# ARGENTINA:
# MINING FRAMEWORK AND CHALLENGES

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Ministry of Energy & Mines

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# REGIONAL IMBALANCE

## BUENOS AIRES AND CENTRAL AREA (*)

- 18% Covered area
- 69.3% GDP
- 71.8% Total Exports
- 78.6% Food & Agricultural Exports
- 82.3% Manufactured good Exports
- 58% Commodity Exports
- 65% Total Population
- 68%Active Population
- 20% Mining Production

(*) Buenos Aires, Córdoba, Santa Fe, Entre Ríos, City of Buenos Aires

POPULATION DENSITY AND RAILWAY NETWORK

# ARGENTINE SCENARIO 2015

# ARGENTINE SCENARIO FOR 2016

## FIRST 100 DAYS IN OFFICE

# ARGENTINA MINING 2016

| | |
|---|---|
| **1 - Mining companies with prospects in the development phase** | **157 (42 active)** |
| A- International Companies (85%) | 133 (36 active) |
| B- Local Companies (15%) | 24 (6 active) |

| | | |
|---|---|---|
| **2 - Mining prospects in the development phase** | **435** | |
| A-Prospection stage | 46,25 % | **90,5%** |
| B-Initial exploration stage | 36,25 % | |
| C-Mid–advanced exploration stage | 8,00 % | |
| D-Prefeasibility / Feasibility | 5,70 % | **9,5%** |
| E-Development / Production | 3,80 % | |

## 3 - STAGES OF THE MINING BUSINESS

ARGENTINA
COLOMBIA

CHILE
PERU
BRAZIL
MEXICO

Prospection
Initial Exploration
Advanced Exploration
Project Feasibility
(reserves)

Construction
Operation / Production

# ARGENTINA MINING 2016

## THE ARGENTINE MINING INDUSTRY

**IN JUST 20 YEARS, ARGENTINA BECAME A MAJOR PLAYER IN THE GLOBAL MINING INDUSTRY**

### WORLD RANKING

### LATIN AMERICAN RANKING

# FRAMEWORK FOR ARGENTINE MINING POLICIES

# GEOLOGICAL POTENTIAL

## MINING POTENTIAL

| PROVINCE | MINING RIGHTS GRANTED | AREAS WITH HIGH MINING POTENTIAL |
|---|---|---|
| JUJUY | 9.600 km² | > 30.000 km² |
| SALTA | 5.000 km² | > 65.000 km² |
| CATAMARCA | 12.000 km² | > 75.000 km² |
| LA RIOJA | 13.450 km² | > 50.000 km² |
| SAN JUAN | 32.600 km² | > 60.000 km² |
| CORDOBA | 3.400 km² | > 40.000 km² |
| MENDOZA | 56.000 km² | > 75.000 km² |
| SAN LUIS | 2.200 km² | > 25.000 km² |
| NEUQUEN | 17.000 km² | > 50.000 km² |
| RIO NEGRO | 7.000 km² | > 70.000 km² |
| CHUBUT | 8.000 km² | > 75.000 km² |
| SANTA CRUZ | 15.070 km² | > 75.000 km² |
| TIERRA DEL FUEGO | 1.600 km² | > 10.000 km² |
| OTHER PROV. | ... | > 50.000 km² |
| TOTAL | 183.000 km² | > 750.000 km² |

High potential area pending exploration: 75%

## KEY EXPLORATION AREAS

**AREA 1** Santa Cruz

**AREA 2** Río Negro & Chubut

**AREA 3** Neuquén & Mendoza

**AREA 4** Mendoza, San Juan & La Rioja

**AREA 5** La Rioja & Catamarca

**AREA 6** Catamarca, Salta & Jujuy

**REQUIRED EXPLORATION INVESTMENT: USD 400 MILLION/YEAR**

# GEOLOGICAL POTENTIAL

## ARGENTINE – CHILEAN AREAS WITH COMMON MINING POTENTIAL

### MAP KEY

- 1 - **FE:** El Laco - Hierro en Salta
- 2 - **CU:** La Escondida - Samenta/Taca-Taca
- 3 - **AU:** Faja de Maricunga - Valle Ancho
- 4 - **AU:** Faja de El Indio. Pascua-Lama/Los Helados
- 5 - **CU:** Pelambres - Pachón
- 6 - **CU:** Faja Cuprífera Elisa
- 7 - **Coal:** Río Turbio

Gas pipes: Norandino, Cuenca Noroeste, Gasandes, Pacífico, Methanex (3)

National Route 40

Border crossings

Lithium Triangle

# CHALLENGES FOR ARGENTINE MINING POLICIES

SUITABLE AND STABLE PUBLIC POLICIES TO ENSURE THE DEVELOPMENT OF THE MINING INDUSTRY

TRUST

ONGOING AND RESPONSIBLE MINING INVESTMENT

# CHALLENGES FOR ARGENTINE MINING POLICIES

## ORGANIZATIONAL RELATIONSHIP (BUSINESS – GOV´T – TRADE UNIONS)

| BUSINESS | GOVERNMENT | TRADE UNIONS |
| --- | --- | --- |
| Federal mining chambers and suppliers associations | Coordinated federal and provincial mining and environmental policies: **COFEMIN – COFEMA** | Argentine Mining Union: AOMA |

# CHALLENGES FOR ARGENTINE MINING POLICIES

## ARGENTINE MINING INDUSTRY: THE CYCLE OF RESPONSIBLE DEVELOPMENT

GOV´T SUPPORT AS FROM PROJECT INCEPTION

PREVENTIVE: ENVIRONMENTAL AND SOCIAL RESPONSIBILITY FUND FUNDING: 1% MINING EXPORTS

# REGIONAL BALANCE DUE TO MINING

1990

**Production value:**
**USD 510M**
**Export value:**
**USD 30M**

2030

**Production value:**
**up to USD 13 billion**
**Export value:**
**up to USD 12 billion**

THANK YOU VERY MUCH