technology,
phones,
electric vehicles

Greece is a mineral-rich country



Greece – a proven Mining Act and active mining industry



100%

foreign
ownership
of mining
rights

Licences

granted for
exploration
and
exploitation

30 year

tenure, with
renewals
every 5
years

Skouries (Au/Cu) Hellas Gold S.A. (Eldorado)



Stratoni (Ag/Pb/Zn) Hellas Gold S.A. (Eldorado)



Wind technology



Hydroelectric power




Solar photovoltaic technology



Energy relies on
zinc, lead & silver

Energy storage





Polyethylene terephthalate (PET) plastic



Electronics

**Germanium – a
critical mineral
for the future**



Advanced Driver Assistance Systems (ADAS)



Solar photovoltaic technology

2022 achievements at Molaoi, Greece



- ✓ Rockfire/Hellenic wins the tender for Molaoi (8th March)
- ✓ Reanalysis of old drill core returns zinc up to 36% Zn (3rd May)
- ✓ Germanium discovered (10th May)
- ✓ Maiden JORC resource - 2.3 million tonnes @ 11 % ZnEq. (250,000T ZnEq.) (23rd May)
- ✓ Commenced field-based exploration (17th August)
- ✓ Metallurgical tests return high recoveries of zinc (89%) and lead (74%). Concentrate grades of 57% Zn, 856 g/t Ag, 63.6% Pb, 117 g/t Ge, 2.62% Cu and 0.52 g/t Au (25th Aug).
- ✓ Successful excavation of capped, historical portal site (2nd November)
- ✓ Diamond drilling commences (21st November)
- ✓ Old mines are found to host grades up to 25% Zn, 16.8% Pb, 498g/t Ag (28th November)
- ✓ Massive sulphides encountered in first drill hole (12th December)
- ✓ First drill hole hits multiple lodes, with the main lode 7.18m @ 13.4% ZnEq.

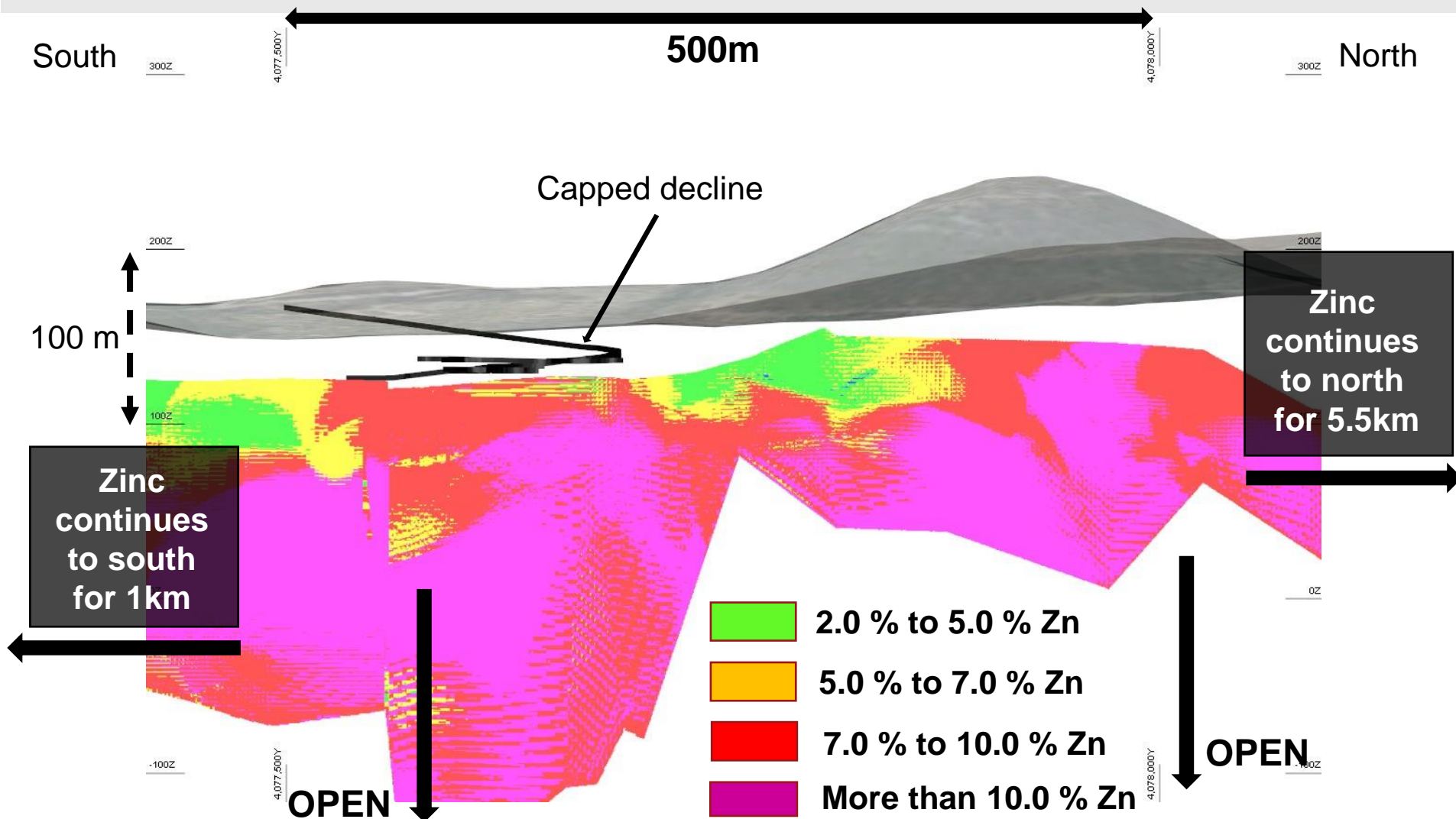
Extremely advanced brownfield project

- 179 diamond drill holes
- 3 x rounds of metallurgical test work
- Fauna and flora studies
- Detailed hydrological studies
- Geotechnical studies
- 2 x feasibility studies (1985 and 1988)
- Techno-economic optimisation designs
- Portal and underground decline
- Crushing and grinding circuit





Long section - mineralisation is open in all directions



High-grade drill intercepts extend 5.5km northwest



PLAN VIEW



Parallel lodes add another
4 km of zinc target (total 11 km)

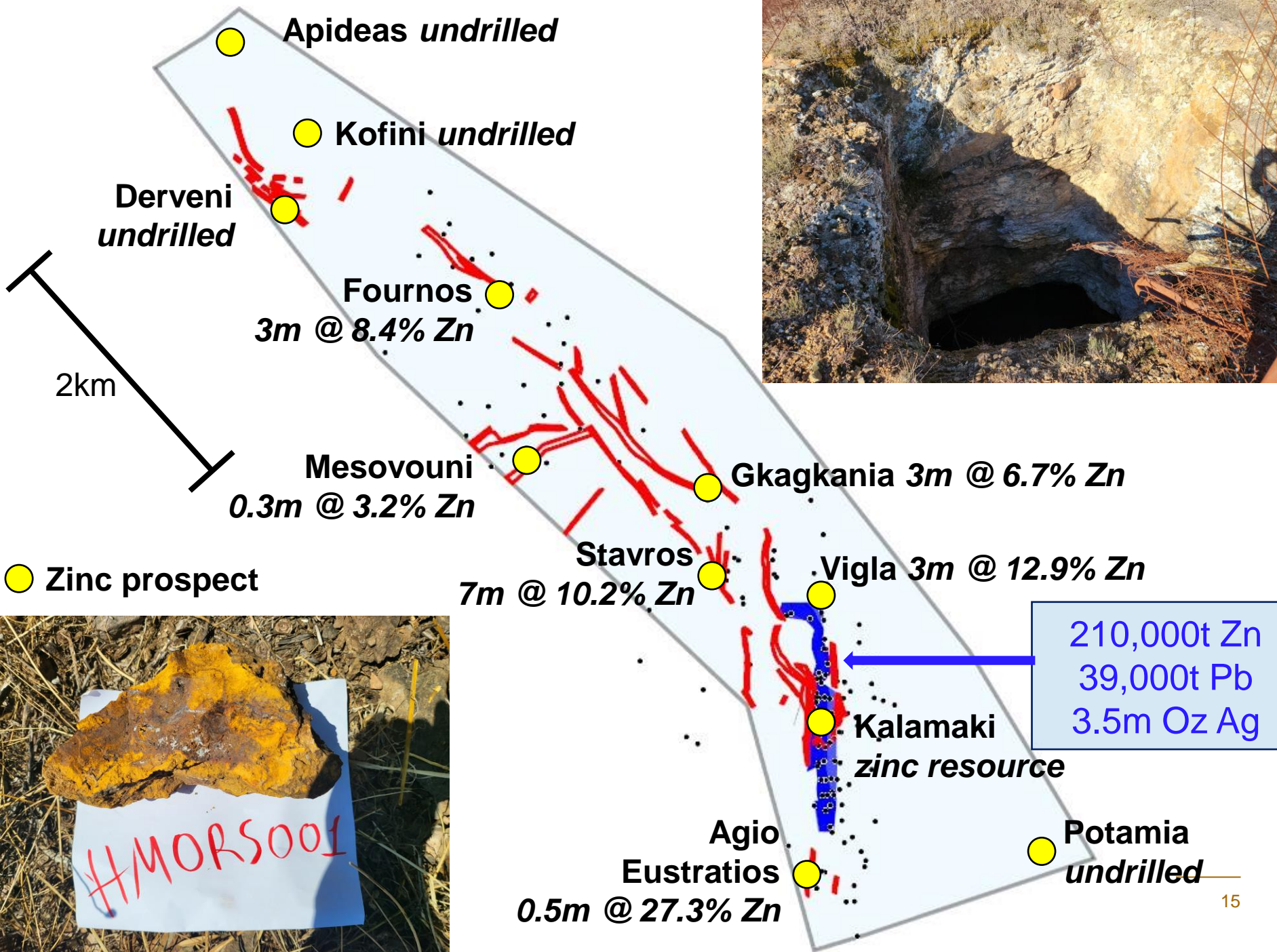
Visible zinc at surface
extends for
more than 7 km

7km

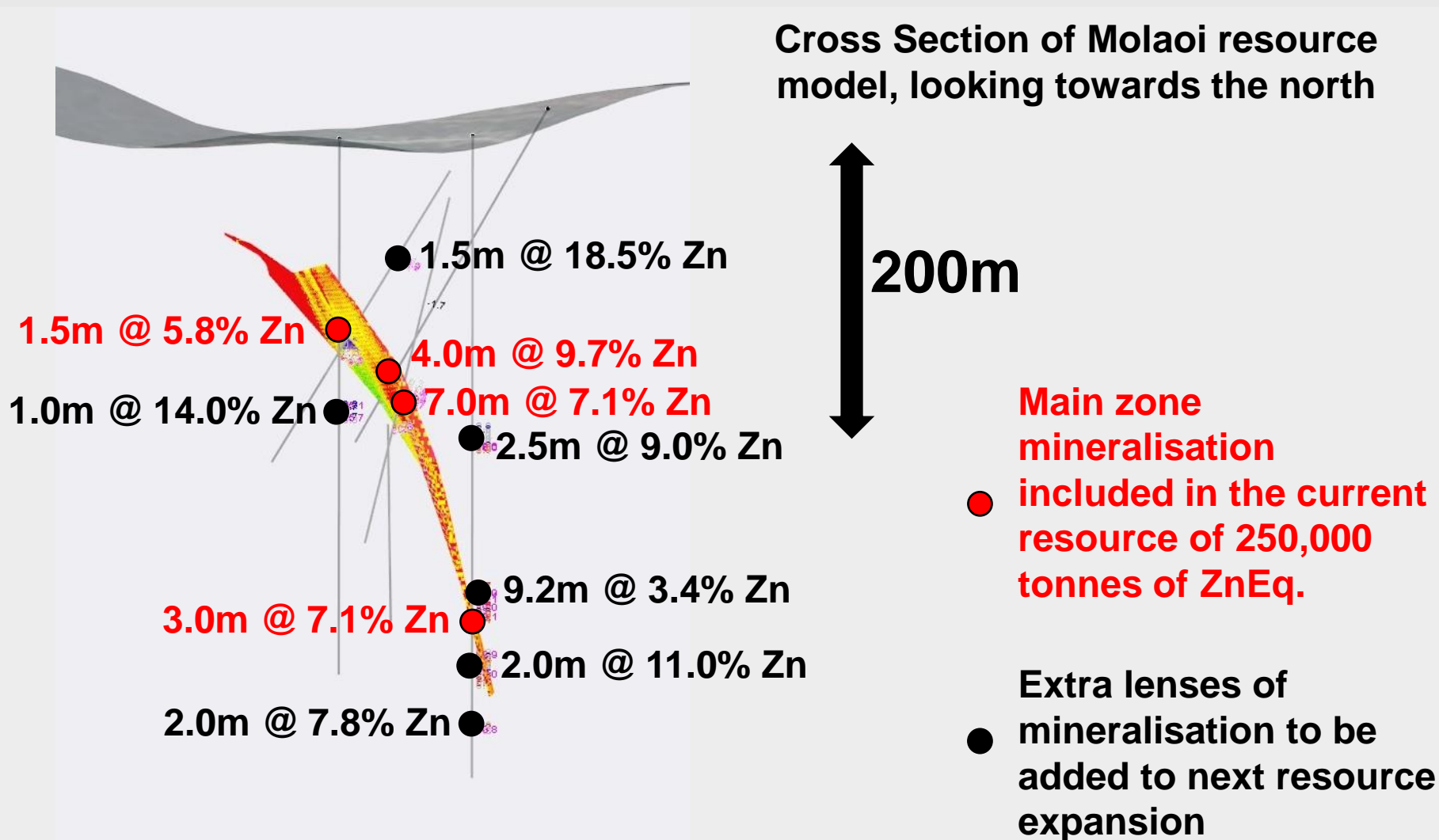
Current JORC resource
250,000t of ZnEq. resource is
1.4 km long

• Drill hole

 Licence outline



Multiple, parallel layers of zinc



Outstanding Infrastructure



- 179 cored drill holes drilled by the Greek State gives Molaoi a distinct advantage



- An exploration portal and a 700m-long decline (capped)



- Mains electricity extends through the centre of the licence



Sealed road access



12.7km from the coast



A highly qualified workforce

Excellent metallurgical recovery



Recovery of 89% of the zinc and 74% of the lead in a single pass, through a 3-stage flotation circuit

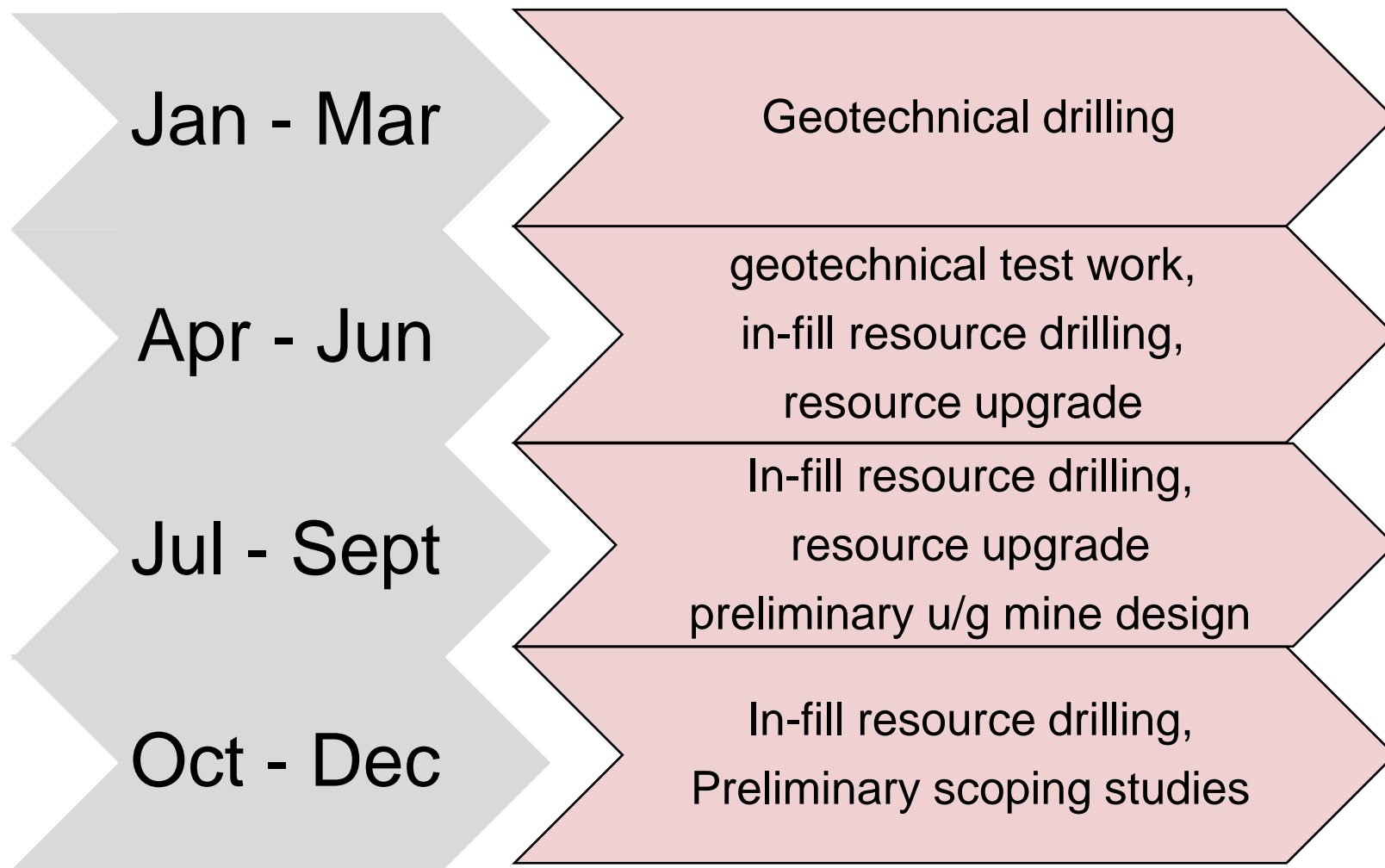
Saleable concentrate grades of zinc (57% Zn), silver (856 g/t Ag), lead (63.6% Pb), germanium (117g/t Ge), copper (2.62% Cu) and gold (0.52 g/t Au)

Grades are well in excess of industry average expectations for zinc and lead

Planned work will optimize conditions for flotation concentration and potentially increase recoveries

Metallurgical test work by BHM Processing
in Perth, Western Australia

2023 expectations



Rockfire Resources – for a sustainable and high-tech future



MOLAOI, Greece

A deposit with
commercial grades
and infrastructure

JORC

210,000t Zn

39,000t Pb

3.5 million Oz Ag

LIGHTHOUSE, Australia

Exploring in proven
gold and silver
mineralised areas

JORC

208,000 Oz Au

1.5 million Oz Ag

COPPERHEAD, Australia

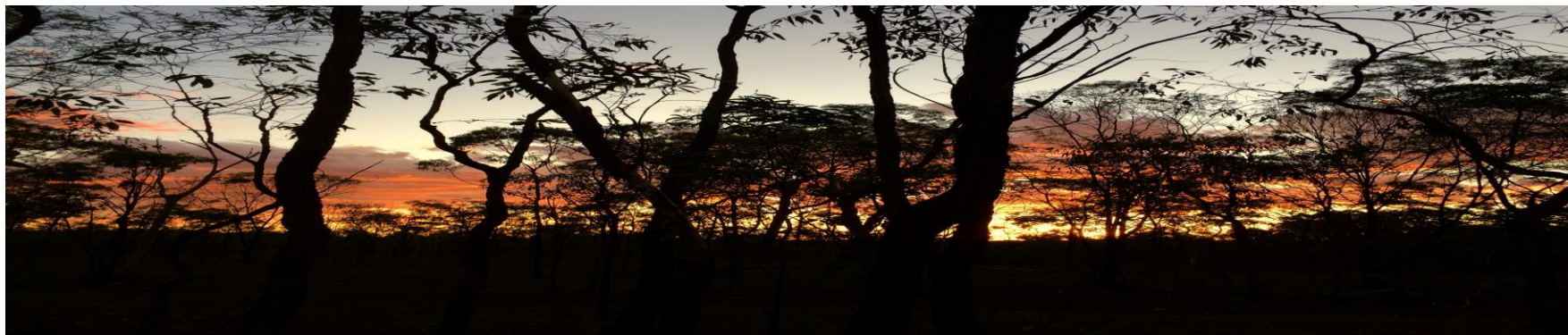
A porphyry copper
project in a known
porphyry belt

JORC

80,000t Cu

9,400t Mo

1.1 million Oz Ag





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