

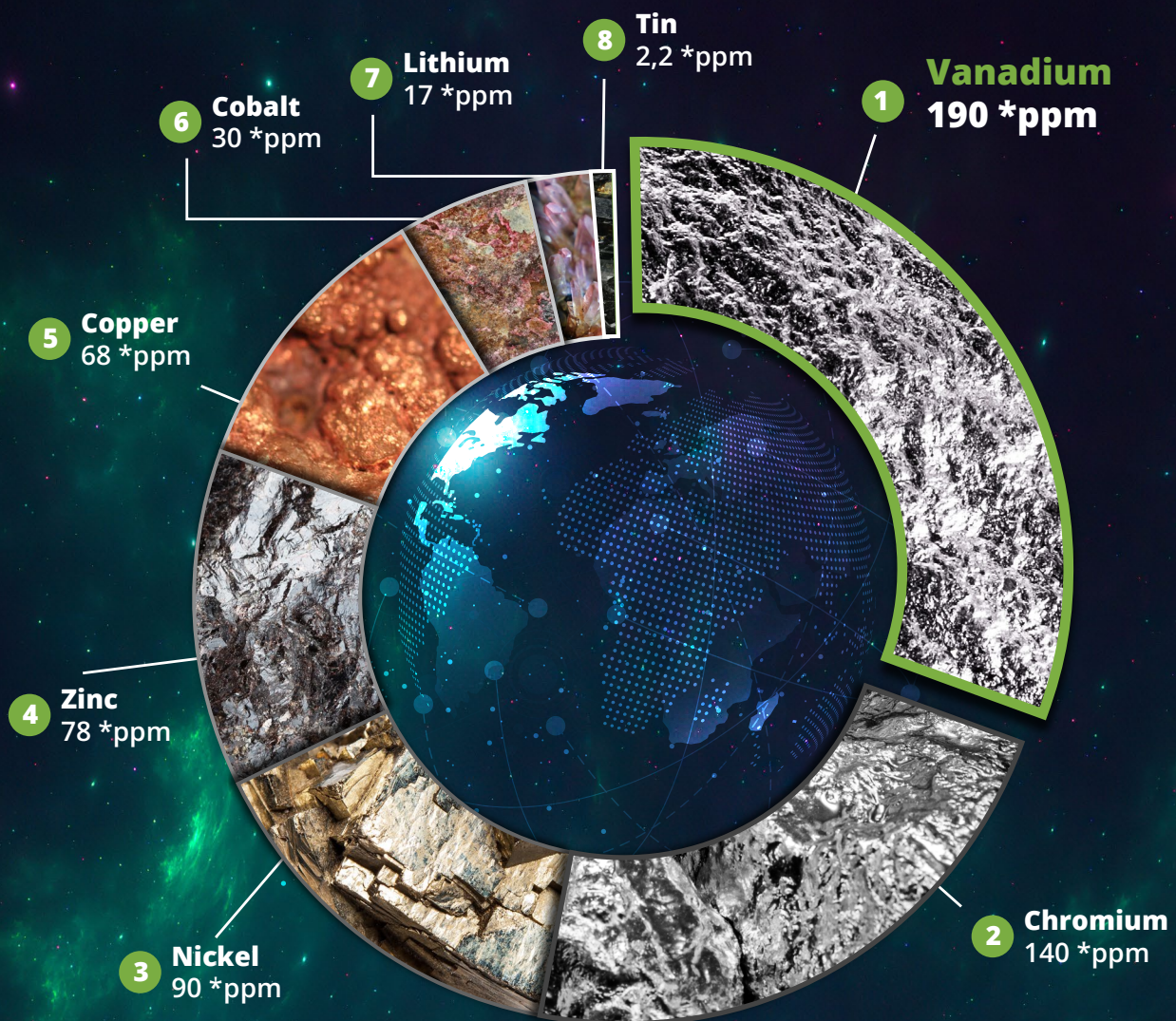
VANADIUM

ONE OF THE MOST ABUNDANT BATTERY MINERALS IN THE EARTH'S CRUST

It is more abundant than other battery metals including chromium, nickel, copper, cobalt and lithium.

Global VANADIUM resources exceed **63 MILLION METRIC TONNES**, with **24 MILLION METRIC TONNES** of known reserves, meeting current demand for over **150 YEARS**.

This doesn't consider the infinite **re-use and recycling of vanadium within VRFBs**, which will extend this far into the future.



*ppm (parts per million)

*This list does not constitute 100% of the minerals within the earth's crust, nor does it constitute all of the battery minerals used in all battery technologies.

Sources:

- Mathematica's ElementData function from Wolfram Research, Inc.
- US Geological Survey 2022