

Practical examples of ASM

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What is Artisanal and Small-Scale Mining?

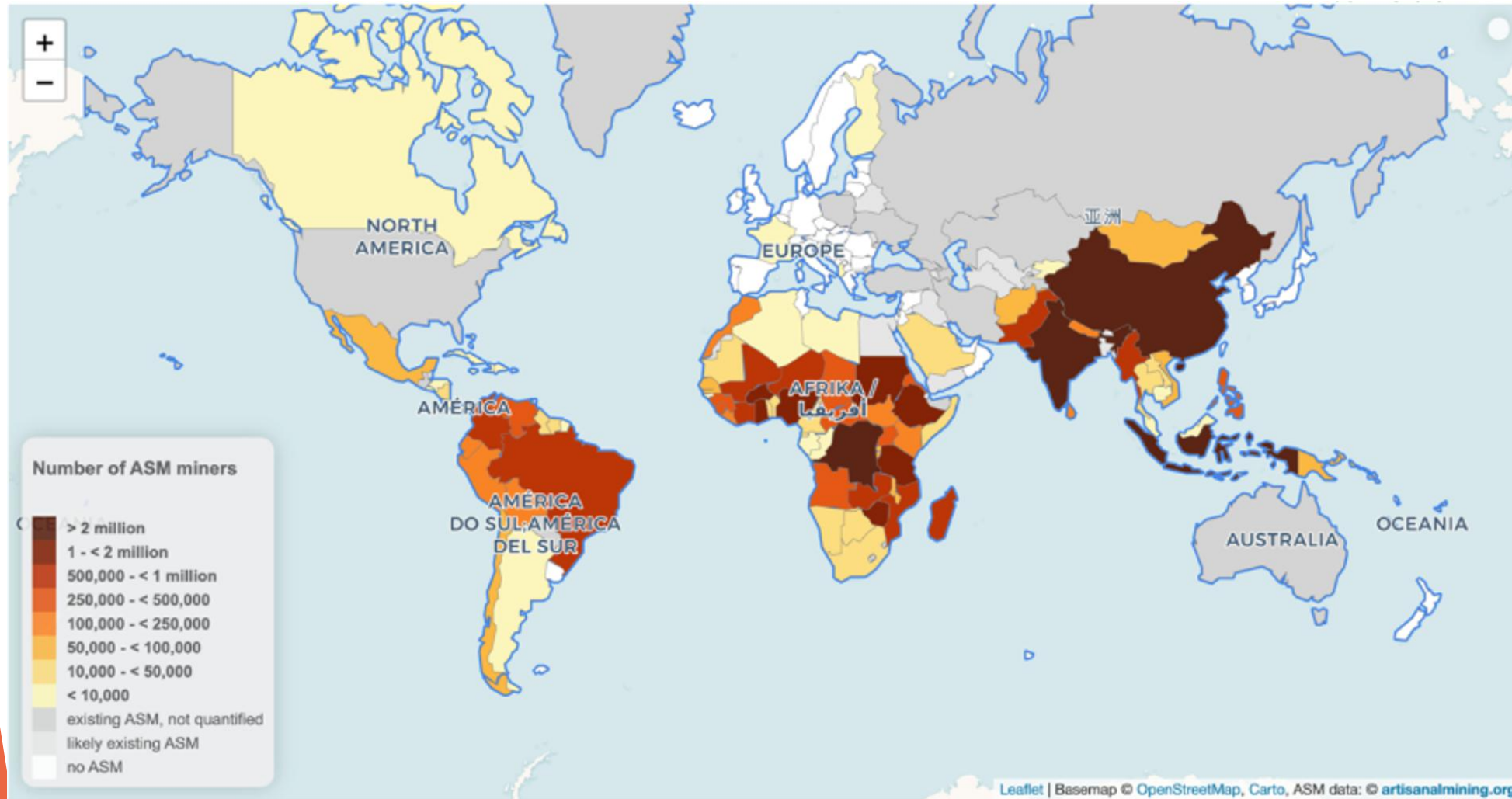
Artisanal and Small-Scale Mining

What is artisanal mining?	Artisanal mining involves manual, small-scale mining activities usually performed by individuals or small groups with minimal technical equipment.
What distinguishes small-scale mining from large-scale mining?	Small-scale mining uses simpler tools and techniques, often in rural areas, and involves less capital and technology compared to large-scale industrial mining.
Why is artisanal and small-scale mining important?	It provides livelihoods for millions of people around the world and supplies many minerals used in various industries.
What are some challenges faced by artisanal and small-scale miners?	They often face issues like limited access to technology, environmental concerns, health risks, and lack of formal recognition or support.



Where does
ASM take place?

Global distribution of ASM Activities



What minerals
are mined by ASM
across the globe?



Commodity	Main ASM-Producing Regions	Typical Use
Gold	Africa, South America, Asia	Jewelry, investment, electronics
Diamonds	Africa, South America	Jewelry, industrial cutting tools
Gemstones (sapphires, rubies, emeralds)	Madagascar, Sri Lanka, Tanzania, Myanmar	Jewelry
Cobalt	Democratic Republic of Congo	Batteries, electric vehicles
Tin	Indonesia, DRC, Rwanda	Electronics, solder
Tantalum (Coltan)	DRC, Rwanda	Mobile phones, capacitors
Tungsten	Central Africa, Asia	Cutting tools, industrial alloys
Copper	DRC, Zambia, South America	Electrical wiring, construction
Sand and Gravel	Worldwide	Construction
Clay and Industrial Minerals	Worldwide	Bricks, ceramics, cement

Commodities Mined by ASM Across the Globe

What Commodities are Mined by ASM in South Africa?



Commodities Mined by ASM in South Africa

- ▶ South Africa has various types of ASM
 - ▶ Alluvial
 - ▶ Diamonds in the North West Province
 - ▶ Underground
 - ▶ Gold in Gauteng, Free State and North West Provinces
 - ▶ Coal in Mpumalanga Province
 - ▶ Surface
 - ▶ Gold (tailings) in Gauteng, Free State and North West Provinces
 - ▶ Chrome in North West Province
 - ▶ Diamond in the Northern Cape Province
 - ▶ Sand in Kwa-Zulu Natal Province
 - ▶ Tigers eye in the Northern Cape Province

Commodities Mined by ASM in South Africa

ARTISANAL AND SMALL-SCALE MINING (ASM) IN SOUTH AFRICA

Types of ASM by Commodity and Key Areas



Practical Examples From South Africa: Diamond



Formalised Diamond ASM

Received Mining Permit in 2018

Joint Venture between Batho Pele Cooperative and Dekapa Mining

Received portion of land to mine 'floors' for diamonds

Riddled with initial problems but now sustainable

Sell they own diamonds and make a profit







Practical Example from South Africa: Gold

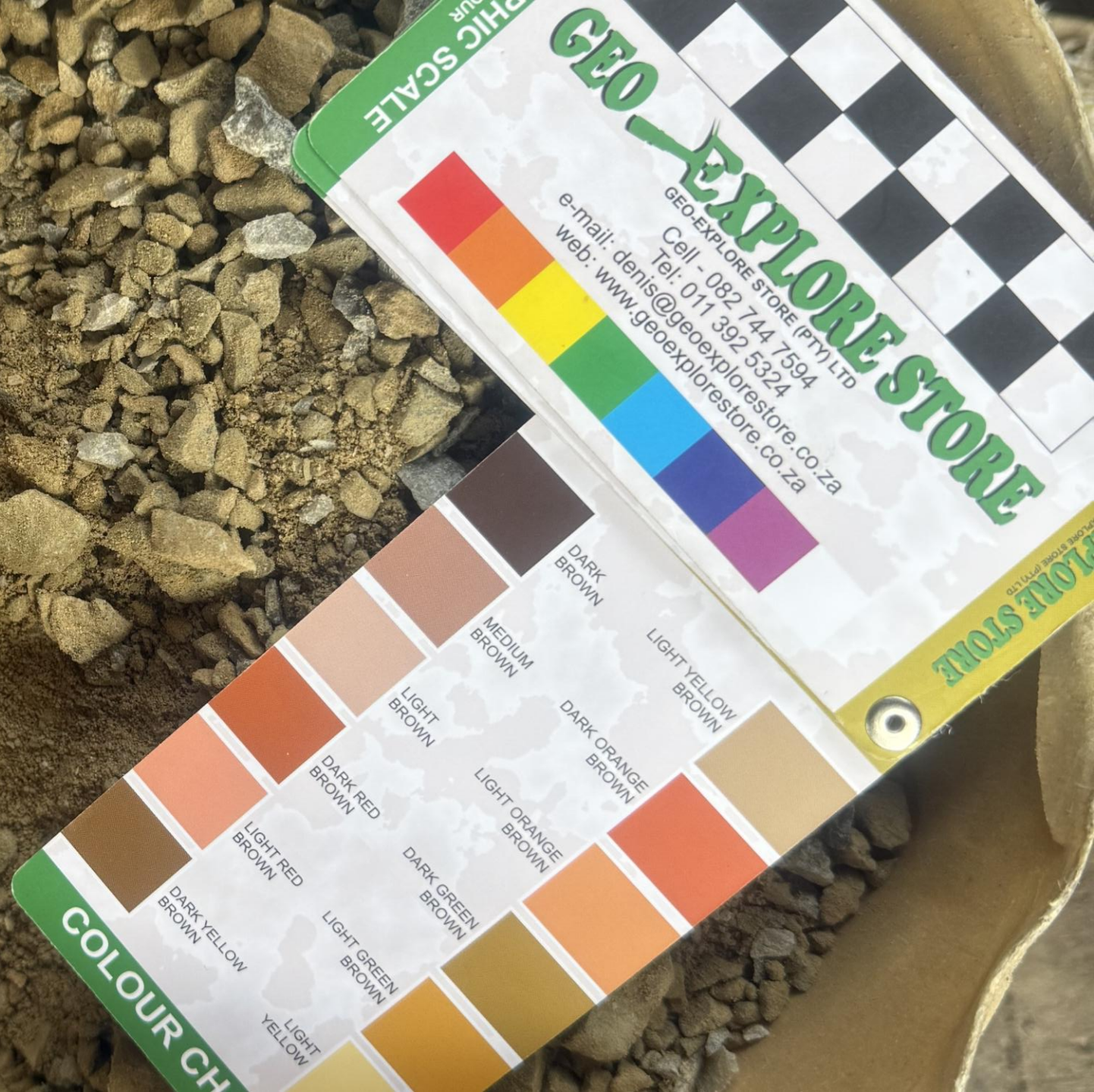
























Questions?

