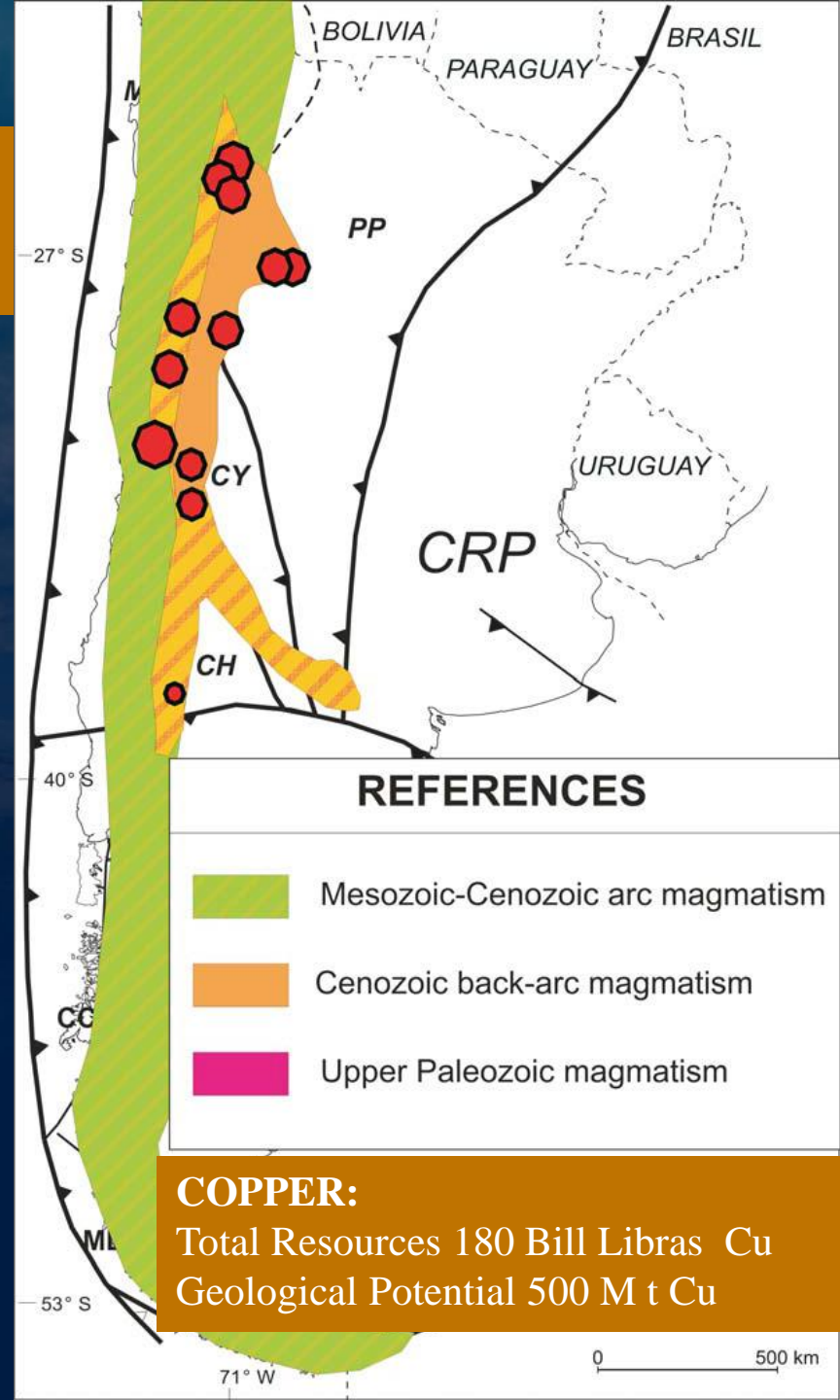
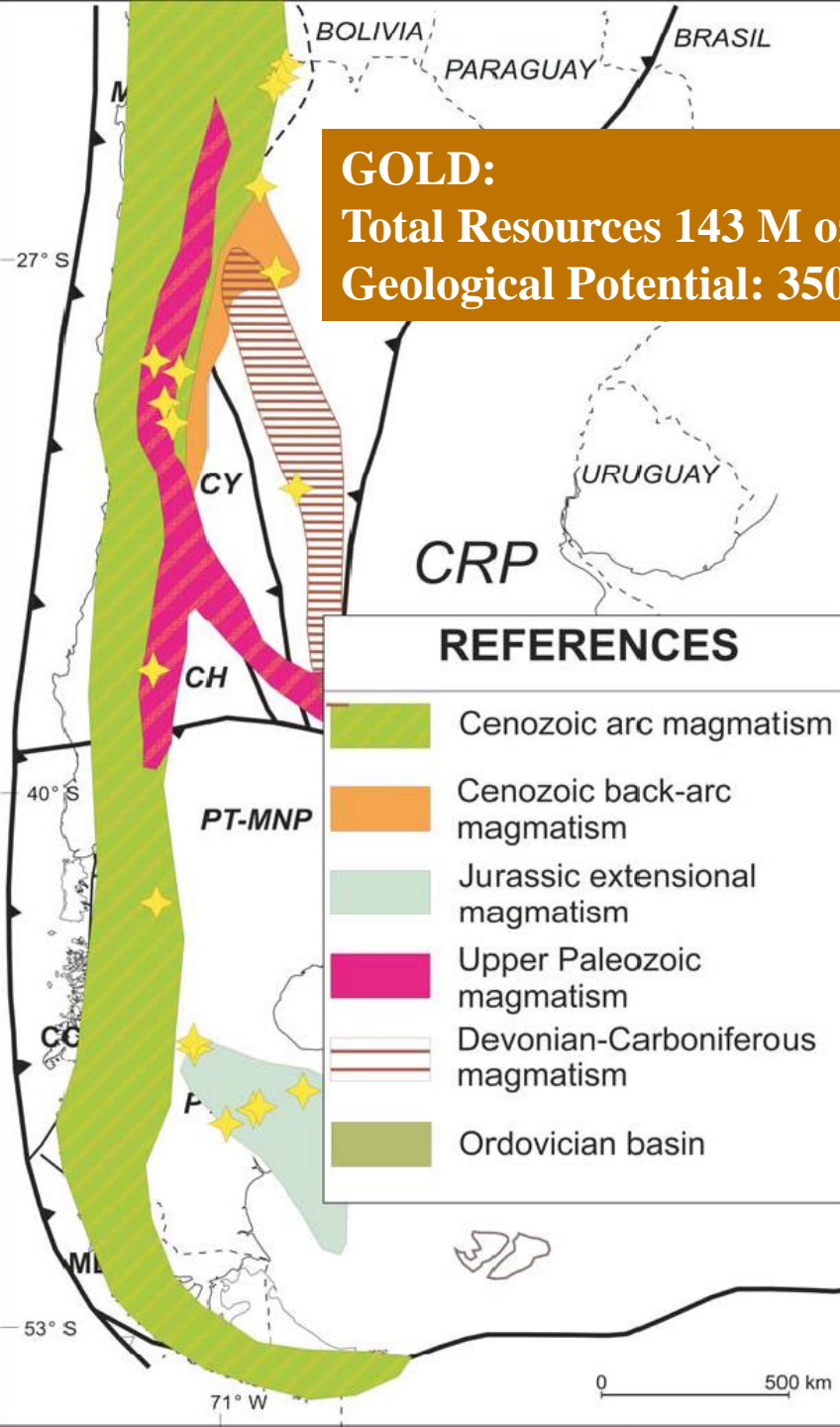
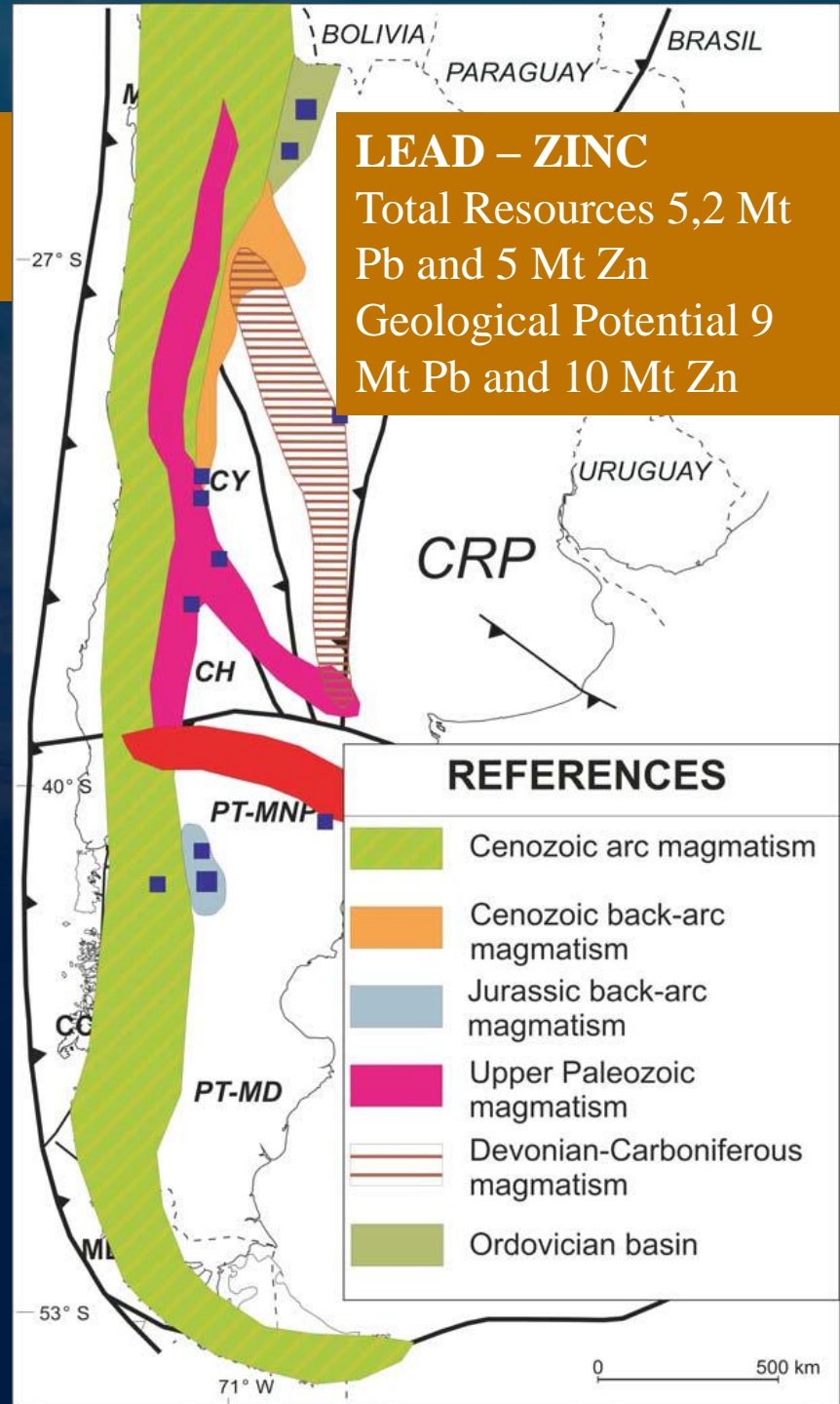
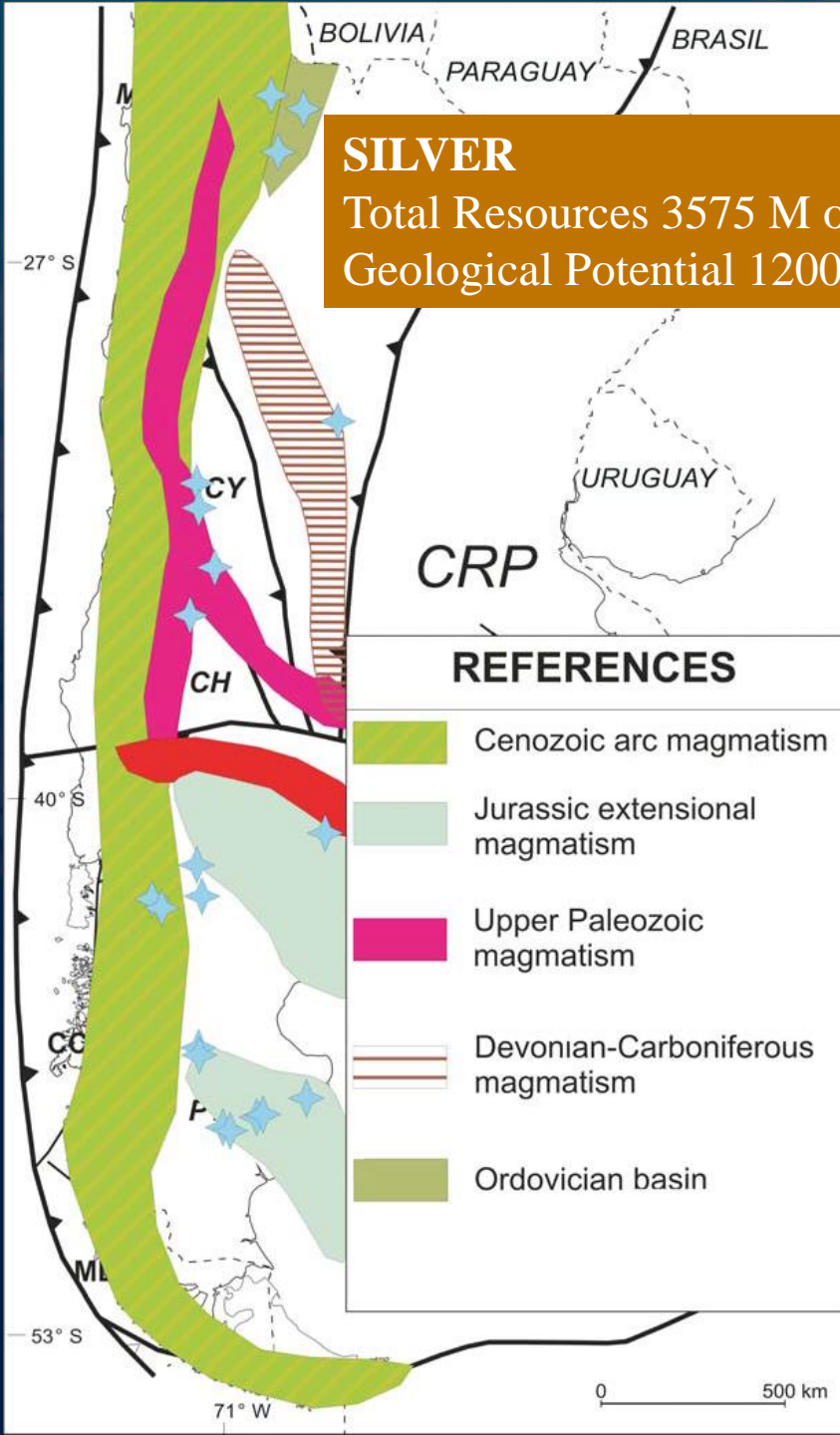


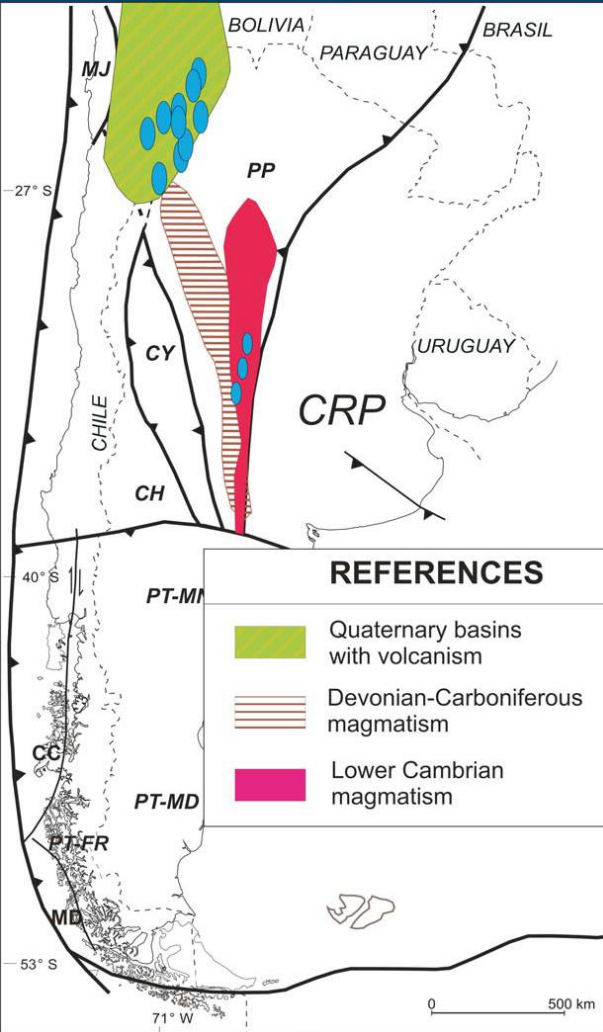
ARGENTINA: MINERAL RESOURCES FOR MINING DEVELOPMENT

EU-Latin America Dialogue on Raw Material

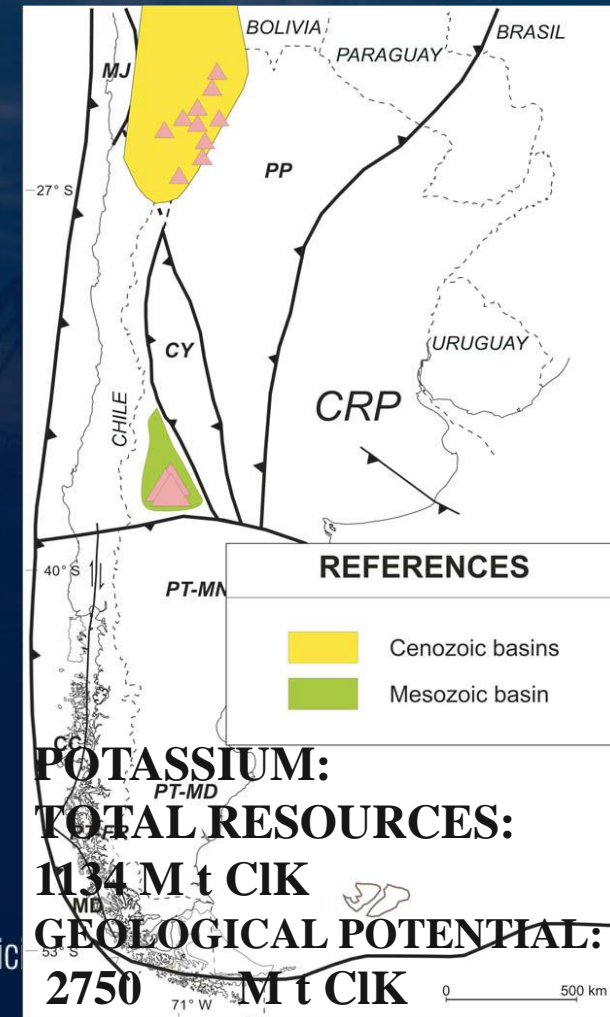
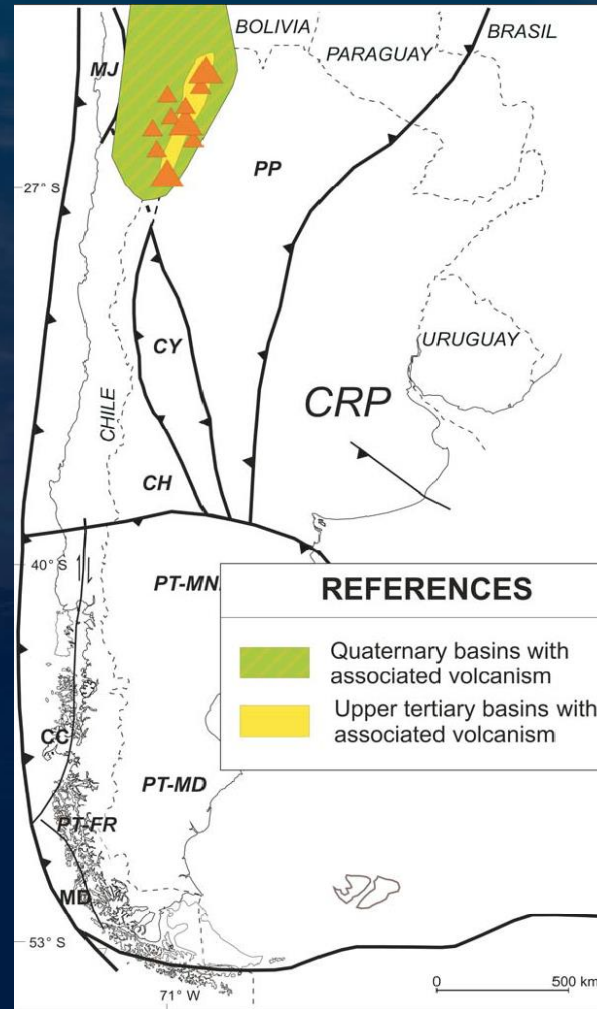
8-9th may 2017
Bs As-Argentina







LITIUM:
 TOTAL RESOURCES :55 M t Li carbonate
 GEOLOGICAL POTENTIAL: 100 M t Li carbonate



POTASSIUM:
 TOTAL RESOURCES:
 1134 M t CIK
 GEOLOGICAL POTENTIAL:
 2750 M t CIK

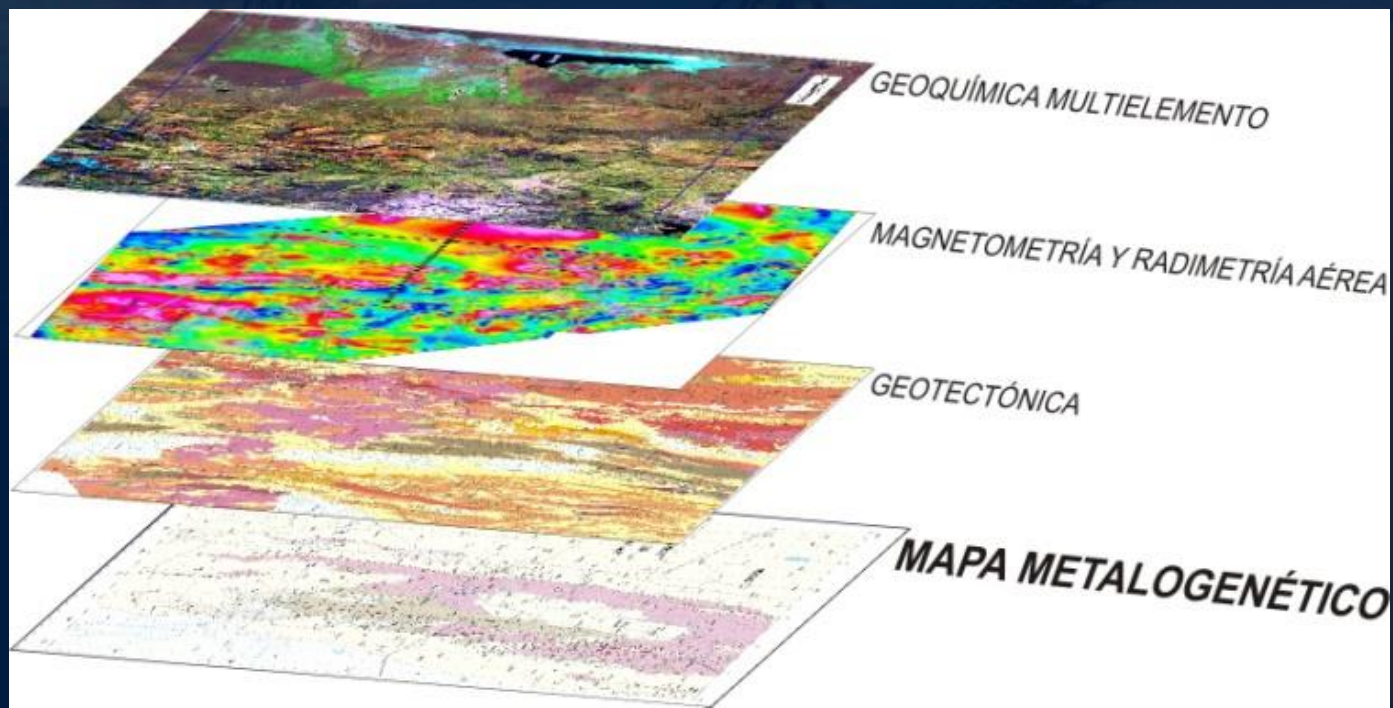
Servicio

BORATES:
 TOTAL RESOURCES
 127 M t B₂O₅
 GEOLOGICAL POTENTIAL: 250
 M t B₂O₅

ARGENTINA : GEOLOGICAL AND MINING INFORMATION AVAILABLE

Argentine Mining Geological Survey -SEGEMAR- provides scientific-technological information for mining in Argentina:

- Geochemical sampling of the national territory
- Geological information
- Mineral deposits Databases
- Magnetometry and air Radimetry
- Laboratories and Applied Research Centers



CRM Critical Raw Materials W-Sn in Argentina



**Ongoing in SEGEMAR in agreement with
JAPAN GEOLOGICAL SURVEY:**

W-Sn Prospection Program

- Review of multi-element geochemical data.
- Inventory of W-Sn mineralization associated with granitoids.
- W-Sn background determination in granitic rocks.
- Petrography, geochemistry and dating on granitoids.

Models of mineralization (Prospection Program):

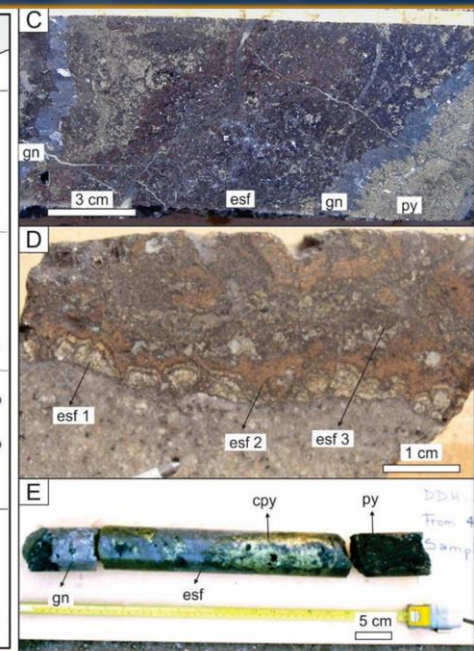
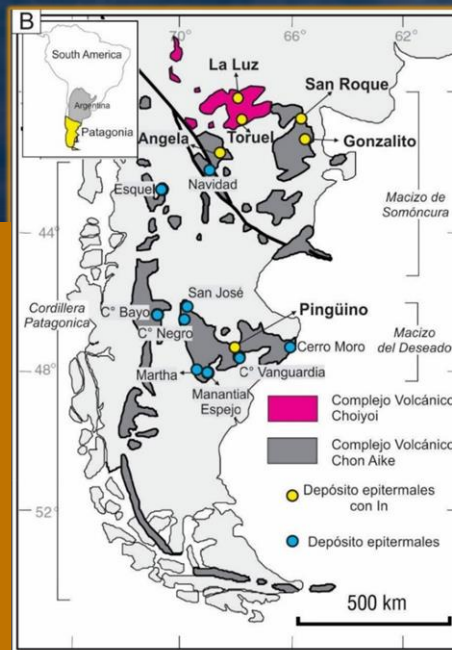
- W-Sn related to granitoids

CRM Critical Raw Materials INDIUM (In) in Argentina

Indium in Ag-Zn
ores

Projects (with advanced
exploration):

- San Roque (Zn-In-Cu-Pb) hasta 15000 ppm In.
- Pingüino (Au-Ag-In) 1000 ppm In



Model of mineralization:

epithermal, polymetallic and/or intermediate sulphide deposits in **Patagonia argentina**

CRM Critical Raw Materials REE (Rare Earth Elements) in Argentina

Ongoing in SEGEMAR in agreement with JAPAN

GEOLOGICAL SURVEY:

REE Prospection Program

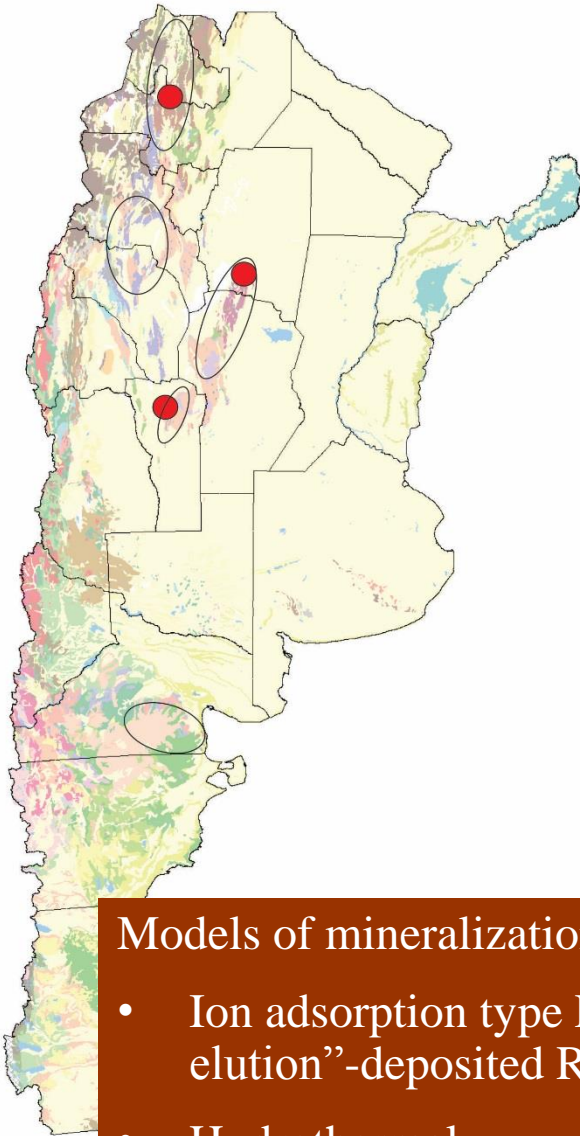
- Review of multi-element geochemical data.
- Review of geophysical data.
- Inventory of Rare Earths mineralization associated with alkaline magmatism.
- REE background determination in granitic rocks.

Models of mineralization (Prospection Program):

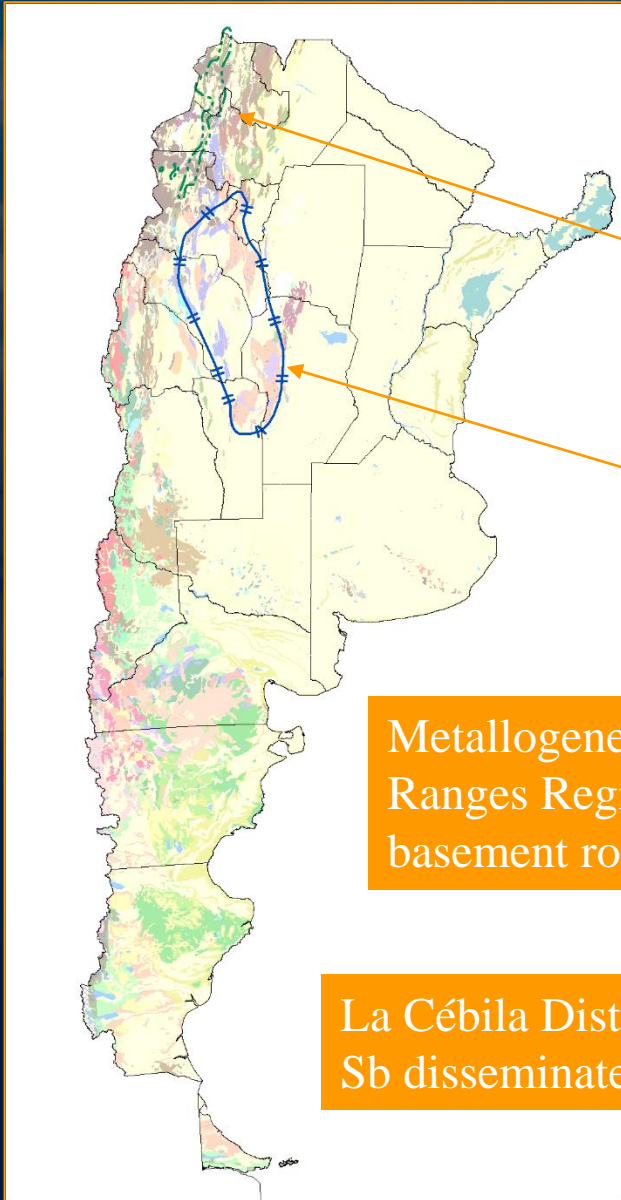
- Ion adsorption type REO (“wheathered crust elution”-deposited REE ore)
- Hydrothermal
- Alcaline Magmatism
- Pegmatites

REE mineralizations:

- RANGEL (5 Mt with 0,5 % REE)
- JASIMAMPA
- RODEO DE LOS MOLLES (1-2 % TREO)
- Others not evaluated



CRM Critical Raw Materials ANTIMONY (Sb) In Argentina



**Metallogenetic Belt in Puna
Region : Sb (\pm Au) deposits
hosted in ordovician sediments**

**Pabellón mine and others mineral
deposits at Sierra de Rinconada
(Jujuy province): old mines partially
mined by Sb and Au**

**Metallogenetic Belt in Pampean
Ranges Region with Sb veins into
basement rocks near faults**

**La Cébila District: Sb veins;
Sb disseminated ?**



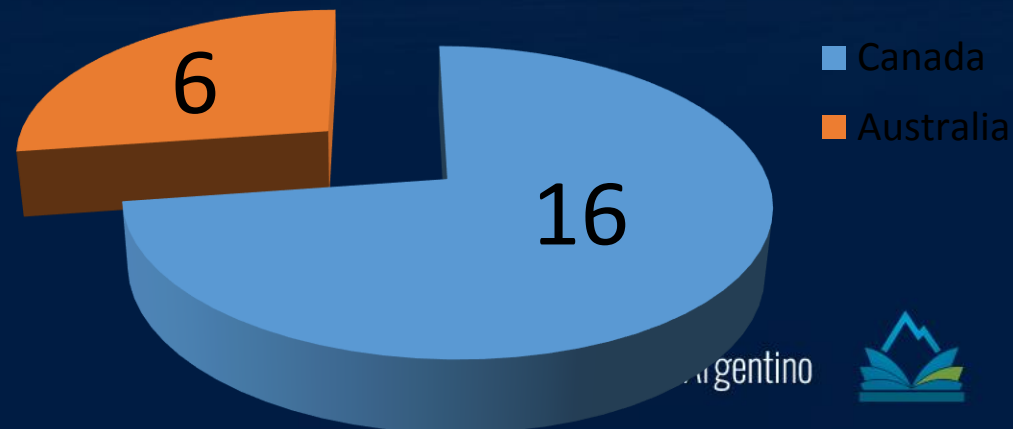
Industrial Minerals and Rocks in Argentina

- Carbonates
- Fluorspar
- Dimensional rocks
- Marbles
- Clays
- Bentonites
- Gypsum
- Quartz high quality

EMPRESAS INSTALADAS EN 2016

EMPRESA	COMMODITY	Provincia	PAIS
Albemarle International	Litio	Catamarca	USA
PepinNin Minerals Ltd	Litio	Salta	Australia
Goldinka.	Litio	La Rioja	Australia
Everlight Resources	Litio	Salta	Australia
Neo Lithium Ltd	Litio	Catamarca	Canadá
Fortuna Silver	Oro Cobre	Salta	Canadá
Regent Resources	Litio	Catamarca	Canadá
Advantage Lithium	Litio	Salta	Canadá
Filo Mining	Cobre Oro	San Juan	Canadá
Millennial Lithium	Litio	Salta	Canadá
Southern Lithium	Litio	Salta	Canadá
Ganfeng	Litio	Salta	Canadá
SQM	Litio	Jujuy	Canadá
Argentina Lithium	Litio	Salta	Canadá
Trident	Oro	Neuquén	Australia
First Quantum	Oro Cobre	Salta	Canadá
Huayra Minerals Corp.	Oro - Plata	Salta	Canadá
Lithium X	Litio	Salta	Canadá
Lithium S	Litio	Jujuy	Canadá
Alba Minerals	Litio	Salta	Canadá
Trans Pacific Minerals Corp	Litio	La Rioja	Australia
Southern Lithium	Litio	Salta	Canada
Dark Horse	Carbón - Litio	R. Negro- Córdoba, San Luis	Australia

**CRM and Argentina
Mining Resources:
Lithium Example-
News Companies
arriving
to Argentina.**



¡UN NUEVO SEGEMAR!

ESPÍRITU DE LA MINERÍA ARGENTINA

**¡MUCHAS GRACIAS POR SU ATENCIÓN Y
PRESENCIA!**

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Servicio Geológico Minero Argentino

