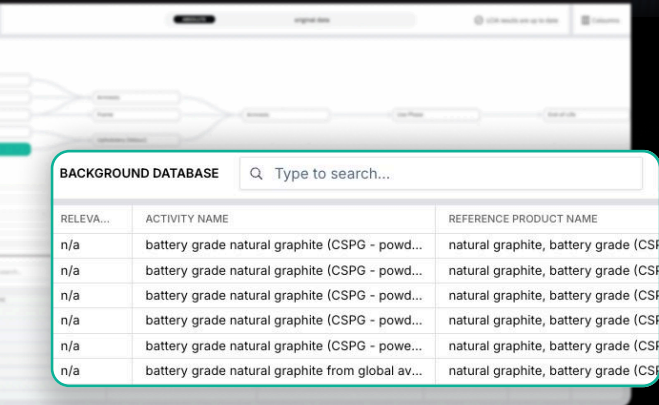




## Battery Materials Database

POWERED BY MINVIRO £6,500 annually



### Proprietary Data for Battery LCA & Supply Chain Decision Making

Minviro's XYCLE Battery Materials Database provides high-resolution life cycle assessment (LCA) data on key battery materials, enabling users to quantify environmental impacts with confidence. Crafted by Minviro's sustainability experts, this resource supports supply chain analysis, regulatory compliance, and sustainability decision-making.

### What's Included?

60+ unique data points

Data representing 70–80% of global production

Track impacts from cradle-to-grave

Data per region, processing route, material type etc

Developed by experts at Minviro (quality-assurance)

All data critically reviewed and aligned with EF and ILCD

### How Can I Use It?

#### Life Cycle Assessments (LCA) & Carbon Assessment

- High quality, technological and regionally representative data
- Quantify carbon footprint and environmental impacts per material, processing route, and location.

#### Supply Chain & Procurement Decisions

- Compare regional variations in material production impacts to optimise sourcing.
- Identify low-impact or more sustainable supply chain routes.

#### Regulatory & ESG Compliance

- Align with EU Battery Regulations & carbon disclosure requirements.
- Integrate verified impact datasets into sustainability reports.

#### R&D & Material Selection

- Evaluate alternative materials or processing methods before scaling production.
- Support eco-design initiatives with precise environmental impact insights.

#### Corporate & Investor Sustainability Strategies

- Strengthen ESG reporting with science-backed environmental data.
- Use impact insights to guide investment decisions in battery materials & supply chains.

Trusted by industry leaders and aligned with regulatory frameworks, the database is continuously updated to reflect industry advancements and best practices.

#### How to access it?

Contact [info@minviro.com](mailto:info@minviro.com) or visit [www.minviro.com](http://www.minviro.com) to learn more and schedule a demo.



ACTIVITY	REGION	PRODUCT NAME
Battery Grade Natural Graphite (CSPG - Powder) Produced Via Carbochlorination In Quebec, Canada From Graphite Concentrate From Quebec	CA-QC	Natural Graphite, Anode Grade (CSPG - Powder)
Battery Grade Natural Graphite (CSPG - Powder) Produced Via HF In Heilongjiang, China From Graphite Concentrate From Heilongjiang	CN-HL	Natural Graphite, Anode Grade (CSPG - Powder)
Battery Grade Natural Graphite (CSPG - Powder) Produced Via HF In Shandong, China From Graphite Concentrate From Heilongjiang	CN-SD	Natural Graphite, Anode Grade (CSPG - Powder)
Battery Grade Natural Graphite (CSPG - Powder) Produced Via Thermal Purification In Sweden From Graphite Concentrate From Sweden	SE	Natural Graphite, Anode Grade (CSPG - Powder)
Battery Grade Natural Graphite (CSPG - Powder) Produced Via HF Route In US - SERC From Graphite Concentrate From Mozambique	US-SERC	Natural Graphite, Anode Grade (CSPG - Powder)
Battery Grade Natural Graphite From Global Average	GLO	Natural Graphite, Anode Grade (CSPG - Powder)
Battery Grade Synthetic Graphite From Global Average	GLO	Synthetic Graphite, Battery Grade
Battery Grade Synthetic Graphite In Inner Mongolia (Calcination) And Taiwan (Graphitisation) From Petroleum Coke (Powder)	CN-NM	Synthetic Graphite, Battery Grade
Battery Grade Synthetic Graphite In Inner Mongolia From Petroleum Coke (Powder)	CN-NM	Synthetic Graphite, Battery Grade
Battery Grade Synthetic Graphite In Sichuan (Calcination) And Taiwan (Graphitisation) From Petroleum Coke (Powder)	CN-SC	Synthetic Graphite, Battery Grade
Battery Grade Synthetic Graphite In Sichuan, China From Petroleum Coke (Powder)	CN-SC	Synthetic Graphite, Battery Grade
Battery Grade Synthetic Graphite In US - SERC From Petroleum Coke (Powder)	US-SERC	Synthetic Graphite, Battery Grade
Cobalt Sulfate Heptahydrate From Global Average	GLO	Cobalt Sulfate Heptahydrate
Cobalt Sulfate Heptahydrate Produced In China Via HPAL From MHP With Co-Cu Sulfide Ore From Democratic Republic Of Congo	CN	Cobalt Sulfate Heptahydrate
Cobalt Sulfate Heptahydrate Produced In China Via HPAL From MHP With Laterite Ore From Indonesia	CN	Cobalt Sulfate Heptahydrate
Cobalt Sulfate Heptahydrate Produced In Indonesia Via HPAL From MHP With Laterite Ore From Indonesia	ID	Cobalt Sulfate Heptahydrate
HPMSM Produced Via Direct Ore Processing (Calcination Not Included) In South Africa With Manganese Ore From South Africa	ZA	High Purity Manganese Sulphate Monohydrate (HPMSM)
HPMSM Produced Via Direct Ore Processing In Australia With Manganese Ore From Australia	AU	High Purity Manganese Sulphate Monohydrate (HPMSM)
HPMSM Produced Via Direct Ore Processing In Australia With Manganese Ore From Gabon	AU	High Purity Manganese Sulphate Monohydrate (HPMSM)
HPMSM Produced Via Direct Ore Processing In China With Manganese Ore From Australia	CN	High Purity Manganese Sulphate Monohydrate (HPMSM)
HPMSM Produced Via Direct Ore Processing In China With Manganese Ore From Brazil	CN	High Purity Manganese Sulphate Monohydrate (HPMSM)
HPMSM Produced Via Direct Ore Processing In China With Manganese Ore From Gabon	CN	High Purity Manganese Sulphate Monohydrate (HPMSM)
HPMSM Produced Via Direct Ore Processing In China With Manganese Ore From India	CN	High Purity Manganese Sulphate Monohydrate (HPMSM)
HPMSM Produced Via Direct Ore Processing In China With Manganese Ore From South Africa	CN	High Purity Manganese Sulphate Monohydrate (HPMSM)
HPMSM Produced Via Direct Ore Processing In Gabon With Manganese Ore From Gabon	GA	High Purity Manganese Sulphate Monohydrate (HPMSM)
HPMSM Produced Via EMM Dissolution In China With Manganese Ore From China	CN	High Purity Manganese Sulphate Monohydrate (HPMSM)
HPMSM Produced Via EMM Dissolution In South Africa With Manganese Ore From China	ZA	High Purity Manganese Sulphate Monohydrate (HPMSM)
Lithium Carbonate From Global Average	GLO	Lithium Carbonate
Lithium Carbonate Produced Via DLE Processing Of Geothermal Brine In US	US	Lithium Carbonate
Lithium Carbonate Produced Via Evaporation And Processing Of Salar Brine In Chile	CL	Lithium Carbonate
Lithium Carbonate Produced Via Processing In America Of Sedimentary Clays From US	US	Lithium Carbonate
Lithium Carbonate Produced Via Processing In China Of Spodumene Concentrate From Australia	CN	Lithium Carbonate
Lithium Carbonate Produced Via Processing In US Of Spodumene Ore From US	US	Lithium Carbonate
Lithium Hydroxide Monohydrate From Global Average	GLO	Lithium Hydroxide Monohydrate
Lithium Hydroxide Monohydrate Produced Via DLE Processing Of Geothermal Brine In US	US	Lithium Hydroxide Monohydrate
Lithium Hydroxide Monohydrate Produced Via Evaporation And Processing Of Salar Brine In Chile	CL	Lithium Hydroxide Monohydrate
Lithium Hydroxide Monohydrate Produced Via Processing In Canada Of Spodumene Concentrate From Canada	CA	Lithium Hydroxide Monohydrate
Lithium Hydroxide Monohydrate Produced Via Processing In China Of Spodumene Concentrate From Australia	CN	Lithium Hydroxide Monohydrate
Lithium Hydroxide Monohydrate Produced Via Processing In The US Of Sedimentary Clays From US	US	Lithium Hydroxide Monohydrate
Lithium Hydroxide Monohydrate Produced Via Processing In US Of Spodumene Ore From US	US	Lithium Hydroxide Monohydrate
Manganese Sulfate Monohydrate From Global Average (EF3.0)	GLO	Manganese Sulfate
Nickel Sulfate Hexahydrate From Global Average	GLO	Nickel Sulfate Hexahydrate
Nickel Sulfate Hexahydrate Produced Via Ammonia Refining In Australia From Nickel Sulfide Ore From Australia	AU	Nickel Sulfate Hexahydrate
Nickel Sulfate Hexahydrate Produced Via Carbonyl In Canada From Nickel Sulfide Ore From Canada	CA	Nickel Sulfate Hexahydrate
Nickel Sulfate Hexahydrate Produced Via Electrowinning In China From Nickel Sulfide Ore From China	CN	Nickel Sulfate Hexahydrate
Nickel Sulfate Hexahydrate Produced Via Heap Leaching In Finland From MSP From Finland	FI	Nickel Sulfate Hexahydrate
Nickel Sulfate Hexahydrate Produced Via HPAL In Brazil From MSP From Brazil	BR	Nickel Sulfate Hexahydrate
Nickel Sulfate Hexahydrate Produced Via HPAL In China From MHP From New Caledonia	CN	Nickel Sulfate Hexahydrate
Nickel Sulfate Hexahydrate Produced Via HPAL In China From Nickel Laterite Ore From Australia	CN	Nickel Sulfate Hexahydrate
Nickel Sulfate Hexahydrate Produced Via HPAL In China From Nickel Laterite Ore From Madagascar	CN	Nickel Sulfate Hexahydrate
Nickel Sulfate Hexahydrate Produced Via HPAL In Indonesia From MHP From Indonesia	ID	Nickel Sulfate Hexahydrate
Nickel Sulfate Hexahydrate Produced Via RKEF In China From Nickel Laterite Ore From Indonesia	CN	Nickel Sulfate Hexahydrate
Nickel Sulfate Hexahydrate Produced Via RKEF In Indonesia (Coal) From Nickel Laterite Ore From Indonesia	ID	Nickel Sulfate Hexahydrate
Nickel Sulfate Hexahydrate Produced Via RKEF In Indonesia (Hydro Electricity) From Nickel Laterite Ore From Indonesia	ID	Nickel Sulfate Hexahydrate