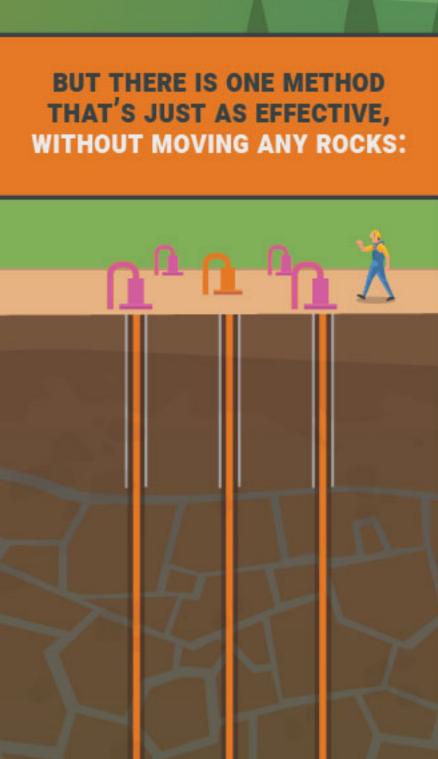
When most people think of mining, they imagine:







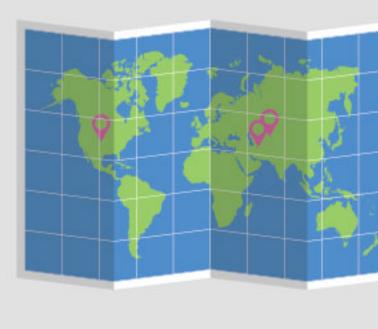


In 2016, 48% of the world's mined uranium was from ISR operations.

UNDERGROUND

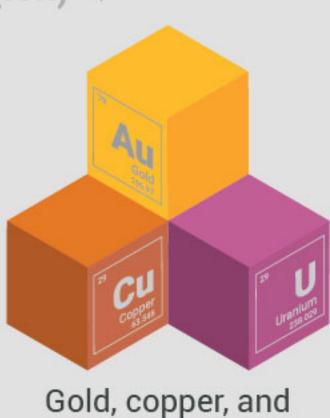
MINING





mining in the USA, Kazakhstan, and Uzbekistan is by ISR.

Most uranium

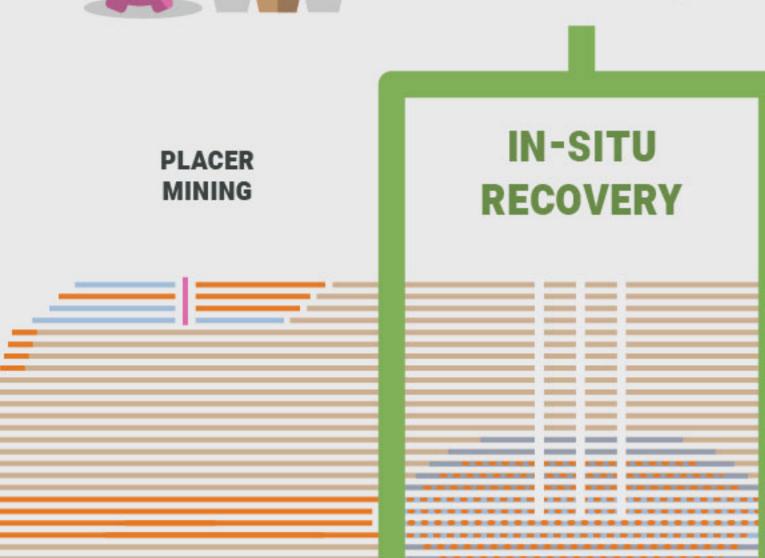


uranium can also be extracted using the ISR method.



and environmentally friendly method of mining.

ISR is the most cost effective



deeper deposits.

More expensive and

often used to reach

Typically used for more

shallow and less

valuable deposits.

SURFACE

MINING

channels, beach sands, or other environments.

Used to sift out

valuable metals from

sediments in river

then processing it at the surface without moving a rock from the ground.

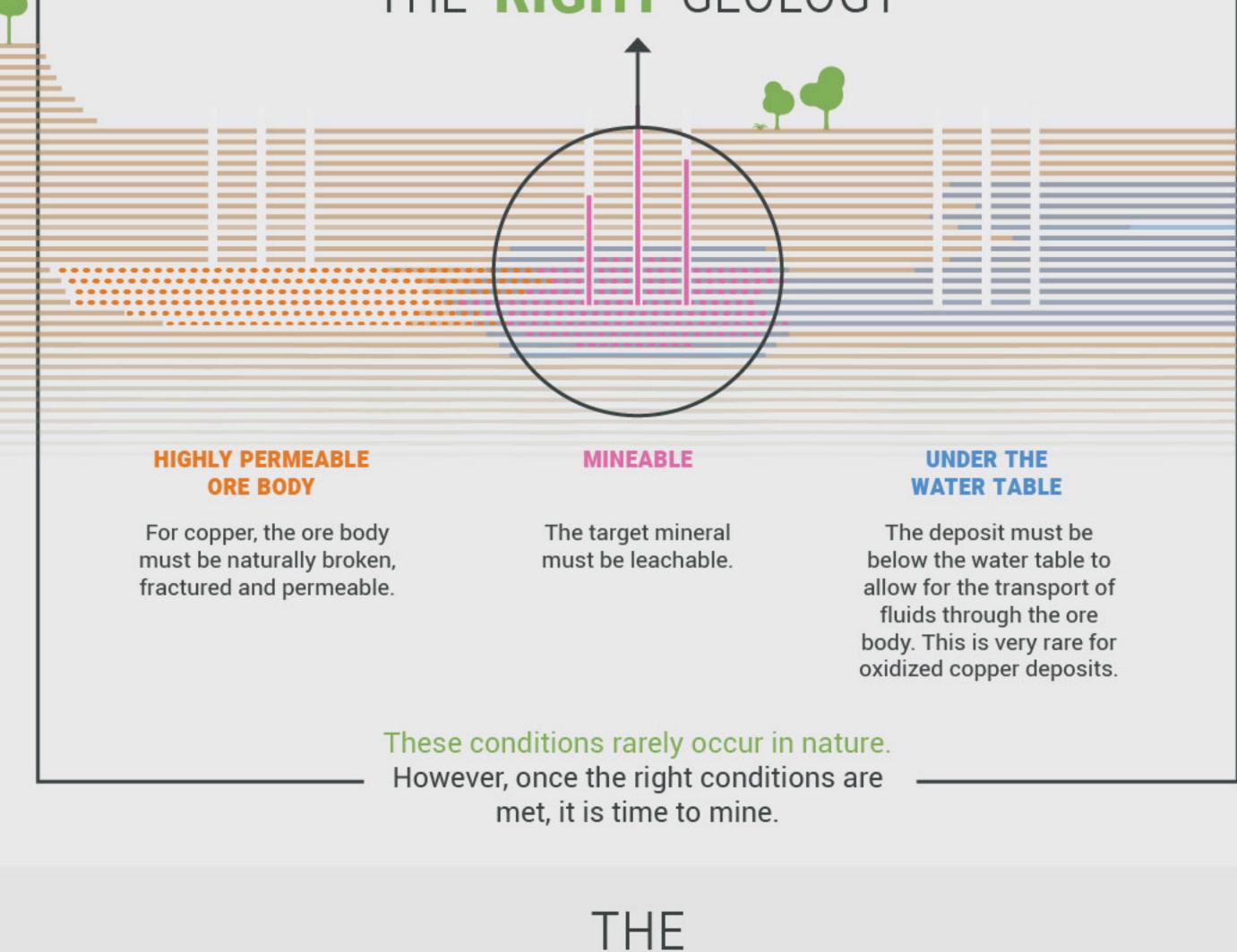
Involves dissolving the

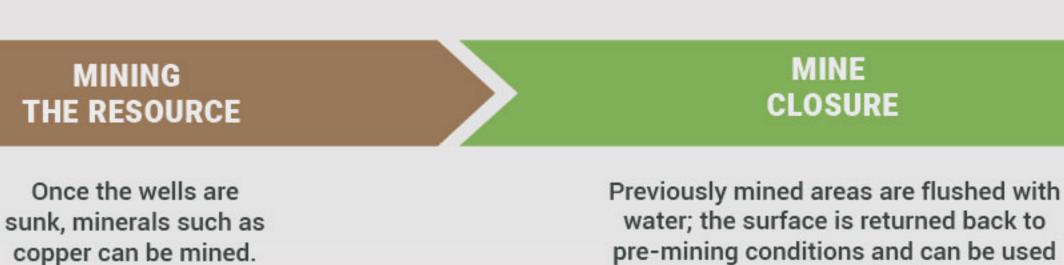
mineral resource in place

THE RIGHT GEOLOGY

So why isn't it used more often?

The geology has to be just right.





PROCESS

OF IN-SITU RECOVERY

The wellfield mines a specific section of the ore body for 2-4 years; new wells are added each year until the entire deposit has been mined.

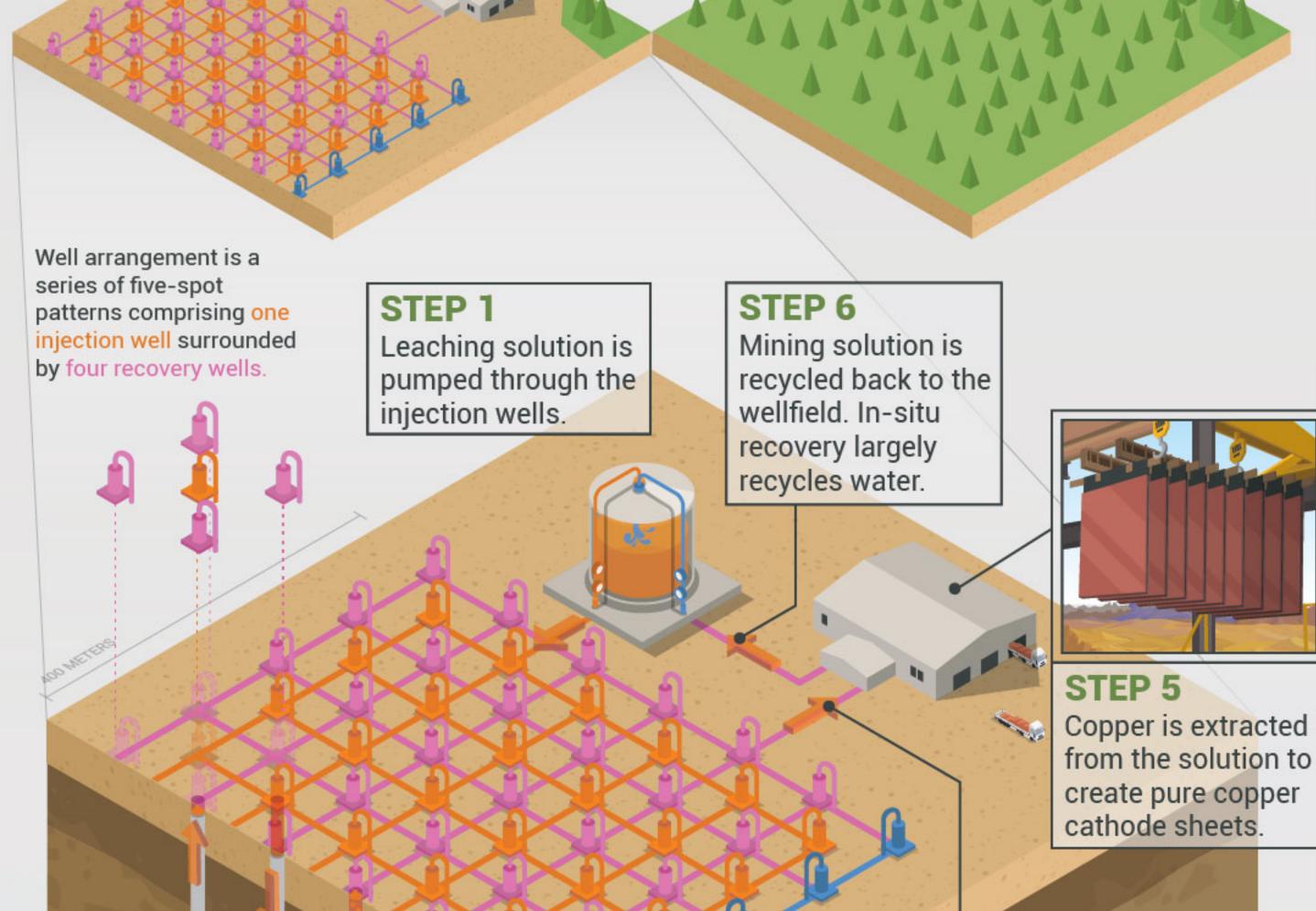
STEP 4

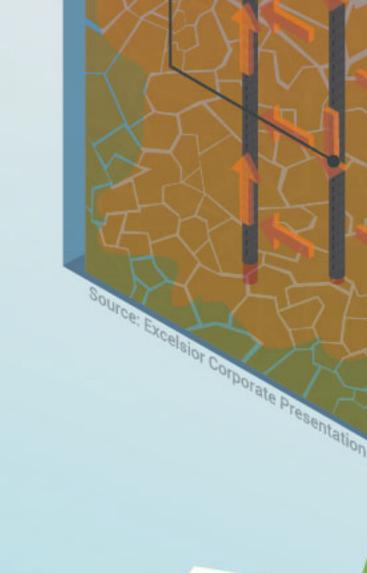
the surface for

Solution is pumped to

standard processing.

for any purpose going forward.





Lower capital and

Safer for mine workers

and surrounding

communities

operating costs

STEP 2

The solution moves

fractured rock and

through the naturally

dissolves the copper.

ADVANTAGES OF IN-SITU RECOVERY

STEP 3

extract the

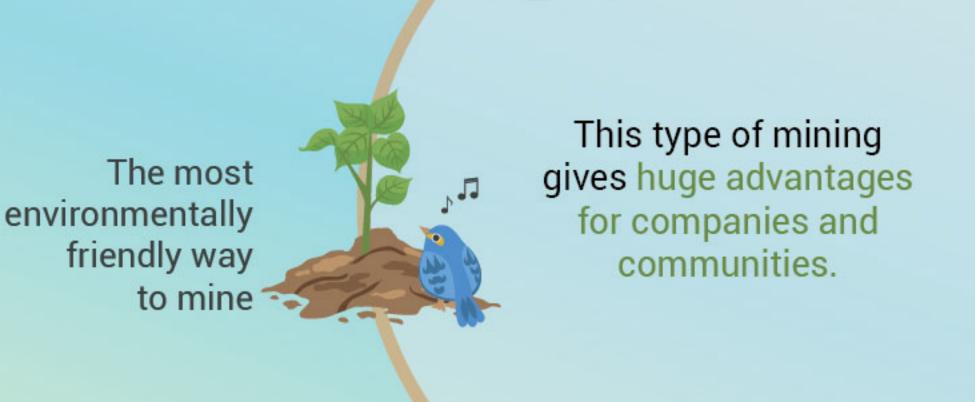
Recovery wells

copper-rich solution.



Minimal noise, dust, and

greenhouse gas impact



No creation of open holes, waste dumps, leach pads or tailings

Minimal visual

disturbance

In-Situ Recovery is a proven mining method, with significant benefits for companies and the environment, all without a moving a single rock.

Presented by:



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