

**“ARGENTINA, A COUNTRY WITH POTENCIAL
FOR INDUSTRY”**

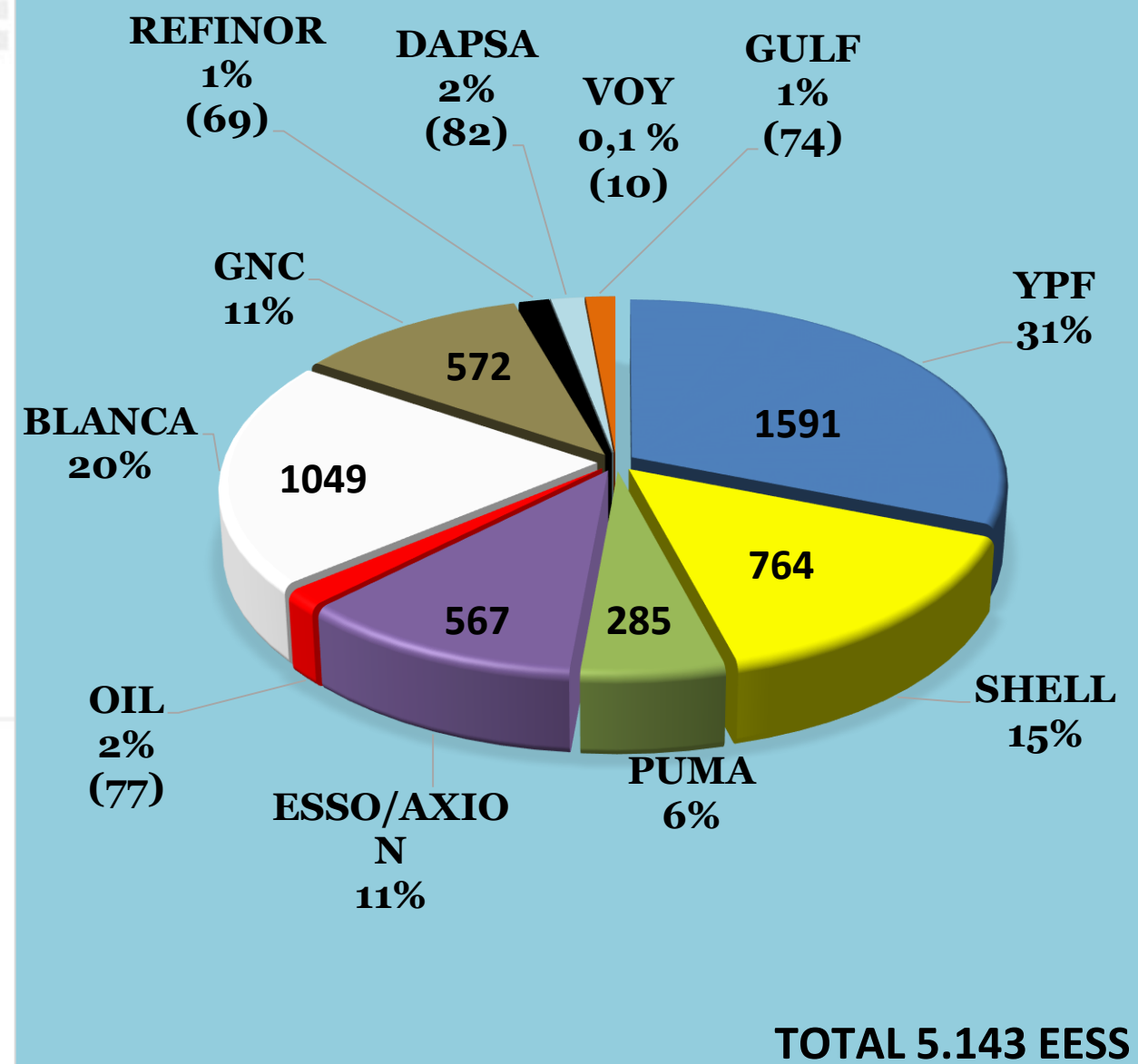
CARLOS GOLD

FORMER PRESIDENT OF CECHA ARGENTINA

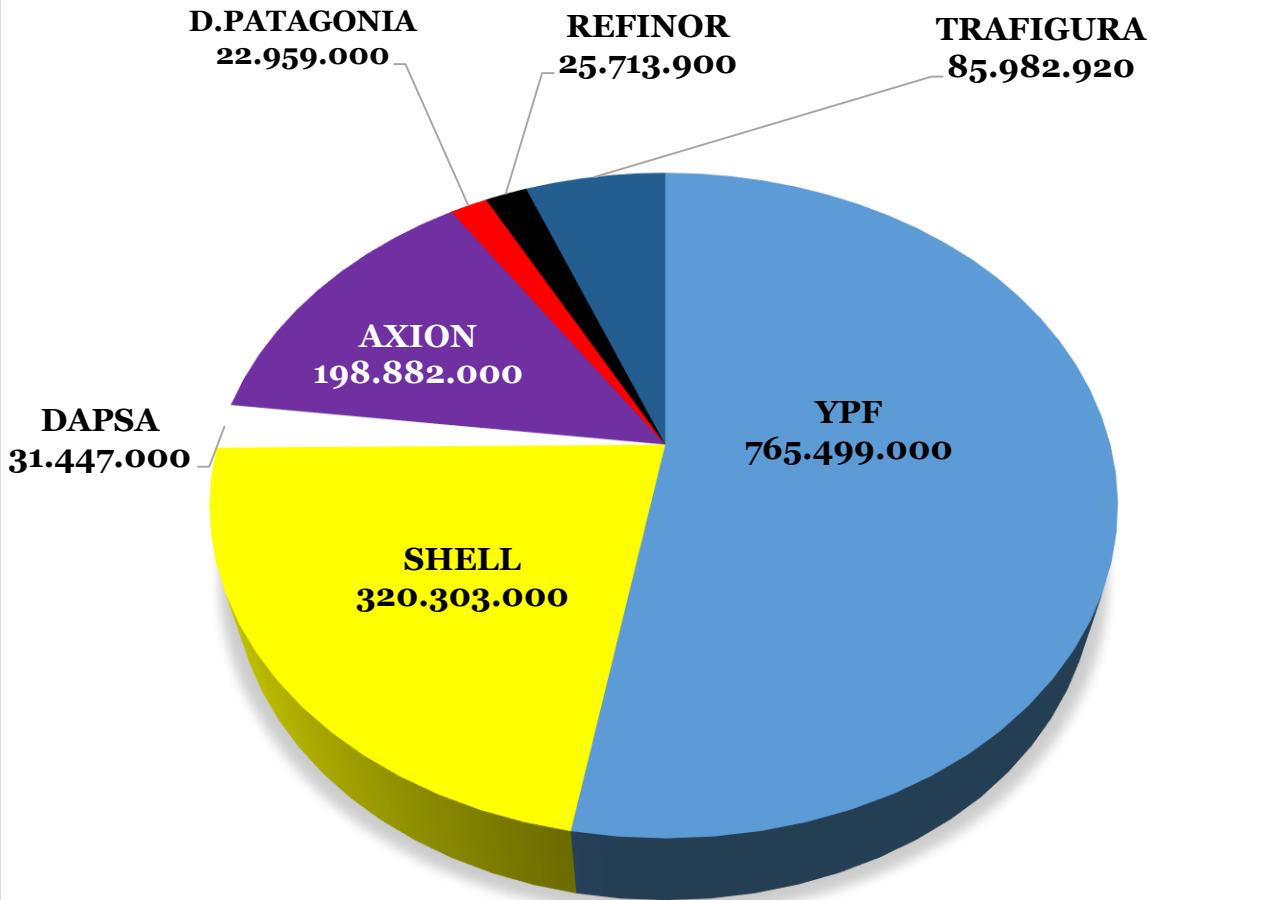




EESS BY BRANDS

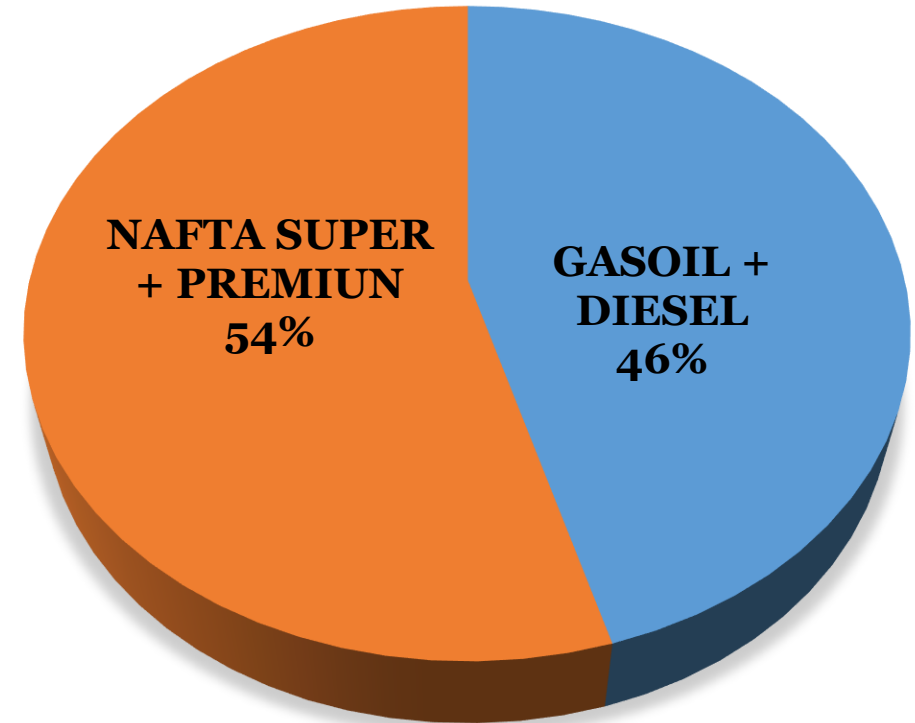


COMMERCIALIZATION EESS BY OIL COMPANY MONTHLY LITERS



■ YPF ■ SHELL ■ DAPSA ■ PAE ■ DELTA PATAGONIA ■ REFINOR ■ TRAFIGURA

COMMERCIALIZATION EESS NAFTA/DIESEL SHARE



■ GASOIL + DIESEL ■ NAFTA SUPER + PREMIUN

ARGENTINE REPUBLIC

C.A.B.A. PRICE U\$/LITERS ACCORDING TO BRAND

PRODUCT	Gasoil	Premium Diesel	Nafta Súper	Nafta Premium
BANDERA	GG2	GG3	NG2	NG3
YPF	USD 0,49	USD 0,61	USD 0,52	USD 0,63
SHELL	USD 0,51	USD 0,62	USD 0,53	USD 0,64
PUMA	USD 0,50	USD 0,62	USD 0,52	USD 0,63
AXION	USD 0,52	USD 0,62	USD 0,53	USD 0,64

"DOLLAR BLUE" EXCHANGE RATE : \$210

ARGENTINE REPUBLIC

- **Area: 3.761.274 km²**
- **Number of inhabitants: 40.117.096.**
- **Density: 10,7 hab./Km². (Census 2010)**
- **Census in progress: Aprox. 45 millions inhab.**
- **Capital: Ciudad Autónoma de Buenos Aires.**
- **Official language: Spanish.**
- **Monetary unit: peso.**
- **Official hour: GMT -3h (three hours less than Greenwich).**
- **Internet domain: .ar**

ARGENTINE REPUBLIC

Productive activities

- **Agriculture**

Pioneer in direct seeding and incorporation of biotechnology.

- **Cattle Raising**

Optimum health condition and supply of excellent quality meat.

- **Fishing**

Extensive maritime coastline, inland waters and aquaculture.

- **Industry**

Five poles: Paraná- Plata, Centro, NEA, NOA y Patagonia.



ARGENTINE REPUBLIC.

Productive activities

- **Energy and mining**

Important wealth in energy and mining resources.

- **Turism**

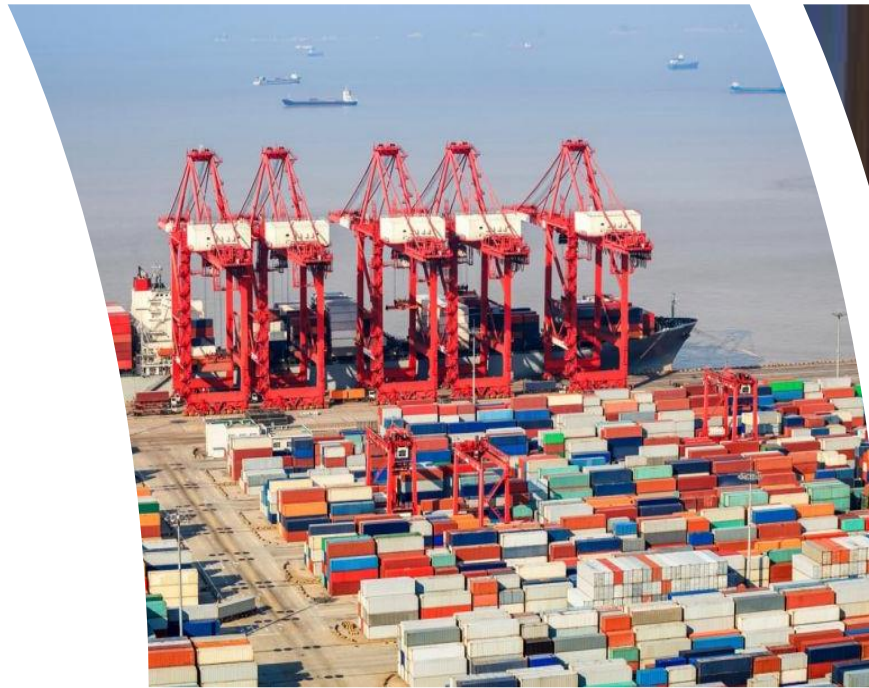
For offer and infrastructure, Argentina is one of the most visited countries in South America.

- **Services**

A sector with strong and sustained year-on-year growth.

- **Foreign trade**

44th place in the world ranking of exporting countries with 77,934 million U\$S in 2021.



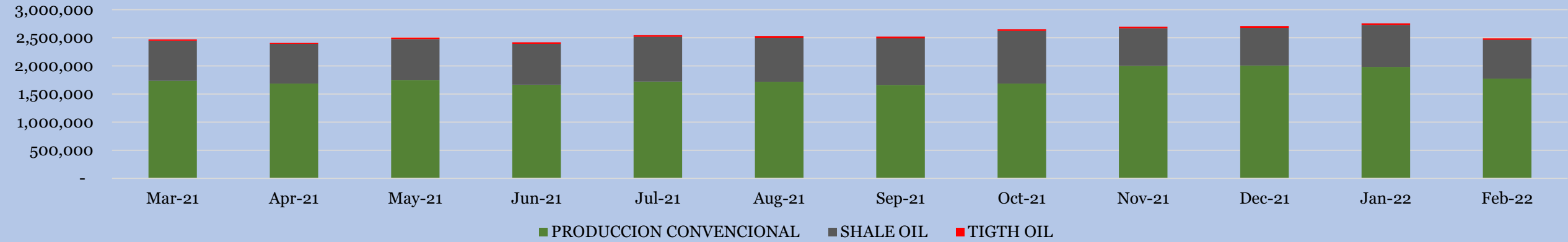
ARGENTINE REPUBLIC.

Production of oil and gas

- The **hydrocarbon activity** is central to its growth. It generates jobs, more SMEs and more development of regional economies.
- In **January 2022**, the total oil production had reached **570 thousand barrels per day**, and the highest in history was **850 thousand bpd** in 1998.
- There is potential to reach 1 million bpd.
- During **January 2022**, the **total gas** production was **129.92 million m3/day** and the highest in history was **143.42 million m3/day** in 2004.

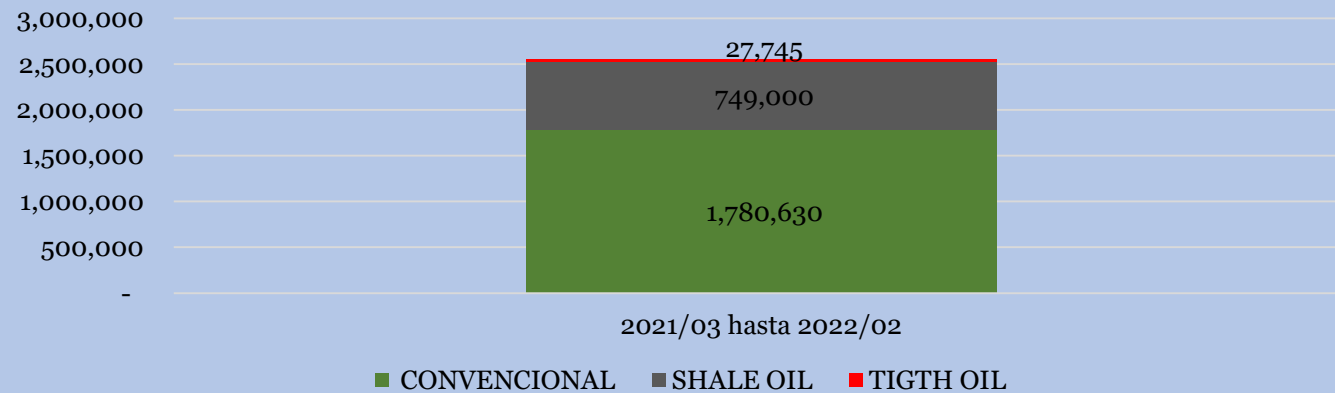


LAST 12 MONTHS PRODUCTION OF CONVENTIONAL OIL AND UNCONVENTIONAL m3

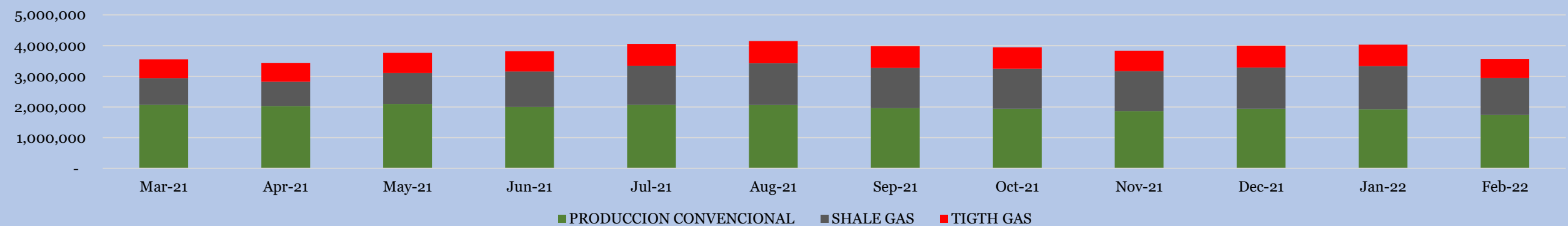


mar-21	apr-21	may-21	jun-21	jul-21	aug-21	sep-21	oct-21	nov-21	dic-21	jan-22	feb-22
1.733.513	1.685.041	1.746.760	1.663.521	1.718.582	1.718.341	1.658.817	1.684.476	1.997.422	2.005.078	1.981.514	1.774.493
712.378	703.233	728.512	725.656	796.092	778.854	830.569	937.889	668.325	670.886	745.962	689.638
23.668	23.451	25.339	26.681	29.562	31.353	28.432	28.174	31.286	31.405	28.945	24.639

MONTHLY AVERAGE PRODUCTION OF CONVENTIONAL OIL AND UNCONVENTIONAL m3

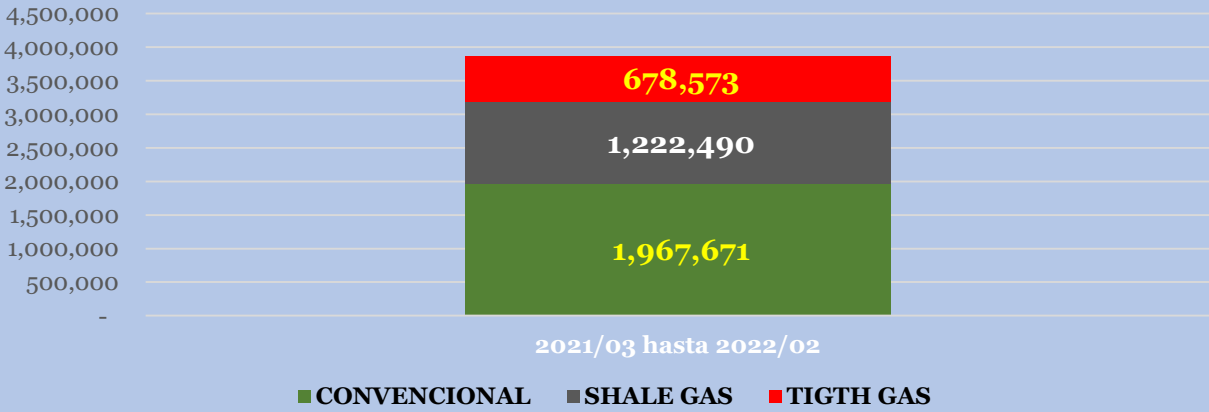


LAST 12 MONTHS PRODUCTION OF CONVENTIONAL GAS
AND UNCONVENTIONAL MMm3



mar-21	abr-21	may-21	jun-21	jul-21	ago-21	sep-21	oct-21	nov-21	dic-21	ene-22	feb-22
2.071.332	2.033.794	2.100.450	2.000.204	2.069.687	2.062.894	1.957.884	1.944.085	1.866.881	1.940.353	1.926.760	1.740.732
858.749	785.989	1.000.476	1.153.924	1.277.502	1.361.766	1.316.750	1.303.016	1.304.223	1.343.656	1.403.785	1.198.619
621.757	608.651	659.861	658.818	707.209	722.427	707.275	698.767	666.287	711.786	698.050	625.529

MONTHLY AVERAGE PRODUCTION OF CONVENTIONAL GAS
AND UNCONVENTIONAL Mm3



ARGENTINE REPUBLIC. PLAN GAS AR - OBJECTIVES

Through decree 892/2020, the national government launched the Gas.Ar Plan, an initiative whose objectives are:

- Produce 30,000 million cubic meters of Argentine gas in four years
- Generate tax savings of 2,500 million dollars
- 9,200 million savings in foreign currency.
- Satisfy internal demand with Argentinian Gas.
- Generate development in the producing regions of both its SMEs and Regional Companies as well as the rest of the National Industry and Technology.



ARGENTINE REPUBLIC. PLAN GAS AR – OBJECTIVES

- Reverse the decline in production, with the substitution of more than 18,000 MMm3 of gas and imported work, having surpluses and exporting them.
- Replace imports of Liquefied Natural Gas (LNG) and consumption of liquid fuels
- Generate long-term certainty in the production and distribution sectors.
- Investment of the Production Companies will be equivalent to USD 5,000 MM.
- Give predictability of price and contractual term to producers.



ARGENTINE REPUBLIC. VACA MUERTA

Vaca Muerta is the main hydrocarbon formation in Argentina.

Located in the Neuquén basin, it occupies an area of 36,000 km², a bit smaller than the territory occupied by Switzerland or the Netherlands.

Estimated existence: 16.22 billion barrels of oil and gas reserves of 308 billions of cubic feet (TCF) = 22.500 million barrels of oil equivalent (BEP).

It is the world's second proven shale gas reserve, and the world's fourth unconventional oil reserve.



ARGENTINE REPUBLIC. Unconventional Production

EL NUEVO MAPA DE LA ENERGÍA MUNDIAL



Ránking de países con reservas de petróleo no convencional

		Miles de millones de barriles
1	Rusia	75
2	EEUU	58
3	China	32
4	Argentina	27
5	Libia	26
6	Venezuela	13
7	México	13
8	Pakistán	9
9	Canadá	9
10	Indonesia	8
Total Mundial		345

Ránking de países con reservas de gas pizarra

		Billones de pies cúbicos
1	China	1.115
2	Argentina	802
3	Argelia	707
4	EEUU	665
5	Canadá	573
6	México	545
7	Australia	437
8	Sudáfrica	390
9	Rusia	285
10	Brasil	245
Total Mundial		7.299

ARGENTINE REPUBLIC . VACA MUERTA

It is one of the four countries worldwide that use this unconventional technique of hydrocarbon exploitation along with the United States, Canada and China.

The interest of local and international companies of investing in oil and gas with unconventional exploitation techniques is very significant given the high potential it has.

The development of shale gas and shale oil requires hiring drilling equipment, gas pipelines, oil pipelines and a large number of goods and services.



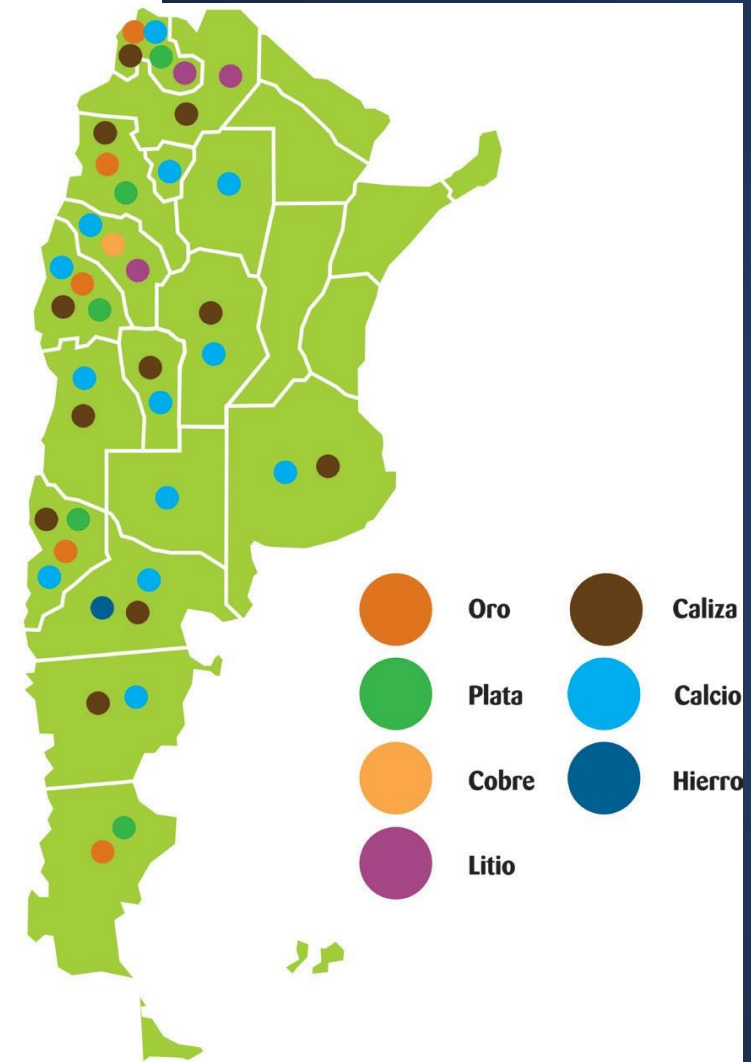
ARGENTINE REPUBLIC - MINING

- The provinces attached to the Andes mountain range are the great beneficiaries along the 4,500 km.
- The construction of the Jose María Project in the Province of San Juan, investment of the firm Lundin Mining, constitutes the most important mining announcement in recent decades, with
 - \$4.2 billion.
- San Juan leads the ranking of investment announcements, with 55.6% of the total.



ARGENTINE REPUBLIC - MINING

- Produced minerals :
- Metalliferous: Iron, lead, zinc, tin, aluminum, copper, molybdenum, silver and gold.
- Non-metalliferous: limestone, sand, slate, clay, common salt, gypsum, potassium salts, lithium salts and borates, fluorite, barite, bentonites, semi-precious stones.
- Rocks of application: Porphyries —cobblestones, tiles— , flagstones, marbles —pink, white, travertine, onyx type, black and others.



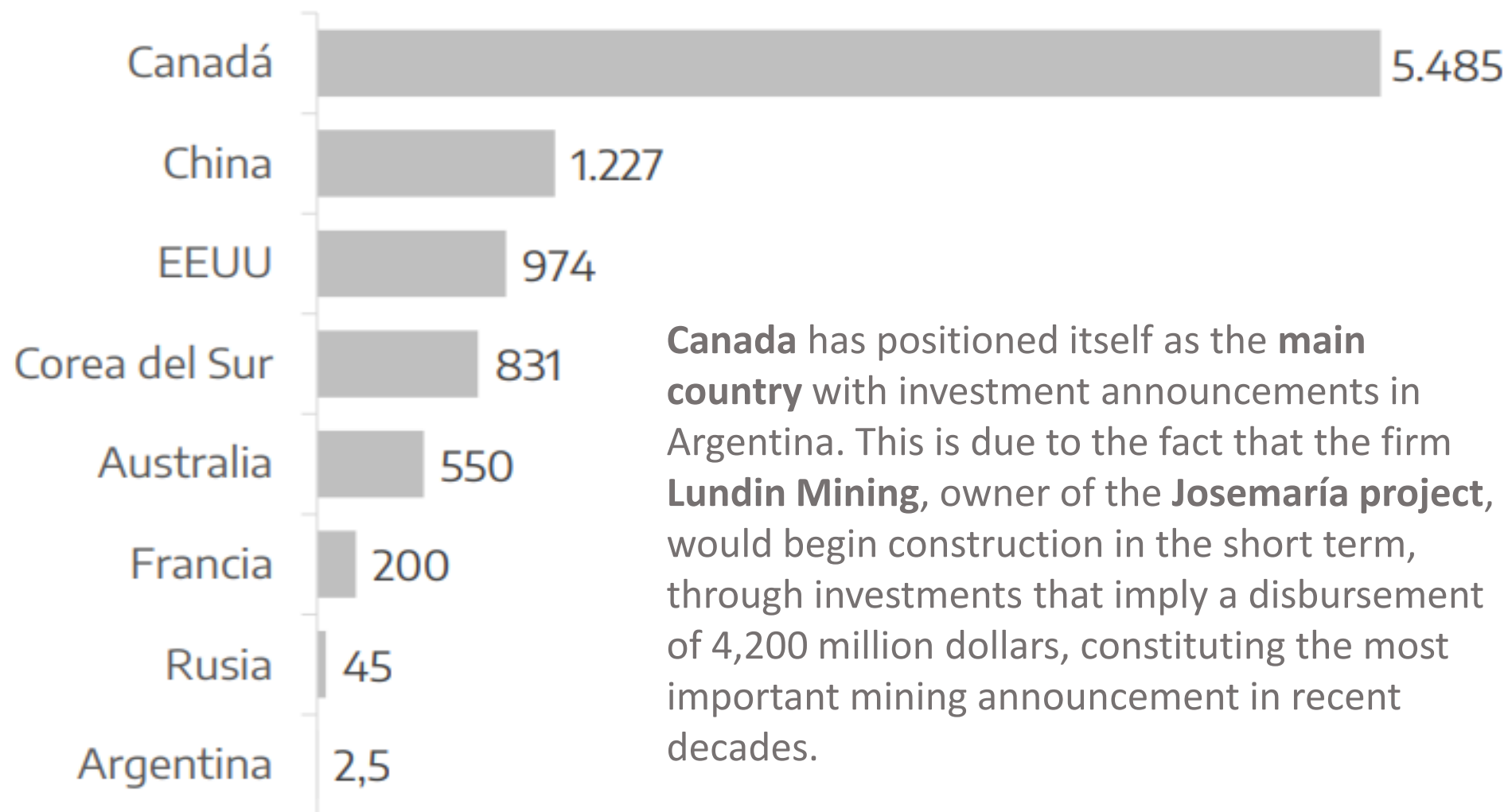
Mining in Argentina

Investment announcements in the last two years - 2020/2021

US\$9,314.36
MILLION

Investment ad ranking

According to origin of investments - in millions of dollars



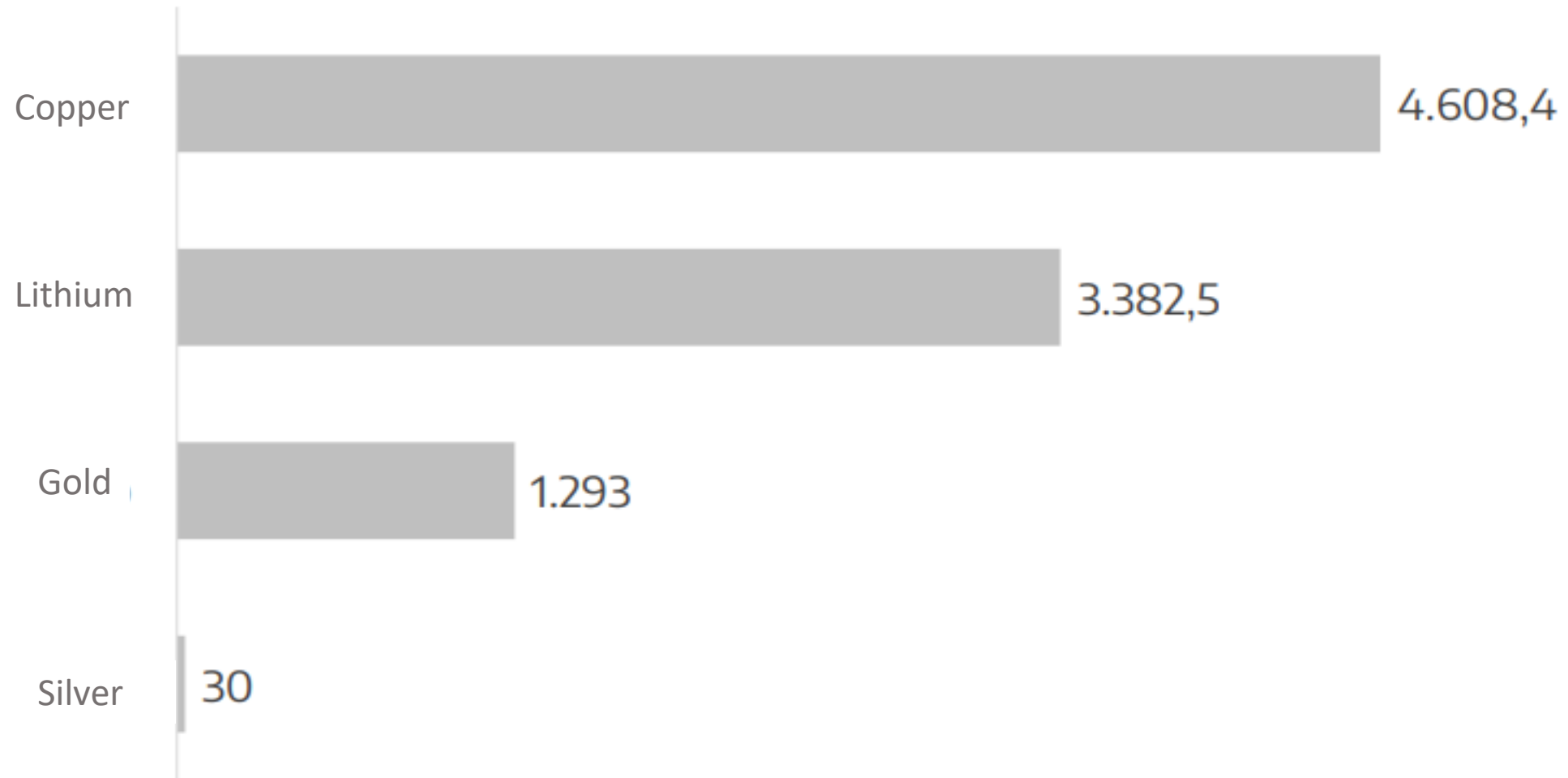
Mining in Argentina

Investment announcements in the last two years - 2020/2021

US\$9,314.36
MILLION

Investment ad ranking

By main commodity - in millions of dollars



Ministerio de
Desarrollo Productivo
Argentina

Secretaría de Minería

Subsecretaría de Desarrollo Minero

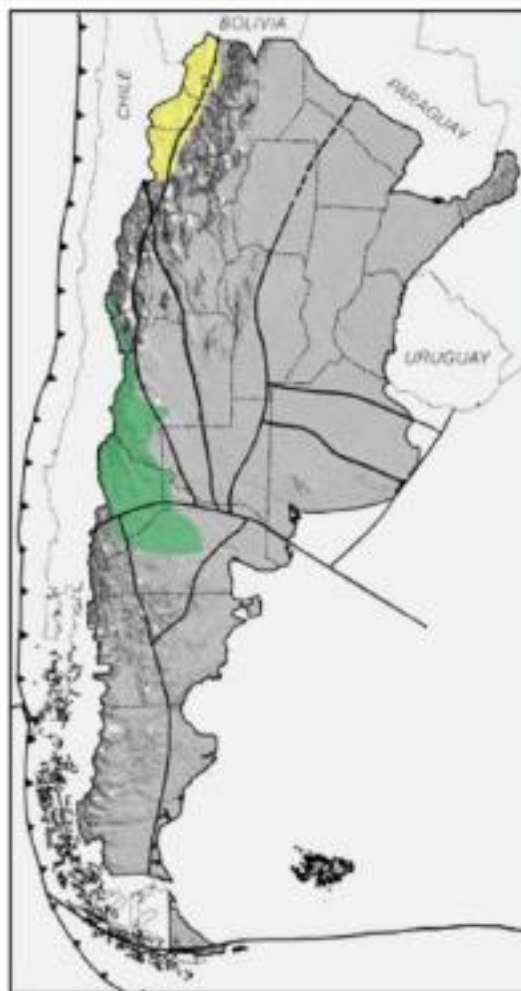
ARGENTINE REPUBLIC - LITHIUM

- **Third world lithium reserve and fourth position in the production of this mineral.**
- The triangle that goes from the north of Argentina, plus part of Chile and Bolivia, means **85% of world reserves** (Brine).



Context. Geological Potential



Lithium



IDENTIFIED RESOURCES

100.3 M Tons

23 projects
The 10 of largest scale
account for 83% of the
identified resources

 Cenozoic basins
 Mesozoic basins

GEOLOGICAL POTENTIAL

188 M Tons

PROJECTS

Cauchari-Olaroz
Salar de Centenario-Ratones
Sal de los Ángeles
Sal de Vida
Salar del Rincón
Pastos Grandes
Tres Quebradas
Sal de Oro
Salar del Rincón (PM)
Kachi
Pozuelos
Cauchari
Mariana
Salar del Hombre Muerto Norte
Salar del Hombre Muerto Oeste

Additional Productive Potential *

LCE
328,500
t/y

+15 Projects

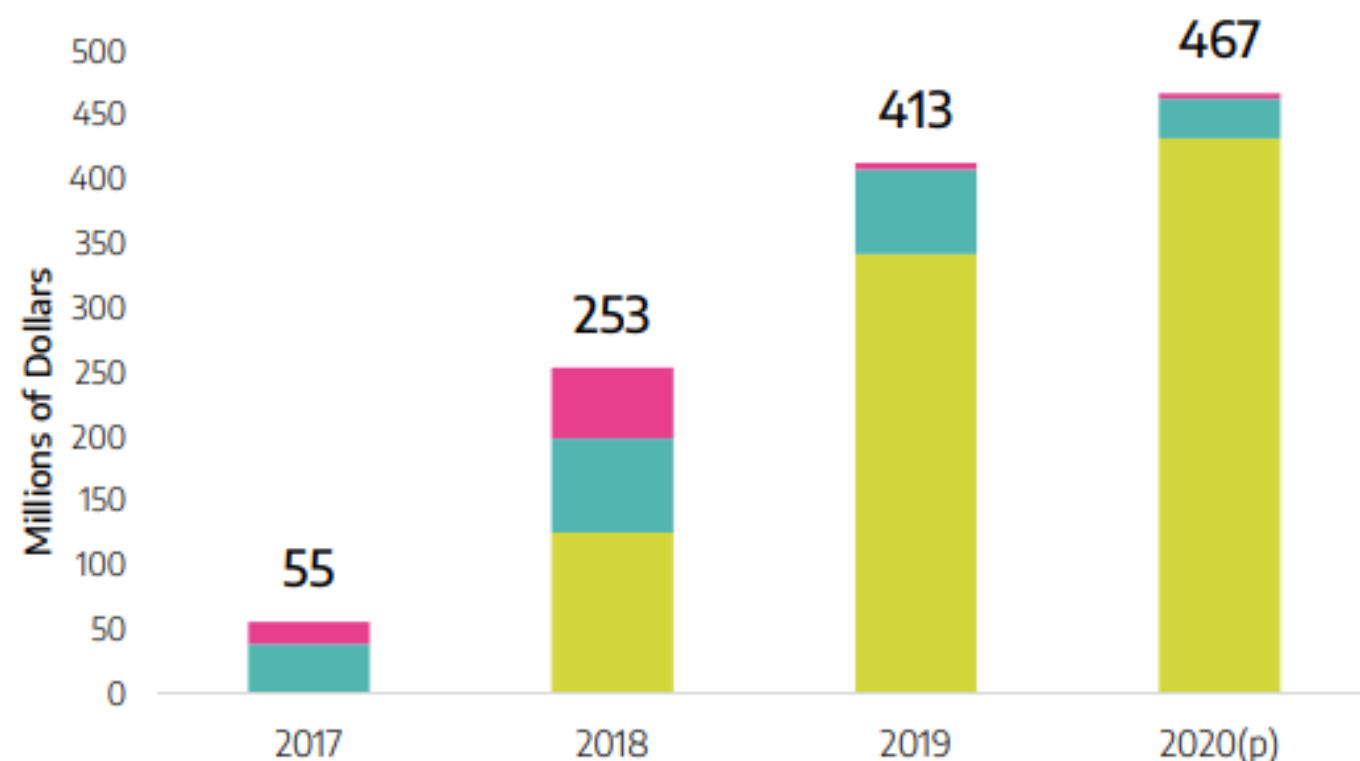


Ministerio de
Desarrollo Productivo
Argentina

Secretaría de Minería

Current situation and growth of Investments in the Lithium sector

Accumulated investments 2017-2020: US \$ 1,188 millions



Source: S&P and public reports of the operators

Construction / Extension

The extensions and constructions mean important purchases of local goods and services.

Exploration

Argentina was the 1st global destination in exploration budgets for the last 2 years.

Sustaining

Investments in support increase as operations mature.

Future projection of Argentina's global lithium position

Current capacity

37,500 t/y

**Current increase
85,000 t/Y**

Additional capacity *

288,500 t/y

**Total potential capacity
411,000 t/y**



Assets of the **XXI Century Argentinian Mining Industry**

Demand projections estimate that by **2030**, almost **80% of lithium demand** will be destined for the **electromobility industry**.

Lithium mining contributes to **technological development**, the **development of electromobility** and **energy transition**.

The political decision of the national and provincial governments is to take advantage of this opportunity offered by the international scene in order to **encourage investments, increase production, develop communities** and **generate employment opportunities strengthening the mining value chain**.

ARGENTINE REPUBLIC

A COUNTRY TO INVEST

WHAT WE HAVE:

- PROVEN
RESOURCES
- PRODUCTION
READY TO
DISPOSE
- SHORT TIME

WHAT WE ARE MISSING:

- DRAFT
- PLANNING
- INVESTMENT
- PERFORMANCE
- STABILITY





THANK YOU

CARLOS GOLD

CECHA ARGENTINA