

KEY MINERALS

For the Energy Transition



Ministerio de Economía
Argentina

Secretaría de Minería

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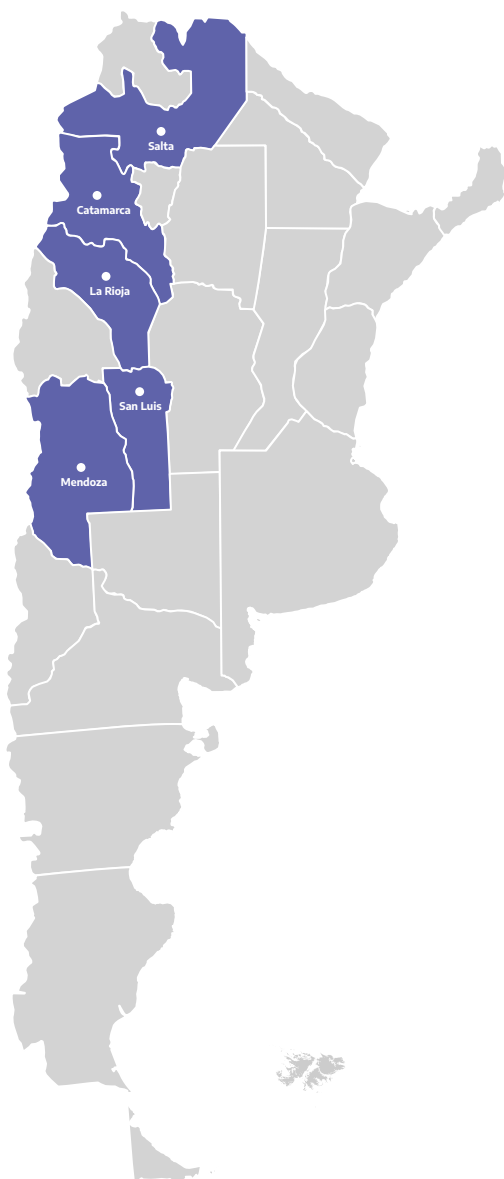
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1. COBALT



Uses in the energy transition

- Batteries
- Wind turbines
- SOFC
- Superalloys

Annual production in Argentina

None

Resources in Argentina

< 5,000 Tonnes

Provinces

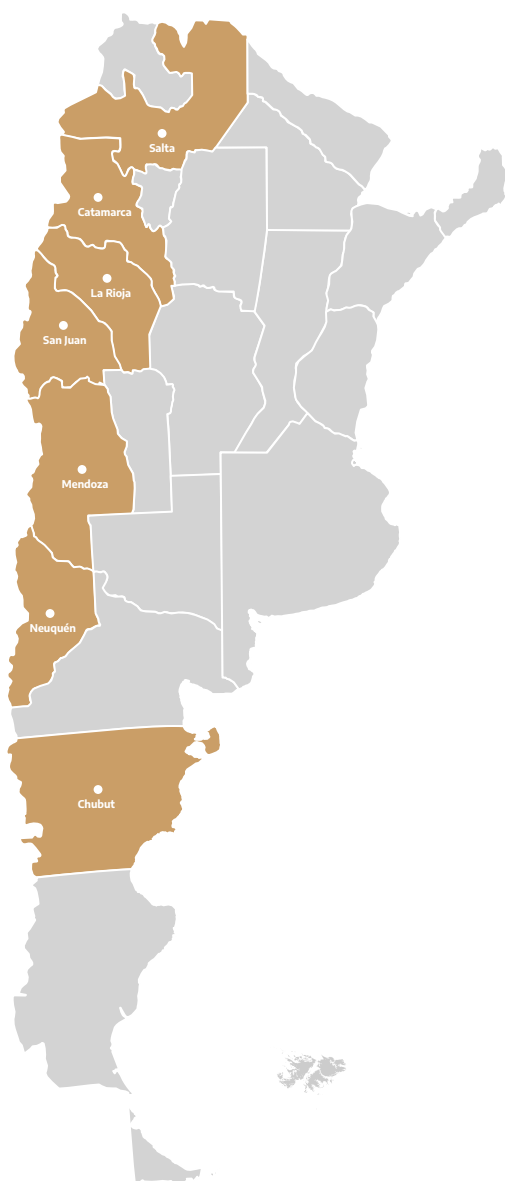
La Rioja, Salta, San Luis,
Catamarca, Mendoza

Main deposits

King Tut, La Niquelina,
Las Águilas, Fiambalá, Salamanca



2. COPPER



Uses in the energy transition

- Energy Storage
- Wind turbines
- Vehicles
- Solar energy

Annual production in Argentina

None

Resources in Argentina

75.42 tonnes

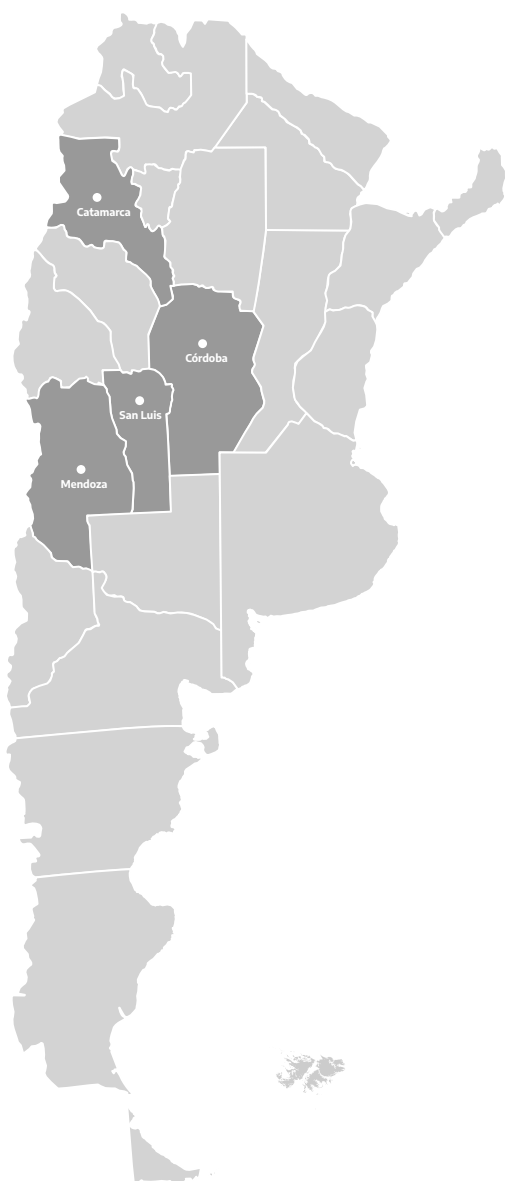
Provinces

San Juan, Catamarca, Salta,
Mendoza, La Rioja, Neuquén,
Chubut

Main deposits

MARA Project, Taca Taca,
Josemaría, Pachón, Los Azules,
San Jorge, Campana Mahuida,
Lindero, Arizaro, Paramillos
Juramento, Tordillos

3. CHROMIUM



Uses in the energy transition

- SOFC
- Wind turbines

Annual production in Argentina

None

Resources in Argentina

< 500 Tonnes

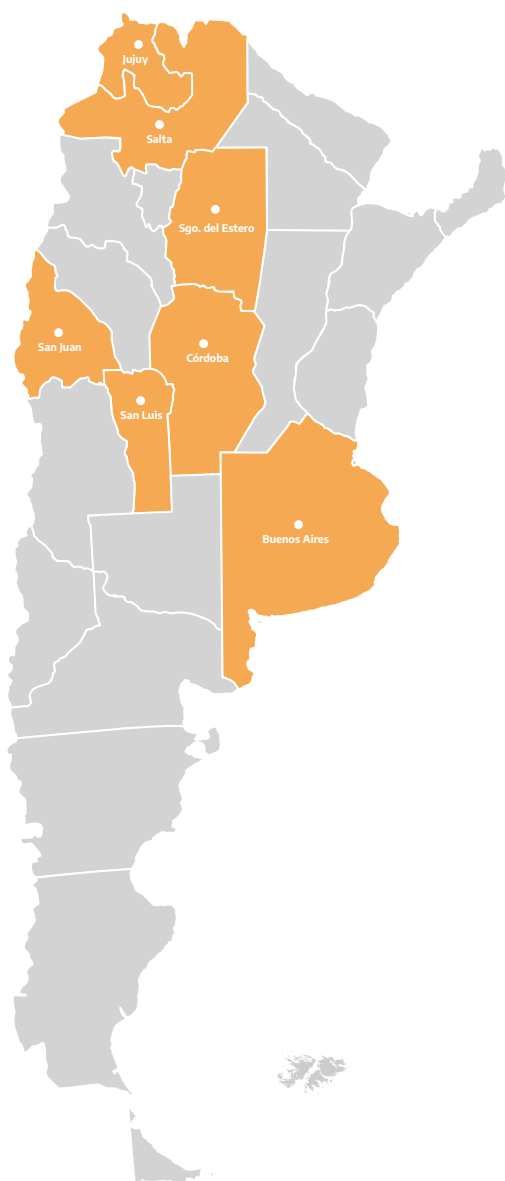
Provinces

Córdoba, San Luis, Catamarca,
Mendoza

Main deposits

Cerro San Lorenzo,
Los Permanentes, Los Guanacos,
Distrito Salamanca

4. RARE-EARTH ELEMENT



Uses in the energy transition

- SOFC
- Wind turbines

Annual production in Argentina

None

Resources in Argentina

< 500 Tonnes

Provinces

Salta, Jujuy, San Luis, Santiago del Estero, San Juan, Córdoba, Buenos Aires

Main deposits

Continental Shelf, Distrito Rangel, Isis-Osiris-, Ra, Rodeo de los Molles, Jasimampa, Valle Fértil

5. GRAPHITE



Uses in the energy transition

- Rechargeable batteries
- Polymer electrolyte membrane (PEM) fuel cells

Annual production in Argentina

None

Resources in Argentina

37,500 Tonnes

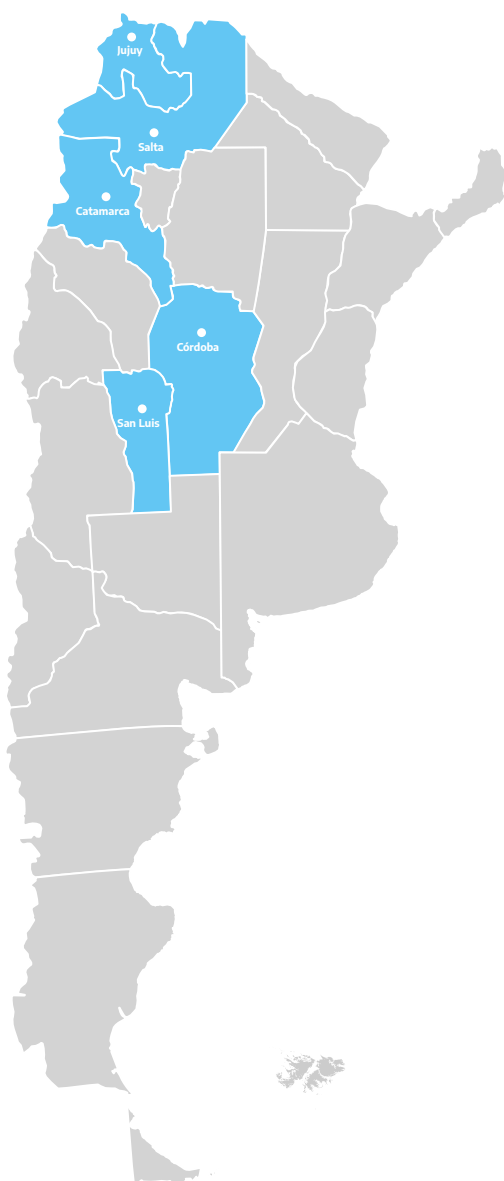
Provinces

La Rioja, San Juan, Mendoza

Main deposits

Los Dos, La Paraguaya,
Pie de Palo

6. LITHIUM



Uses in the energy transition

- Batteries

Annual production in Argentina

33,000 LCE

Resources in Argentina

20,000,000 Tn of Metallic Lithium

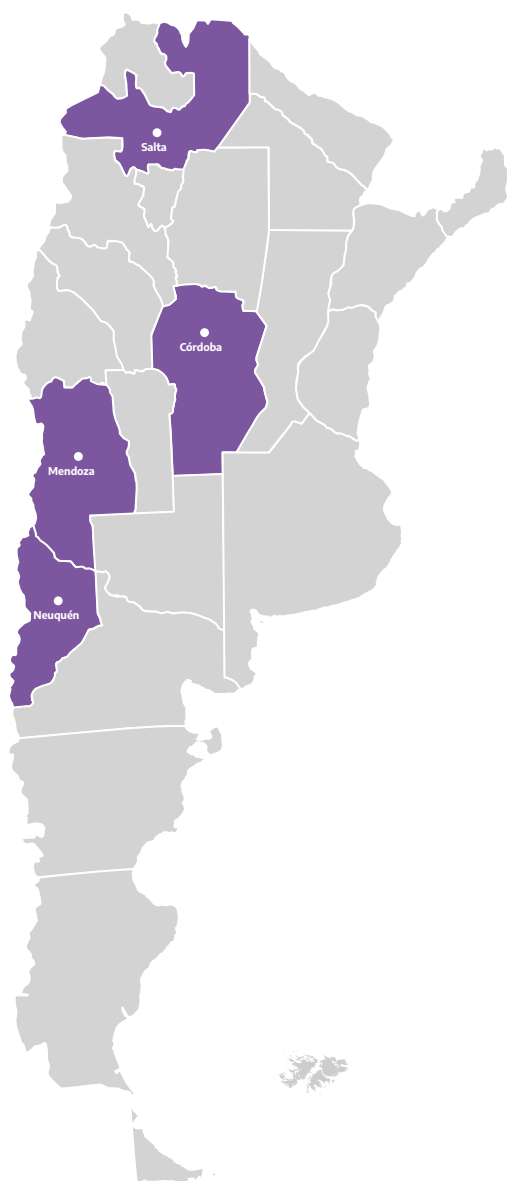
Provinces

Jujuy, Salta, Catamarca, Córdoba,
San Luis

Main deposits

Cuenca Olaroz-Cauchari,
Cuenca Hombre Muerto,
Cuenca Centenario,
Pastos Grandes, Distritos Ancasti,
Altautina, Conlara, La Estanzuela

7. MANGANESE



Uses in the energy transition

- Ferroalloys (pipes)
- Ferroalloys (automotive industry)
- Batteries (cathodes)

Annual production in Argentina

None

Resources in Argentina

440,000 Tonnes

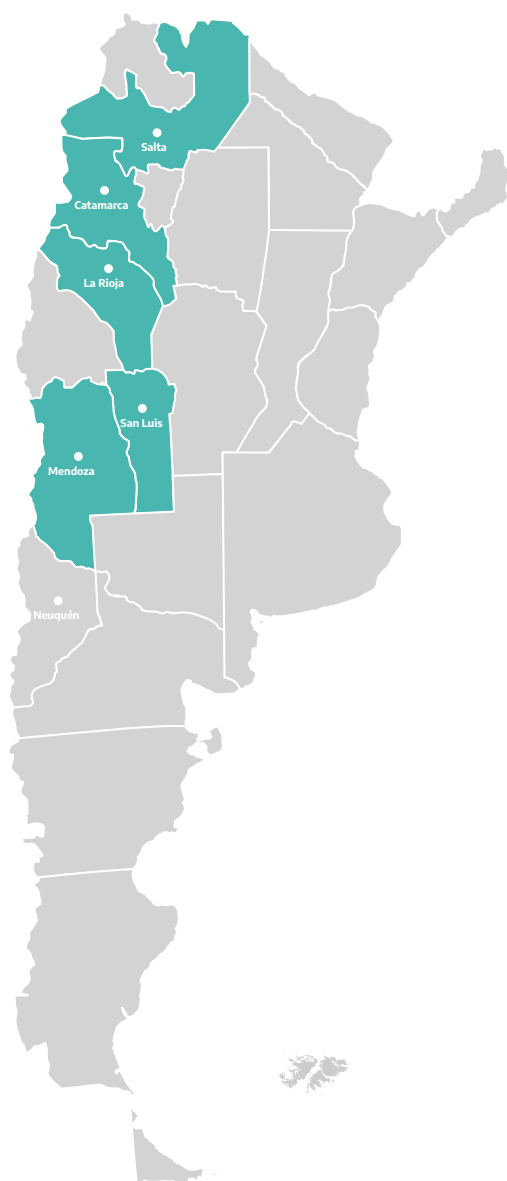
Provinces

Mendoza, Neuquén, Salta, Córdoba

Main deposits

Ethel, La Casualidad,
Cerro Remate, Tres Lomitas,
Fátima

8. NICKEL



Uses in the energy transition

- Batteries for electric vehicles
- Nickel alloys in power generation equipment
- Stainless steel pipes for CO2 capture and storage

Annual production in Argentina

None

Resources in Argentina

< 10,000 Tonnes

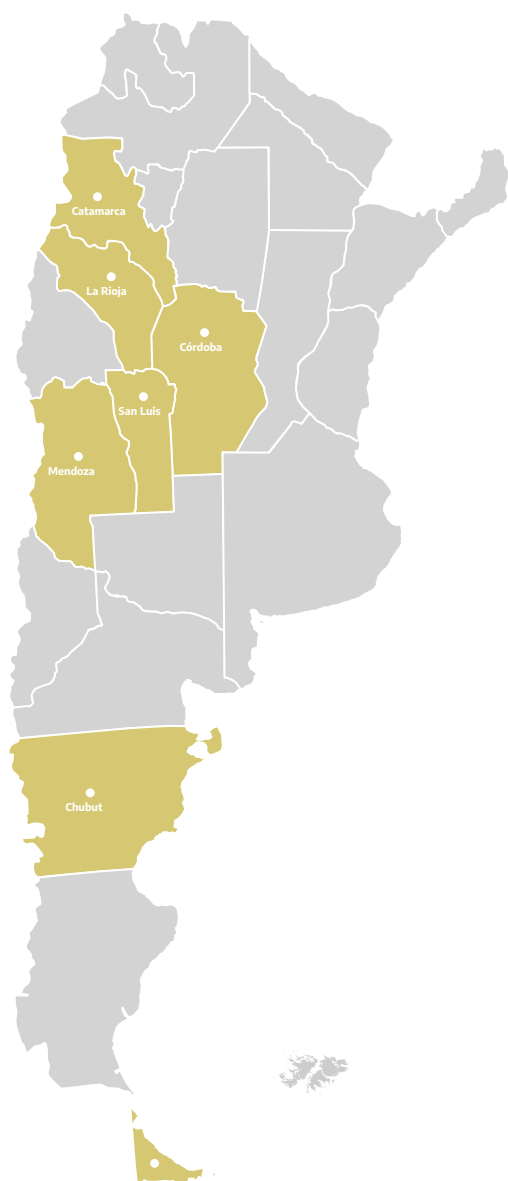
Provinces

San Luis, Catamarca, La Rioja, Salta, Mendoza

Main deposits

Las Águilas, Fiambalá, Sierra del Espinal

9. THE PLATINUM-GROUP ELEMENTS (PGE)



Uses in the energy transition

- Catalysts
- Wind turbines
- Fuel cells

Annual production in Argentina

None

Resources in Argentina

Undetermined

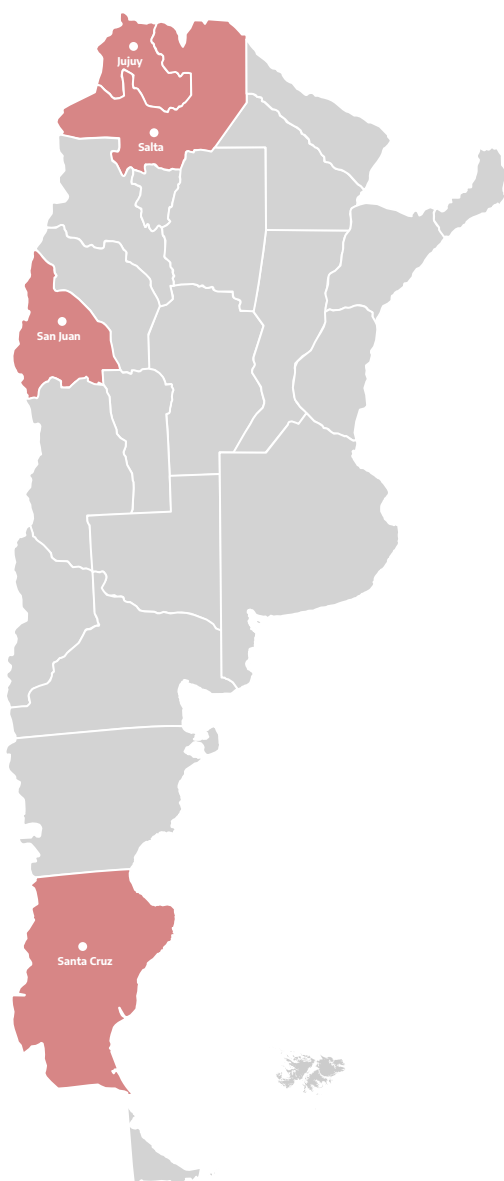
Provinces

La Rioja, Catamarca, Córdoba, San Luis, Mendoza, Chubut, Tierra del Fuego

Main deposits

Fiambalá, Umango, Las Águilas - Vioroco

10. ZINC



Uses in the energy transition

- Wind turbines

Annual production in Argentina

14,876 Tonnes

Resources in Argentina

7,000,000 Tonnes

Provinces

Jujuy, Salta, San Juan, Santa Cruz

Main deposits

Pirquitas, Aguilar



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